

Fluka Catalogue 1980/81

Chemicals and Biochemicals





FLUKA NEWS

Biochemikalien im
grünen Teil

Jedes Produkt mit Chemical
Abstracts Registry Number

Use green section for
Biochemicals

Each product with Chemical
Abstracts Registry Number

Fluka Katalog 12 1980/81



Biochemikalien, Reagenzien

Fluka AG
Chemische Fabrik
CH-9470 Buchs
Schweiz



Telefon 085 602 75
Telex 74282 und 74782
Telegramme fluka 9470 buchs

Inhalt Content

FLUKA Reinheitsgrade	6
Analyse	7
Lieferbedingungen	8
Biochemicals	17
Alphabetisches Lieferprogramm	49
Formelregister	729
Anhang	809
Abkürzungen und Symbole	830
FLUKA Purity Degrees	6
Analysis	7
Conditions of Sales and Delivery	8
Biochemicals	17
Sales Programme Alfabetical Listing	49
Formula Register	729
Appendix	809
Abbreviations and Symbols	830

FLUKA Reinheitsgrade

Die folgenden Spezifikationen definieren den Reinheitsgrad quantitativ. Für jede Charge werden sie in unseren analytischen Laboratorien nach modernsten Methoden überwacht (siehe Seite 7).

FLUKA Purity Degrees

The following specifications express the properties of the purity degree quantitatively. Each batch is controlled by modern methods in our analytical laboratories (see page 7).

	Aspekt	Geruch	Mechanische Verunreinigungen	Schmelzpunkt, Brechung, Dichte	Glührückstand
	Appearance	Odour	Mechanical impurities	Melting Point, Refractive Index, Density	Residue after ignition
puriss. >99%	gemäß Literatur, keine Fremdfarbe, bei Flüssigkeiten <10 Hazen	kein Fremdgeruch	keine	gemäß Literatur	<0.1%
	according to literature, no foreign colour, liquids <10 Hazen	no foreign odour	none	according to the literature	<0.1%
purum >97%	gemäß Literatur, leichte Fremdfarbe möglich	leichter Fremdgeruch möglich	eventuell Spuren	geringe Abweichung von der Literatur möglich	
	according to the literature, slight discoloration possible	slight foreign odour possible	traces may be present	may differ slightly from literatur values	<0.5%
pract.	Produkte, deren Aspekt für purum nicht ausreicht, die aber sehr oft einen hohen Gehalt aufweisen. Mindestanforderung sind 95% (ausnahmsweise 90%). Die charakteristischen Spezifikationen werden auch hier gewissenhaft überwacht.			Used for products whose appearance is not sufficient for the purum degree but which often show a high percentage of content. Minimum content required is 95% (exceptionally 90%). The characteristic specifications are duly controlled.	
techn.	Produkte stammen meist aus großtechnischer Produktion und weisen zum Teil Fremdfarbe und/oder Fremdgeruch auf.			Products are of industrial sources and are often coloured or may have a foreign odour.	
Standard FLUKA	Geeignet für den angegebenen Verwendungszweck, in der Hauptsache Mikroskopierfarbstoffe, die mit einem Standard verglichen werden.			Suitable for the purposes mentioned in the catalogue (mainly stains for microscopy) and are compared with a reference standard.	

Analyse

Die FLUKA-Präparate werden nach den für jeden Reinheitsgrad aufgestellten Anforderungen (siehe Seite 6) in unserer analytischen Abteilung geprüft. Über die wichtigsten Prüfungen, Apparate und Hilfsmittel gibt die folgende Zusammenstellung Auskunft.

Analysis

In our analytical laboratory the purity degrees of FLUKA chemicals are tested in order to make sure that they correspond to the specifications laid down on page 6. The following list explains some of the more important tests and apparatus.

Gehalt Content	a) Bestimmung des Moleküls als Ganzes: GC, HPLC, UV, NMR. b) Bestimmung einer funktionellen Gruppe: Titration, T. c) Bestimmung im Molekül enthaltener Elemente: Elementaranalyse, AAS und PG usw.	a) Determination of molecular composition: GC, HPLC, UV, NMR. b) Determination of a functional group: Titration, T. c) Determination of elements in the molecule: Elemental Analysis, AAS and PG.
T	Wäßrige (T)-, nichtwäßrige (NT)-, Redox (RT)- und photometrische (PT)-Titration.	Aqueous (T)-, Non-aqueous (NT)-, Redox (RT)- and Photometric (PT)-Titration.
Elementaranalyse Elemental Analysis	a) C,H,N automatische Verbrennungsanalyse. b) Bestimmung von Halogenen, Schwefel und Phosphor.	a) C,H,N-automatic elemental analysis. b) Determination of Halogens, Sulfur and Phosphorus.
GC	Gaschromatographische Bestimmung der Flächenprozentage, teilweise der Gewichtsprozentage.	Composition by peak area percentage, some-times as weight percentage.
CHR	Dünnschichtchromatographisch geprüft (<0.5% nachweisbare Verunreinigungen).	Analysis by Thin-Layer chromatography (<0.5% detectable impurities).
AAS	Atomabsorption zur Gehaltsbestimmung und zur Spurenanalyse.	Atomic absorption for the determination of total composition and trace analysis.
PG	Polarographie zur Gehaltsbestimmung und zur Spurenanalyse.	Polarography for assay determination and trace analysis.
IR	4000-200 cm ⁻¹ bzw. 2.5-50 µm. Überprüfung der Reinheit.	4000-200 cm ⁻¹ or 2.5-50 µm. Identity control and purity.
NMR	60 MHz Protonenresonanzspektroskopie; Überprüfung der Identität und Bestimmung des Gehaltes (z.B. Deuterierungsgrad).	60 MHz Proton Resonance Spectroscopy; Identity control and determination of content (percentage of deuteration).
UV	Bestimmung der Absorptionsmaxima sowie der entsprechenden Extinktionen, Angaben von λ _{max} und log ε oder E ₁ ^{1%} _{cm} .	Determination of absorption maximum and the corresponding extinctions specified as λ _{max} , log ε E ₁ ^{1%} _{cm} .
F, M.P.	Schmelzpunktbestimmung mit den Geräten FP51 (Mettler) oder nach Dr. M. Tottoli.	Melting point determination with FP51 (Mettler) or according to Dr. M. Tottoli.
Kp, B.P.	Kochpunktbestimmung mit Fus-O-Mat. Bestimmung des Siedeintervalls nach den entsprechenden Spezialmethoden: A.S.T.M., ACS, Ph. Helv. usw.	Boiling point determination with Fus-O-Mat. Determination of the boiling range according to the special methods of A.S.T.M., ACS, Ph. Helv. etc.
d ₄ ²⁰	Bestimmung der Dichte bei 20° bezogen auf Dichte von Wasser bei 4°.	Determination of density at 20° based on density of water at 4°.
n _D ²⁰	Bestimmung des Brechungsindex bei 20° mit dem Abbé-Refraktometer.	Determination of refractive index at 20° with the Abbé-refractometer.
[α] _D ²⁰ [α] ₅₄₆ ²⁰	Optische Drehung gemessen bei 20° im thermostatisierten Rohr.	The optical rotation at 20° measured in the thermostatically controlled tube.

Verkaufs- und Lieferbedingungen

1 Gültigkeit

Die Verkaufs- und Lieferbedingungen gelten für diesen Katalog sowie für alle Sonderpreislisten und Angebote.

2 Preise

Die Preise sind unverbindlich und verstehen sich in Schweizer Franken. Inbegriffen sind Innenverpackung (Flaschen, Ampullen, Kanister usw.) und Versandkartons. Kisten, Trommeln, Mantelflaschen, rostfreie Fässer und andere Spezialpackmaterialien werden in Rechnung gestellt.

Bei Lieferungen an Schweizer Kunden wird die Warenumsatzsteuer (WUST) zusätzlich berechnet.

3 Packungsgrößen

Im allgemeinen liefern wir nur die in diesem Katalog aufgeführten Packungsgrößen.

- Großpackungen werden geliefert, sofern mindestens die zehnfache größere Katalogmenge in einer Packung gewünscht wird. In der Regel gewähren wir in solchen Fällen einen Großmengenrabatt.

Ausnahme: Beträgt der Preis der größeren Katalogpackung Fr. 100.- oder mehr, liefern wir Großpackungen bereits ab der fünffachen Menge.

- Ab 25 lt/kg liefern wir Großpackungen unabhängig des Warenwertes.
- Spezialpackungen können für mindestens 24 Einheiten eines Produktes offeriert werden.
- Bei Multipackungen (6 x 1 lt oder 6 x 2.5 lt bzw. ein Mehrfaches davon) gestatten wir uns, die Packungsanzahl auf- oder abzurunden.

Ausnahme: Bestellungen für Groß- oder Spezialpackungen von Produkten, die aufgrund ihrer chemischen Eigenschaften Transportrestriktionen, Lager- oder Verpackungsvorschriften unterliegen, werden ohne Voranzeige auf Katalogeinheiten abgeändert.

Um eine möglichst große Standardisierung der Flaschengrößen zu erreichen, verwenden wir für 50 ml und 250 ml die nächst größeren Flaschen, das heißt die 100- bzw. die 500-ml-Flasche. Beide Flaschentypen haben auf der Seite eine entsprechende Strichmarke.

4 Mengenrabatte

Für mindestens sechs gleiche Packungen eines Produktes gewähren wir 5%, für mindestens 24 gleiche Packungen 10% Rabatt.

5 Mindestauftragshöhe Schweiz und Kleinauftragshöhe Ausland

- Mindestauftragshöhe für die Schweiz beträgt SFr. 20.-.
- Auslandsaufträge unter SFr. 250.- werden in der Regel über die zuständige Vertretung oder über Wiederverkäufer abgewickelt. Besteht diese Möglichkeit nicht oder handelt es sich um dringende Expresbestellungen, so führen wir solche Kleinaufträge direkt aus, unter Erhebung einer Bearbeitungsgebühr von SFr. 10.-.

In Ländern mit Exklusivvertretungen gelten zusätzliche oder geänderte Bestimmungen.

6 Frachtberechnung

a) Inland

Sendungen ab SFr. 250.- liefern wir per Post franko Bestimmungsort. Ist der Postversand nicht gestattet, erfolgt die Lieferung per Frachtgut franko Bahnstation. Bei Postexpres- oder Bahnexpresversand verrechnen wir die Mehrspesen. Für Sendungen oder Teilsendungen unter SFr. 250.- werden die Transportkosten dem Käufer ab Buchs SG belastet.

b) Ausland

Bahn- und Seefrachtsendungen ab SFr. 1000.- liefern wir per Frachtgut franko Schweizer Grenze, Luftfrachtsendungen franko Flughafen Zürich-Kloten. Mehrkosten für Expresendungen werden in Rechnung gestellt.

Für Sendungen oder Teilsendungen unter SFr. 1000.- werden die Transportspesen dem Käufer ab Buchs SG belastet.

Die Portospesen für Postsendungen werden unabhängig vom Warenwert verrechnet. Bahnexpresendungen nach ausländischen Bestimmungsorten erfolgen franko, unverzollt, unter Verrechnung der effektiven Kosten.

Transportwünsche für spezielle Frachtagenten für den Land-, See- oder Luftweg sind in jeder Bestellung ausdrücklich zu erwähnen. Bestellungen ohne solche Vermerke werden von uns auf dem günstigsten Weg zum Versand gebracht.

7 Versand

Soweit dies im Rahmen der Vorschriften für die Benützung der öffentlichen Transportmittel möglich ist, halten wir uns grundsätzlich an die von unseren Kunden gewünschte Versandart.

8 Transportversicherung

Ohne anderslautende Instruktionen des Käufers versichern wir alle Sendungen für das In- und Ausland gegen Berechnung der entsprechenden Prämie zu Selbstkosten. Ausgenommen sind Länder, nach denen keine Transportversicherung abgeschlossen werden kann. In diesem Fall erfolgt der Versand auf die Gefahr des Kunden. Größere Schäden müssen in jedem Fall von einem offiziellen Havariekommissar aufgenommen werden; für kleinere Schäden genügt eine amtliche Bestätigung der Transportanstalt.

Bei Sendungen in außereuropäische Länder hat der Kunde die Haftung aus dem Transport der Produkte für jedwelchen Schaden an Personen und Sachen zu übernehmen.

Die **Mindestprämien** für Transportrisiken betragen für Lieferungen bis SFr. 1000.-:

SFr. 1.- für die Schweiz

SFr. 4.- für Europa

SFr. 6.- für alle übrigen Länder

Für gefährliche Güter können diese Mindestprämien höher liegen. **Für Transportschäden bei Lieferungen, welche nicht durch FLUKA versichert wurden, lehnen wir jede Haftung ab.**

9 Beförderung gefährlicher Güter

Produkte, die gefährliche Eigenschaften aufweisen, sind zum Versand per Post nicht zugelassen. Sie sind je nach Speditionsart in die entsprechende Klasse eines der nachfolgend aufgeführten Transportreglemente eingeteilt.

Bahnfracht RID/RSD

(Règlement suisse et international concernant le transport des marchandises dangereuses par chemin de fer)

Seefracht IMDG-Code

(International maritime dangerous goods code)

Lastkraftwagenverkehr ADR/SDR

(Europäisches und schweizerisches Übereinkommen über die Beförderung gefährlicher Güter auf der Straße)

Luftfracht IATA-RAR

(International air transport association restricted article regulations)

Im Katalog stehen die entsprechenden Gefahrenklassen links außen, unterhalb der Produktebezeichnung. Die Ziffern nach dem Schrägstrich weisen auf die Untergruppe hin. Ein eventueller Flammpunkt steht rechts daneben.

	Camion/Bahnfracht ADR/SDR RID/RSD	Seefracht IMDG	Luftfracht IATA-RAR
Explosive Stoffe	1a	1	not acceptable
Verdichtete, verflüssigte oder unter Druck gelöste Gase	2	2	Fla.G or Nonfla.G (Flammable or Nonflammable Gas)
Entzündbare flüssige Stoffe	3	3	Fla.L (Flammable liquid)
Entzündbare feste Stoffe	4.1	4.1	Fla.S (Flammable solid)
Selbstentzündliche Stoffe	4.2	4.2	not acceptable
Stoffe, die mit Wasser entzündliche Gase entwickeln	4.3	4.3	Fla.S (Flammable solid)
Entzündend (oxydierend) wirkende Stoffe	5.1	5.1	Oxy.M (Oxidizing material)
Organische Peroxide	5.2	5.2	not acceptable
Giftige Stoffe	6.1	6.1	Pois. (Poison)
Ätzende Stoffe	8	8	Cor.M (Corrosive material)
Diverse Stoffe		9	ORA (other restricted articles)

Bei gefährlichen Produkten behalten wir uns in jedem Fall vor, Verpackung und Transport entsprechend der Klassierung in einem der oben angeführten Transportreglemente auszuführen.

10 Carcinogene

Im vorliegenden FLUKA Katalog 12 werden die Carcinogene entsprechend der vom International Labour Office (ILO) Geneva in 'Occupational Safety and Health' Series 39 publizierten Liste gekennzeichnet. Im weiteren sind die Hinweise der Schweizerischen Unfallversicherungsanstalt 'Zulässige Werte am Arbeitsplatz' 1903 d, Ausgabe 1978-11, 78-6800, Anhang 1.3, sowie die Publikation der International Agency for Research of Cancer (IARC) in Cancer Research 38, 877-885, April 1978, berücksichtigt.

Die Carcinogene werden je nach Empfehlung der angeführten Literaturstellen bezeichnet mit 'Human carcinogen' oder mit 'Inhalation und Hautkontakt vermeiden'.

11 Rücknahme von Verpackungsmaterialien

Ausland: Verpackungsmaterialien werden nicht zurückgenommen.

Inland: Für separat berechnete Verpackungsmaterialien, die uns in einwandfreiem Zustand franko Buchs SG zurückgesandt werden, vergüten wir 70% des fakturierten Betrages. Andere Emballagen werden nicht zurückgenommen.

12 Rücknahme von Stahlzylindern

Es werden nur Stahlzylinder zurückgenommen, für welche im Katalog ein separater Gaspreis aufgeführt ist. Die Vergütung erfolgt mittels Gutschrift wie folgt:

bei Retournierung innerhalb von einem halben Jahr 80% des Zylinderpreises,

bei Retournierung innerhalb von einem Jahr 60% des Zylinderpreises,

bei Retournierung innerhalb von zwei Jahren 20% des Zylinderpreises.

Ältere Zylinder werden nicht zurückgenommen. Fremdzylinder müssen wir zurückweisen. Die Rücksendung hat franko Buchs SG und im völlig entleerten Zustand zu erfolgen. Bei Nichtbeachtung dieser Vorschrift müssen wir von einer Vergütung absehen.

13 Auftragsbestätigungen

Alle Aufträge, die nicht ab Lager ausgeführt werden können, bestätigen wir schriftlich unter Angabe des voraussichtlichen, aber unverbindlichen Liefertermines. Schadenersatzansprüche wegen verzögerter oder nicht ausführbarer Lieferung können wir deshalb nicht akzeptieren.

Wird durch Ereignisse höherer Gewalt, durch Rohstoffmangel oder Betriebsstörungen aller Art die Herstellung, Beschaffung oder Lieferung verzögert oder verunmöglicht, behalten wir uns vor, von einer Lieferung ganz oder teilweise abzusehen.

14 Qualitätsbeanstandungen

Jede unserer Packungen trägt rechts oben auf der Etikette eine Kontrollnummer, die uns jederzeit erlaubt, die Charge des gelieferten Produktes festzustellen. Diese Regelung ermöglicht uns, Qualitätsbeanstandungen rascher zu erledigen. Allfällige Reklamationen haben **schriftlich** zu erfolgen; dabei ist der Name des Produktes, der Reinheitsgrad und die **Kontrollnummer** anzugeben. Berechtigte Reklamationen werden jederzeit anerkannt. Die Erledigung erfolgt durch Gratisersatzlieferung oder, sofern uns dies aus irgendeinem Grund nicht möglich ist, mittels Gutschrift für die beanstandete Menge. Qualitätsbeanstandungen unstabiler Produkte, welche sich infolge zu langer Lagerung zersetzt haben, können nicht anerkannt werden. Wir lehnen jede Haftung für Schäden ab, die durch unsachgemäße Behandlung oder Lagerung entstehen. Ohne unsere vorherige Zustimmung nehmen wir keine Rücksendungen zur Gutschrift entgegen.

Die Angabe auf der Bestellung 'wie gehabt' ist für uns nicht verbindlich.

15 Haftung

Unsere Produkte sind nur für Labor- und Fabrikationsgebrauch bestimmt. Wir haften nicht für Schäden, die durch unsachgemäße Handhabung oder Lagerung an Personen und Sachen entstehen. Kunden, die unsere Produkte beziehen, müssen gemäß den gesetzlichen Vorschriften des Bestimmungslandes zur Handhabung dieser Produkte legitimiert sein. Sie sind deshalb gehalten, die am Verwendungsort gültigen Vorschriften zur Handhabung, Lagerung und zum Transport einzuhalten.

Wir lehnen jeden Haftungsrückgriff für Schäden ab, welche unsere Kunden durch Nichtbeachtung nationaler Schutzgesetze (Schweizerisches Giftgesetz, ausländische Gesetze über gefährliche und toxische Substanzen) verursacht haben.

Unsere Produkte dürfen weder für medizinische Zwecke noch im Haushalt oder als Lebens- und Genußmittel Verwendung finden.

Privatpersonen können leider nicht beliefert werden.

16 Beseitigung von Chemikalien

Wir empfehlen die Angaben in folgendem Handbuch zu konsultieren:

Manufacturing Chemists Association, Guide for Safety in the Chemical Laboratory, 325-498; Van Nostrand Reinhold Company (1972), New York.

17 Zahlungen

Unsere Rechnungen sind sofort nach Erhalt der Ware zu bezahlen. Spezielle Vereinbarungen bleiben vorbehalten. Skontoabzüge werden nicht anerkannt. Ohne Gutschrift dürfen keine Kürzungen unserer Rechnungen vorgenommen werden. Wenn bei Bestellungen unter SFr. 500.- Zahlungen gegen Sichttratte gewünscht wird, erlauben wir uns, zusätzlich SFr. 50.- für Bankspesen zu belasten.

Auf Zahlungsrückstände werden 3% Verzugszinsen pro Quartal berechnet.

Alle von uns gelieferten Waren bleiben bis zu ihrer vollständigen Bezahlung unser Eigentum.

18 Rechtsgültigkeit

Durch jede Auftragserteilung anerkennt der Käufer alle Punkte dieser Verkaufs- und Lieferbedingungen.

Erfüllungsort ist Buchs SG. Gerichtsstand für rechtliche Auseinandersetzungen ist Buchs SG.

Conditions of Sale and Delivery

1 Validity

The conditions of sale and delivery apply to this catalogue, as well as to all special price lists and offers.

2 Prices

The prices are subject to alterations and are quoted in Swiss francs. They include the cost of inner container packaging (bottles, ampoules, canisters, etc.) and of outer cardboard packaging. Crates, drums, jacketed carboys, stainless steel drums and other special packaging materials are charged at cost price. Orders to customers in Switzerland are subject to additional purchase tax.

3 Packaging units

In general, we only supply packs in the sizes specified in this catalogue.

- Larger packs can be supplied when at least ten times the catalogue size is required in one pack. In such cases we usually grant a bulk discount.

N.B. If the price of the largest pack size in this catalogue amounts to sfr. 100.- or more, we can already supply a bulk-pack of five times this quantity.

- From 25 lt/kg, we supply bulk-packs irrespective of the value of the goods.

- Special packs can be supplied if at least 24 units of a product are ordered.

- Where products are listed in multi-packs of 6 x 1 lt or 6 x 2.5 lt or a multiple of these we take the liberty of rounding off orders.

N.B. Products which are ordered in bulk or special packs, and which, because of their chemical properties, are subject to transport, storage or packaging restrictions, will, without further notice, be supplied in units as per catalogue.

For reasons of standardisation we use 100 ml and 500 ml bottles also for contents of 50 ml and 250 ml respectively. These bottles are marked accordingly.

4 Quantity discount

We grant 5% on orders for at least six identical packs of the same product and 10% for at least 24 identical packs.

5 Small export orders

Export orders to a total value of less than sfr. 250.- are normally handled by our local agent. Should this service not be available, or if express delivery is required we execute such small orders direct and invoice a handling charge of an extra sfr. 10.-.

In countries where we have exclusive representation additional or modified conditions apply.

6 Calculation of freight

Rail and sea freight consignments of sfr. 1000.- and over are dispatched by rail freight free Swiss border, air freight consignments free Zurich-Kloten airport. Extra costs for express shipments will be charged.

Transport costs for whole or part shipments to a value of less than sfr. 1000.- are fully invoiced. The postage charges are debited regardless of the value of the goods. Express rail shipments to stations abroad are dispatched free, duty unpaid and the actual costs are invoiced separately. If the customer wishes to have the consignment sent through special forwarding agents, this should be clearly stated on every order. Orders not containing such instructions are dispatched by the cheapest possible way.

7 Dispatch instructions

We try to dispatch consignments in accordance with the customer's wishes as long as these are applicable within the regulations of public transport facilities.

8 Transport insurance

Unless a customer gives us contrary instructions we insure all consignments regardless of destination and charge the customer with the premium at cost. Countries for which no transport insurance is possible are exempt from this ruling. Major damage during transport must be reported by official average agents. For lesser damage official confirmation from the transport agency is sufficient.

In the case of consignments to non-European countries, the customer is liable for damages arising to persons or property during the transport of the products.

The **minimum** premiums to insure consignments up to sfr. 1000.- are:

sfr. 1.- for Switzerland,

sfr. 4.- for Europe,

sfr. 6.- for all other countries.

These premiums may be higher for dangerous goods.

For damages to consignments not insured by FLUKA we decline any responsibility.

9 Transport of hazardous goods

Products which have dangerous properties are excluded from postal dispatch. They are classified according to the following modes of transport:

Lorry transport ADR/SDR	(European and Swiss agreement on the transport of dangerous goods by road)		
Rail freight RID/RSD	(Règlement suisse et international concernant le transport des marchandises par chemin de fer)		
Sea freight IMDG-Code	(International maritime dangerous goods code)		
Air freight IATA-RAR	(International air transport association - restricted article regulations)		

	Lorry/Rail freight ADR/SDR RID/RSD	Sea freight IMDG	Air freight IATA-RAR
Explosives	1a	1	not acceptable
Gases compressed, liquefied or dissolved under pressure	2	2	Fla.G or Nonfla.G (Flammable or Nonflammable Gas)
Inflammable liquids	3	3	Fla.L (Flammable Liquids)
Inflammable solids	4.1	4.1	Fla.S (Flammable Solid)
Self-igniting materials	4.2	4.2	not acceptable
Products which produce inflammable gases when in contact with water	4.3	4.3	Fla.S (Flammable Solid)
Materials of inflammable (oxidising) nature	5.1	5.1	Oxy.M (Oxidising Material)
Organic peroxides	5.2	5.2	not acceptable
Poisonous products	6.1	6.1	Pois. (Poison)
Corrosives	8	8	Corr. M (Corrosive material)
Other materials		9	ORA (other restricted articles)

In all cases we retain the right to pack and despatch dangerous products according to the above classification.

In the catalogue, the classification of dangerous goods is indicated on the left just beyond the products name. The second figures refer to the corresponding sub-group. Flash-points are given nearby at the right.

10 Carcinogenics

Carcinogenics are marked in this catalogue according the listing published by the International Labour Office (ILO) in "Occupational Safety and Health" Series 39. In addition we follow the recommendations of the Schweizerische Unfallverhütungsanstalt: "Zulässige Werte am Arbeitsplatz" 1903 of the edition 1978-11 78-68000 Appendix 1.3. Publication of the International Agency for Research of Cancer (IARC) in Cancer Research 38, 877-885, April 1978.

The carcinogenics are marked according to the mentioned publications either with "human carcinogenic" or "Inhalation and skin contact should be avoided".

11 Return of Packaging Material

Abroad: Packaging material is non-returnable.

Inland: For separately invoiced packaging material which is returned to us in good condition free Buchs SG we credit the customer with 70% of the invoiced price. Other packaging is non-returnable.

12 Return of Steel Cylinders

Cylinders are only returnable where a separate gas price is specified in the catalogue. We issue a credit-note at the following rates:

cylinders returned within six months 80% of the cylinder price,

cylinders returned within one year 60% of the cylinder price,

cylinders returned within two years 20% of the cylinder price.

Cylinders bought prior to a period of two years are non returnable. Cylinders of non-FLUKA origine are not accepted. Cylinders should be returned completely empty, free Buchs SG. We reserve the right to decline crediting returned cylinders if these instructions are not adhered to.

13 Confirmation of orders

We confirm all orders which cannot be supplied from stock in writing, stating the anticipated delivery which may be subject to alteration. We cannot accept claims for compensation due to delay or non delivery. We retain the right to withdraw from delivery should production, procurement or delivery be made impossible through circumstances beyond our control, such as shortage of raw materials or production breakdowns.

14 Complaints concerning quality

Each pack is marked with a control number in the top right hand corner of the label. This enables us to ascertain the batch of the product, and to deal with quality complaints more efficiently. Such complaints should be made in writing and the name of the product, its purity grade and the **control number** must be stated. Valid complaints are always accepted. We then replace the quantity free of charge or, if this is not possible for any reason, we issue a credit note for the quantity in question. Quality complaints for unstable products, which have decomposed due to unadequate storage, cannot be accepted. We refuse to accept liability for damage that may have occurred through improper handling or storing. Goods may not be returned against credit without our consent.

We do not consider the request "as previously supplied" on an order as binding.

15 Liability

Our products are destined for laboratory and production use only. We are not liable for damages to persons and property resulting from incorrect handling or storage of our products. Customer purchasing our products must be legitimately capable of and entitled to the correct handling of these products according to the regulations in force in the country of destination. They are therefore requested to strictly adhere to the regulations governing handling, storage and transport in their own country.

We therefore decline any liability for damages arising to customers as a direct result of disregarding national safety regulations (Swiss poisons act, laws pertaining to dangerous and toxic substances in other countries).

Our products are not intended for medicinal or household use, nor as foodstuffs.

Private persons are not delivered.

16 Waste Disposal Procedures

We suggest to refer to the following hand-book:

Manufacturing Chemists Association, Guide for Safety in the Chemical Laboratory, 325-498; Van Nostrand Reinhold Company New York (1972).

17 Payment

Invoices should be paid immediately on receipt of goods. This does not include special arrangements. Deductions of discount are not accepted. There must be no deductions made from invoices unless by means of a credit-note. If payment against sight draft is required for an order of less than sfr. 500.-, additional sfr. 50.- will be charged for bank expenses. Interest at 3% per quarter is charged on outstanding payments. All goods supplied by us remain our property until they are fully paid for.

18 Jurisdiction

The customer should be aware of all points stated in these conditions of sale and delivery when ordering.

The place of settlement is Buchs SG. In the case of any dispute the competent court is Buchs SG.

Conditions de vente et de livraison

1 Validité

Les conditions de vente et de livraison ci-après sont valables pour le présent catalogue, ainsi que pour tous les tarifs spéciaux et toutes les offres soumises.

2 Prix

Les prix en francs suisses du catalogue sont sans engagement et s'entendent avec récipients, ampoules, flacons, etc... ainsi que carton d'emballage. Tout emballage spécial (caisse, tambour, bidon, fût métallique inoxydable), est facturé en sus. Les livraisons aux clients suisses sont majorées de la taxe sur le chiffre d'affaires (ICHA).

3 Conditionnement standard

En règle générale nous ne livrons que les conditionnements standard mentionnés dans le catalogue.

- Un emballage de gros peut-être fourni pour un minimum de dix unités de la plus grande division standard. En général un rabais de quantité est accordé.

Exception: un emballage de gros pour au moins cinq unités de la plus grande division standard est fourni lorsque cette division standard coûte au minimum F.S. 100.-.

- A partir de 25 litres (ou kg) nous fournissons un emballage de gros sans tenir compte de la valeur du produit.
- Des emballages spéciaux ne peuvent être fournis que pour au moins 24 unités identiques.
- En cas de commande de produits de la liste en 'multi-packs' (6 x 1 lt, 6 x 2.5 lt ou bien le multiple) les quantités seront arrondies.

Exception: nous nous réservons le droit de livrer, sans avis préalable, en emballages standard du catalogue, des produits commandés en emballages spéciaux ou de gros au cas où les propriétés chimiques, les restrictions de transports ou les obligations de stockage ou d'emballage seraient incompatibles avec les emballages demandés.

Pour des raisons de standardisation, les flacons de 100 ml et 500 ml sont également utilisés pour un contenu de 50 ml respectivement de 250 ml. Les flacons sont marqués conformément par traits de repère.

4 Remis par quantités

Nous accordons une remise de 5% pour six unités du même conditionnement, et de 10% pour 24.

5 Montant minimum des commandes

- Pour la Suisse: F.S. 20.-.
- Pour l'Etranger: en règle générale F.S. 250.-. Les commandes inférieures à ce montant sont transmises pour exécution au revendeur local ou à notre représentant compétent. En cas d'urgence, et à titre exceptionnel, nous livrons directement, et débitons F.S. 10.- pour frais de manutention.

Dans certains pays à représentation exclusive, des dispositions spéciales sont prévues.

6 Frais d'expédition

a) Suisse

Toute commande à partir de F.S. 250.- est livrée franco de port au domicile du client par colis postal; par contre, les produits dangereux (RID/RSD) sont expédiés par petite vitesse à la gare du destinataire.

Les frais supplémentaires pour distribution par porteur spécial ou par colis exprès sont à la charge du client.

Les expéditions totales ou fractionnées en dessous de F.S. 250.- sont facturées départ Usine BUCHS SG.

b) Etranger

Toute commande à partir de F.S. 1000.- est expédiée par petite vitesse franco frontière, les expéditions par avion sont livrées franco Aéroport de Zurich-Kloten. Les frais supplémentaires pour expédition par exprès sont à la charge du client.

Les expéditions et envois partiels en-dessous de F.S. 1000.- sont facturées départ Usine BUCHS SG.

Par contre, les frais d'expédition par poste sont débités départ BUCHS, quelle que soit la valeur de la marchandise.

Les expéditions par colis exprès à destination de l'étranger sont faites en port payé, non dédouanées, en facturant les frais effectifs au client.

7 Expédition

Nous nous conformons aux instructions de client si celles-ci sont compatibles avec les règlements en vigueur.

8 Assurance transport

Sans instructions spéciales à la réception de la commande, nous assurons toutes nos expéditions pour la Suisse et l'étranger - à l'exception de certains pays où aucune assurance ne peut être contractée - et débitons le client selon notre prix de revient. Les dommages importants doivent, en toute circonstance, être constatés par un expert agréé. En cas de dommage mineur, une attestation officielle des transporteurs est suffisante.

Pour toute expédition dans un pays extra-européen c'est le client qui est responsable des dommages corporels ou matériels pouvant être occasionnés par le transport des produits.

Prime minima pour risque de transport jusqu'à F.S. 1000.-:

F.S. 1.- pour la Suisse,

F.S. 4.- pour l'Europe,

F.S. 6.- pour les autres pays.

Ces primes peuvent être plus élevés pour des produits extrêmement dangereux. Nous déclinons toute responsabilité en cas de dommage survenus en cours de transport, pour les marchandises non assurées par nos soins. Nos marchandises voyagent toujours aux risques et périls du destinataire.

9 Transport des produits dangereux

Certains produits, considérés comme dangereux, ne sont pas acceptés par la Poste Suisse. Ils sont soumis au règlement international selon leur mode de transport:

soit par chemin de fer RID/RSD (règlement suisse et international concernant le transport des marchandises dangereuses par chemin de fer)

soit par voie maritime IMDG-Code (International maritime dangerous goods code)

soit par camion ADR/SDR (règlement suisse et international concernant le transport des marchandises par la route)

Transport par air IATA-RAR (Association du Transport International Aérien - Articles réglementés)

Les paragraphes y relatifs sont indiqués dans le catalogue à gauche, au-dessous du nom du produit. Les chiffres suivantes se réfèrent au sous groupement correspondant. Le point d'inflammation est indiqué à la droite.

	par camion/par fer ADR/SDR RID/RSD	par mer IMDG	par air IATA-RAR
Substances explosives	1a	1	non acceptées
Gaz comprimés, liquéfiés ou dissous sous pression	2	2	gaz inflammables ou non inflammables
Matières liquides inflammables	3	3	Fla.L (liquides inflammables)
Matières solides inflammables	4.1	4.1	Fla.S (solides inflammables)
Matières sujettes à l'inflammation spontanée	4.2	4.2	non acceptées
Matières qui, au contact de l'eau, dégagent des gaz inflammables	4.3	4.3	Fla.S (matière solide inflammable)
Matières comburantes	5.1	5.1	Oxy.M (matières comburantes)
Peroxydes organiques	5.2	5.2	non acceptés
Matières toxiques	6.1	6.1	Pois. Matières toxiques
Matières corrosives	8	8	Cor.L (Liquides corrosifs)
Matières diverses		9	ORA (Autres articles réglementés)

Nous nous réservons le droit d'emballer et d'expédier les produits dangereux selon les prescriptions réglementaires.

10 Carcinogènes

Dans ce catalogue, les carcinogènes sont marqués suivant la liste publié par l'International Labour Office Genève (ILO) dans 'Occupational Safety and Health' series 39. En plus les publications de la Schweizerische Unfallversicherungsanstalt 'Zulässige Werte am Arbeitsplatz', 1903, édition 1978-11. 78-68000 supplément 1.3, et de l'International Agency for Research of Cancer (IARC) dans Cancer Research 38, 877-885, Avril 1978 son respectées.

Les carcinogènes sont marqués selon la recommandations des publications mentionnées avec 'human carcinogen' ou 'Inhalation and contact with skin should be avoided'.

11 Reprise des emballages

Etranger: Aucun emballage n'est repris.

Suisse: Des emballages spéciaux, facturés séparément, qui nous sont retournés en bon état et en port payé, sont repris à 70% de leur valeur. Par contre les emballages courants ne sont pas repris.

12 Reprise de cylindres métalliques

Ils sont seulement repris si le catalogue indique séparément le prix du gaz.

Nous créditons de 80% de la valeur du cylindre en cas de retour dans les six mois date de la commande, de 60% dans les douze mois, et de 20% dans les 24 mois.

- Les cylindres doivent être retournés vides et en parfait état, franco de port BUCHS SG. En cas de non-observation de ces instructions, nous ne pourrions en créditer le client.
- Les cylindres datant d'une commande de plus de 24 mois ne sont pas repris. Des cylindres d'autre origine que FLUKA ne sont pas acceptés.

13 Confirmation de commande

Toutes les commandes qui ne peuvent être exécutées immédiatement sont confirmées avec délai probable, mais sans engagement. Aucune indemnité pour retard ou impossibilité de livraison, ne peut être exigée.

En cas de force majeure, manque de matière première, perturbation dans notre usine, difficultés de fabrication ou de livraison, etc. nous nous réservons le droit d'interrompre les expéditions en tout ou partiellement.

Aucune mention spéciale comme, par exemple 'marchandise impérativement conforme à la précédente' apposée sur une commande ne peut engager notre responsabilité.

14 Réclamations

Chacun de nos emballages porte, en haut et à droite de l'étiquette un numéro de contrôle permettant à tout moment de connaître le lot du produit expédié. Grâce à cette indication nous avons la possibilité de vérifier immédiatement les données de la réclamation. Nous demandons à nos clients de formuler les réclamations par écrit, en donnant le nom du produit avec sa référence, le **numéro de contrôle** ainsi que le **numéro de la facture**. Toute réclamation justifiée donnera lieu au remplacement du produit ou, dans l'impossibilité, au remboursement par note de crédit. Nous déclinons toute responsabilité pour dommage provenant d'une manipulation ou d'un stockage défectueux, ainsi que pour les produits instables. Sans notre accord préalable, nous ne remboursons aucune marchandise retournée.

15 Responsabilité

Nos produits sont exclusivement réservés à des usages scientifiques et industriels. Nous ne sommes pas responsables des dégâts corporels ou matériels qui pourraient survenir à la suite d'utilisations erronées. Les clients qui utilisent nos produits le font sous leur propre responsabilité et en toute connaissance de la législation nationale en vigueur dans leur pays. Nous déclinons toute responsabilité en cas de non observation de tous ces principes. (Législation Suisse sur les substances toxiques, législation étrangère concernant les substances dangereuses et toxiques.)

Nos produits ne sont destinés ni à des fins médicales ou domestiques, ni au secteur alimentaire.

Nous ne pouvons pas accepté des commandes qui nous parviennent de particuliers.

16 Suppression de produits chimiques

Nous vous conseillons de consulter le manuel suivant:

Manufacturing Chemists Association, Guide for Safety in the Chemical Laboratory, 325-498; Van Nostrand Reinhold Company New York (1972).

17 Conditions de paiement

Nos factures sont payables (sauf accord préalable) dès réception de la marchandise, sans escompte.

Nous n'acceptons aucune réduction de nos factures, sauf avec note de crédit. S'il est souhaité de régler une commande inférieure à F.S. 500.- contre traite à vue, une surtaxe de F.S. 50.- pour les frais de banque est applicable.

Pour toute facture non réglée dans le délai prévu nous comptons 3% d'intérêts moratoires par trimestre.

Toute marchandise non payée intégralement reste notre propriété.

18 Juridiction

Toute commande qui nous est confiée implique l'acceptation de nos conditions de vente.

En cas de contestation, le tribunal de BUCHS SG est seul compétent. Le lieu d'exécution est BUCHS SG.

Condiciones de venta y de suministro

1 Validez

Las presentes condiciones de venta y de suministro son vigentes para este catálogo, así como para todas las tarifas de precios separadas y para las ofertas.

2 Precios

Los precios indicados son sin compromiso y se expresan en Francos Suizos. En los precios están comprendidos los envases (frascos, ampollas, latas, etc.) y los embalajes de cartón. Los cajones, bocoyes, bombonas, bidones inoxidables y otros materiales especiales para embalaje se cargan aparte en factura.

3 Tamaños de los envases

Por regla general suministramos solamente los tamaños de envases indicados en el presente catálogo.

- Se suministran envases grandes con la condición de que se pida por lo menos diez veces la msa grande cantidad indicada en el catálogo en un solo envase. Normalmente concedemos en estos casos un descuento por cantidad.

Excepción: Si el importe del envase mayor del catálogo es igual o superior a 100.- Francos Suizos suministramos envases grandes ya a partir de cinco veces la cantidad en cuestión.

- A partir de 25 litros/kilos suministramos envases grandes independientemente del valor de la mercancía.
- Pueden ofrecerse envases especiales para un mínimo de 24 unidades de un producto.

Cuando los productos en lista sean en embalaje multiple, es decir, de 6 x 1 lt o 6 x 2.5 lt o cualquier otro formato envasado conjuntamente, nos reservamos el derecho de redondear los pedidos a conveniencia del embalaje.

Excepción: Los productos que se soliciten a granel (in Bulk) o en envasado especial y que debido a sus características químicas están sujetos a posibles restricciones de transporte, almacenaje o embalaje, se suministrarán - sin más aviso - en los formatos que constan en catálogo.

Por razones de estandarización los envases de 100 ml y de 500 ml se emplearán igualmente para el envasado de 50 ml y de 250 ml respectivamente. Dichas botellas irán debidamente etiquetadas.

4 Descuentos por cantidad

Cuando los pedidos alcancen una cuantía de seis envases iguales de un producto, como mínimo, garantizamos un descuento del 5%; este descuento asciende al 10%, para pedidos de 24 envases iguales, como mínimo.

5 Importe mínimo de los pedidos para el extranjero

Los pedidos extranjeros por un importe inferior a 250.- Francos Suizos se complimentan, por regla general, a través del representante correspondiente o por mediación de un revendedor. En el caso de que no hubiera posibilidad de servirlos en estas condiciones o bien se tratase de pedidos urgentes apremiantes, aceptamos su cumplimentación, aplicando un recargo de 10.- Francos Suizos en calidad de suplemento por preparación.

Para aquellos países en los que existen representantes exclusivos, se aplica condiciones complementarias o modificadas.

6 Facturación del transporte

Los envíos por ferrocarril y vía marítima con un importe superior a 1000.- Francos Suizos, se efectúan por ferrocarril, a pequeña velocidad, franco frontera suiza; los envíos por vía aérea, se consideran franco aeropuerto Zürich-Kloten. El sobrecoste en los envíos urgentes, se carga en factura. Para envíos, totales o parciales, de importe inferior a 1000.- Francos Suizos, se cargan en factura, los gastos de transporte desde Buchs SG.

Los gastos de portes para envíos postales se calculan independientemente del valor de la mercancía. Los envíos urgentes por ferrocarril a estaciones de destinos extranjeras se efectúan a portes pagados, sin incluir el despacho de aduanas, cargándose en factura los gastos reales resultantes.

En el pedido se hará constar expresamente los deseos del cliente, en cuanto a la utilización de determinados agentes transportistas, tanto para el transporte terrestre, como marítimo o aéreo. A falta de estas indicaciones, el envío lo efectuaremos utilizando el medio más ventajoso.

7 Envío

Siempre y cuando quede comprendido dentro del ámbito de las prescripciones para la utilización de los medios de transporte público, nos atenemos fundamentalmente al sistema de envío deseado por nuestros clientes.

8 Seguro de transporte

Salvo instrucciones contrarias del cliente, todos los envíos, para el interior y para el extranjero, se remiten debidamente asegurados, facturándose la correspondiente prima al coste estricto. Queden exceptuados de esta norma aquellos países para los cuales las compañías no aceptan el seguro de transporte. En este caso efectuaremos el despacho por riesgo del cliente. En caso de producirse daños importantes, deben ser certificados por un comisario oficial de averías; para daños de menor cuantía, basta con una certificación oficial de la entidad que haya efectuado el transporte. En los envíos a los países extraeuropeos, el cliente asumirá la responsabilidad derivada del transporte de los productos en lo referente a cualquier daño producido a personas y cosas.

Para suministros cuyo importe ascienda hasta 1000.- Francos Suizos las primas **mínimas** para la contratación de la póliza que cubra los riesgos de transporte son de:

1 Franco Suizo para Suiza,

4 Francos Suizos para Europa,

6 Francos Suizos para todos los demás países.

Estas primas mínimas pueden alcanzar un valor más elevado, tratándose de mercancías peligrosas.

Declinamos toda responsabilidad por los daños que puedan sufrir durante el transporte aquellos envíos cuyo seguro haya sido contratado directamente por el cliente.

9 Transporte de mercancías peligrosas

Los servicios postales no admiten el envío de productos con propiedades peligrosas. Según el tipo de expedición, estos productos deberán incluirse en la clase correspondiente de uno de los reglamentos de transporte citados a continuación:

Transporte por ferrocarril RID/RSD (Règlement suisse et international concernant le transport des marchandises dangereuses par chemin de fer) = Reglamento suizo e internacional referente al transporte por ferrocarril de mercancías peligrosas

Transporte marítimo IMDG-Code (International maritime dangerous goods code) = Código internacional marítimo para mercancías peligrosas

Transporte terrestre en camión ADR/SDR

Convenio europeo y suizo sobre el transporte de mercancías peligrosas en carretera

Transporte aéreo IATA-RAR

(International air transport association restricted article regulations) = Regulación para artículos restringidos, de la asociación internacional para transporte aéreo

Las correspondientes clases de peligro están mencionadas en el catálogo afuera a la izquierda debajo de la denominación del producto. Las cifras después de la raya oblicua señalan al subgrupo. Un eventual punto de inflamación está indicado seguidamente.

	Transporte por ferrocarril/por camión RID/RSD ADR/SDR	Transporte marítima IMDG	Transporto aéreo IATA-RAR
Materias explosivas	1a	1	no se acepta
Gases comprimidos, licuados o disueltos bajo presión	2	2	Fla.G or Nonfla.G Flammable or Non-flammable Gas (gases inflamables o no inflamables)
Materias líquidas inflamables	3	3	Fla.L (Flammable liquid = Líquidos inflamables)
Materias sólidas inflamables	4.1	4.1	Fla.S (Flammable solid = Sólidos inflamables)
Materias autoinflamables	4.2	4.2	not acceptable = no se admiten
Materias que, en contacto con el agua, desprenden gases inflamables	4.3	4.3	Fla.S (Flammable solid = Sólidos inflamables)
Materias de acción inflamante (oxidante)	5.1	5.1	Oxy.M (Oxidizing material = Materias oxidantes)
Peróxidos orgánicos	5.2	5.2	not acceptable = no se aceptan
Materias tóxicas	6.1	6.1	Pois. (Poison) = Veneno
Materias corrosivas	8	8	Cor.M (Corrosive material = Materias corrosivas)
Materias diversas		9	ORA (other restricted articles) = Otros artículos restringidos

Tratándose de productos peligrosos, nos reservamos en cada caso la decisión de ajustar el embalaje y el transporte de acuerdo con la clasificación que le corresponda en uno de los reglamentos de transporte que dejamos detallados.

10 Carcinógenos

En el presente catálogo 12 los carcinógenos están señalados según la lista publicada del «International Labour Office (ILO) Geneva in «Occupational Safety and Health» Series 39». Además han sido consideradas las indicaciones de la «Schweizerischen Unfallversicherungsanstalt» «Zulässige Werte am Arbeitsplatz» 1903 d, edición 1978-11. 78-6800, Apéndice 1.3 y de la publicación de la «International Agency for Research of Cancer (IARC) in Cancer Research 38, 877-885, Abril de 1978.

Los carcinógenos están señalados según recomendación de las literaturas citadas con «Human carcinogen» o con «Inhalation und Hautkontakt vermeiden».

11 Retorno de materiales de embalaje

No se acepta la devolución de materiales de embalaje.

12 Retorno de cilindros de acero

Solamente se acepta la devolución de aquellos cilindros de acero para los cuales figura en catálogo un precio independiente del gas que contienen. La bonificación correspondiente a los cilindros devueltos se efectúa mediante nota de abono, según las condiciones siguientes:

cuando la devolución tiene lugar dentro de un plazo de seis meses = 80% del precio del cilindro,

cuando la devolución tiene lugar dentro de un plazo de uno año = 60% del precio del cilindro,

cuando la devolución tiene lugar dentro de un plazo de dos años = 20% del precio del cilindro.

No se admite la devolución de cilindros con mayor antigüedad. Se acepta solamente la devolución de cilindros de acero FLUKA. El retorno deberá realizarse estando el cilindro completamente vacío y su envío será franco Buchs SG. Ante la no observancia de esta prescripción, nos abstendremos de cualquier bonificación.

13 Confirmaciones de pedido

Todos aquellos pedidos que no pueden cumplimentarse con existencias de almacén, los confirmamos por escrito, haciendo indicación del plazo de entrega previsible, pero que no implica compromiso alguno por nuestra parte; por esta razón, no podemos aceptar reclamaciones por daños y perjuicios derivadas de una demora o incumplimiento del suministro.

Si por causas de fuerza mayor, por escasez de materias primas o por anomalías laborales de cualquier clase se demorase o se hicieran imposibles los aprovisionamientos, la elaboración del producto o el suministro del pedido nos reservamos el derecho de anular la entrega, total o parcialmente.

14 Reclamaciones sobre la calidad

Cada uno de nuestros envases ostenta, en la parte superior derecha de la etiqueta, un número de control, mediante el cual estamos en condiciones de conocer, en cualquier momento, el lote de elaboración a que corresponde el producto suministrado. Mediante esta reglamentación, podemos atender rápidamente las reclamaciones sobre la calidad. Las eventuales reclamaciones deberán presentarse por escrito, haciendo constar el nombre del producto, su grado de pureza y el **número de control**. Las reclamaciones justificadas serán atendidas en cualquier momento, mediante la reposición gratuita del producto afectado en la cantidad que corresponda, o bien, si ello no fuera posible por cualquier causa, mediante nota de abono, por el valor reclamado. Dado el citado control, declinamos la responsabilidad por aquellos perjuicios que se produzcan debidos a una manipulación o almacenamiento incorrectos. Reclamaciones sobre la calidad de los productos inestables que se han descompuesto debido a un almacenamiento demasiado largo, no las podemos atender. No efectuaremos el abono de aquellas devoluciones que se hayan efectuado sin nuestra conformidad previa.

La indicación «como anteriormente» en el pedido no representa ningún compromiso para nosotros.

15 Responsabilidad

Nuestros productos están destinados solamente para su uso en laboratorios o en la fabricación. No asumimos ninguna responsabilidad por daños causados a personas o cosas por manejo o almacenamiento inadecuado. Los clientes que adquieran nuestros productos deberán estar legitimados para manejar los productos en cuestión de acuerdo con las disposiciones legales del país de destino. En virtud de ello están obligados a cumplir las disposiciones relativas a la manipulación, almacenamiento y transporte vigentes en el lugar de utilización.

Declinamos todo recurso de responsabilidad por daños causados por nuestros clientes por incumplimiento de las leyes de protección nacionales. (Ley suiza sobre sustancias tóxicas, leyes extranjeras relativas a sustancias peligrosas y nocivas.)

Nuestros productos no pueden utilizarse para fines medicinales ni para usos domésticos, ni en productos alimenticios o estimulantes.

No se puede suministrar los productos a particulares.

16 Liquidación de productos químicos

Les recomendamos consultar el manual siguiente:

Manufacturing Chemists Association, Guide for Safety in the Chemical Laboratory, 325-498; Van Nostrand Reinhold Company New York (1972).

17 Condiciones de pago

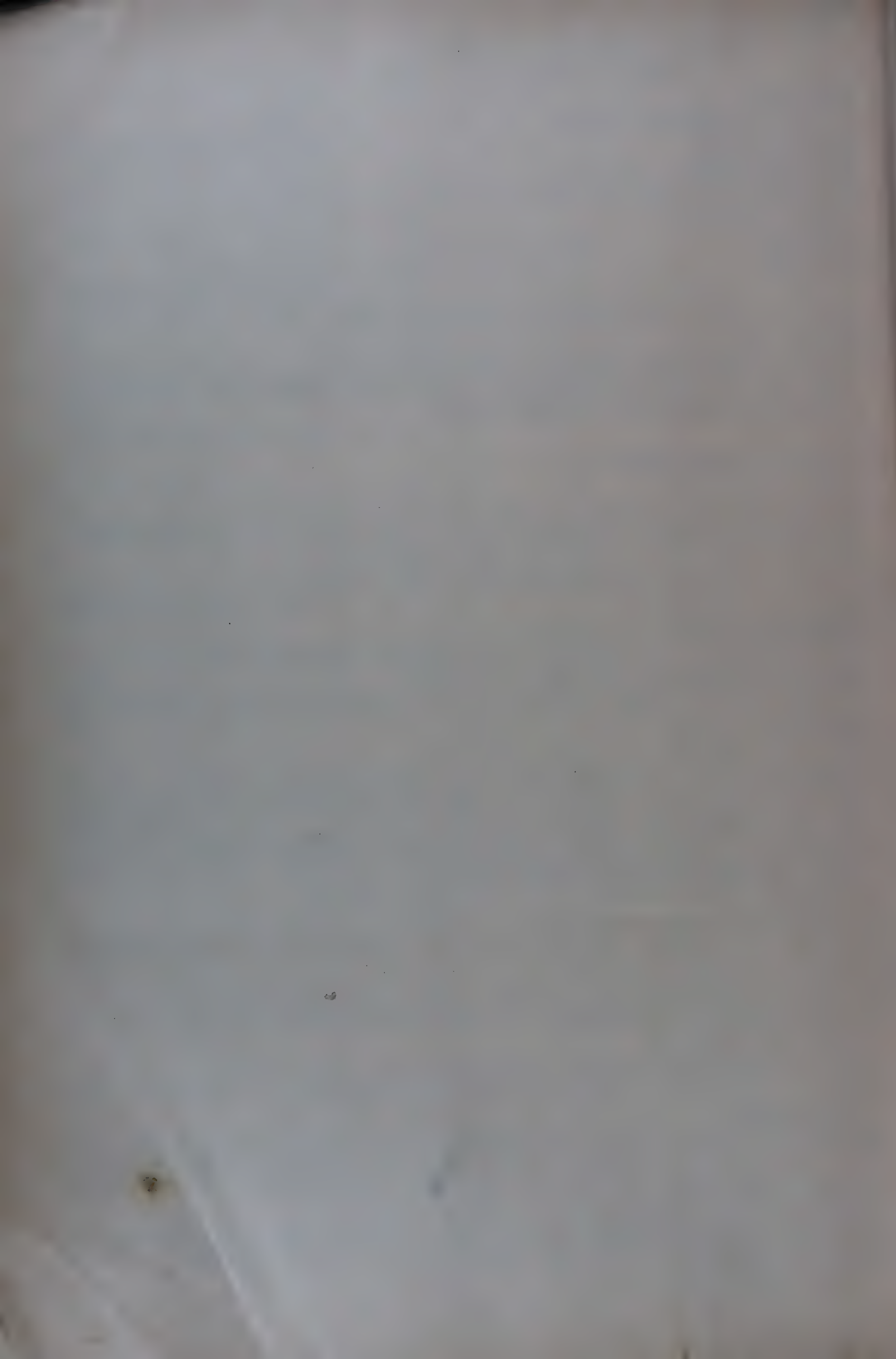
Las facturas deberán ser abonadas de inmediato a la recepción de la mercancía, a menos que se haya acordado otras condiciones de antemano. No se concede descuento alguno, a excepción de posibles notas de abono. Si se solicitan un pago contra letra a la vista en pedidos inferiores a 500.- Francos Suizos, nos permitos cargar en factura 50.- Francos Suizos por gastos bancarios. Las facturas que no se hagan efectivas dentro del plazo establecido llevarán un recargo del 3% de interés por trimestre. Las mercancías que no hayan sido abonadas en su totalidad quedan de nuestra propiedad.

18 Legalidad de las presentes condiciones

El simple hecho de transmitir un pedido, implica el reconocimiento y aceptación por parte del comprador de todos los puntos expuestos en las presentes condiciones de venta y de suministro.

Cualquier discrepancia que requiera la intervención judicial, se someterá a la competencia de los tribunales de Buchs SG.

El lugar de ejecución es Buchs SG.



Professor M. Makosza says in his preface:

“Despite this seeming overflow of reviews there is still need and room for a short yet comprehensive and updated compendium organized in such a way that it can serve as a quick reference book in which a process of interest can be found rapidly. In this respect the booklet prepared by chemists from FLUKA is of great value. I am sure that chemists working in the field of organic synthesis in academic and industrial laboratories as well as those involved in developing industrial processes will find this booklet very useful, convenient and helpful in their everyday work.”

Fluka Catalogue, over 10000 items listed with Synonyma, Formula, Specifications, Prices and Literature.

Special section for Biochemicals.

Brochures

Compendium of Phase-Transfer Reactions and Related Synthetic Methods

Comprehensive Register of Syntheses by Phase-Transfer Catalysis, Ion-Pair Extraction and by Reactions of Quaternary Ammonium Salts in a Homogeneous Phase of Non-aqueous Solvents

Summary of Contents	Preface by Prof. Dr. M. Makosza, Warsaw	XI
	Reactions of Quaternary Ammonium Salts in a Homogeneous Phase of Non-aqueous Solvents by Prof. Dr. G. Simchen, Stuttgart	XV
	Acknowledgements by Dr. W.E. Keller, Buchs	XXV
	Register of Syntheses, listed alphabetically according to type of compound formed	2–143
	25 Literature Reviews	144–145
	691 Literature References	146–165
	Enclosed Table: Solubility of 8 Tetraalkylammonium Salts in 32 different Solvents at 0° or m.p., 20°, 100° or b.p.	

☐ Please send me _____ book(s) “Compendium of Phase Transfer Reactions and Related Synthetic Methods”.

Fluka AG, CH-9470 Buchs, Switzerland: sFr. 18.– per copy

Name	Title
Organization	
Address	
City, State, ZIP	



Bitte senden sie einen weiteren Katalog an folgende Adresse:
Please send a free copy of this catalogue to the following address:

German edition	☐	English edition	☐
Name		Title	
Organization			
Address			
City, State, ZIP			

Place
Stamp
Here

Fluka AG
Chemische Fabrik
CH-9470 Buchs
Switzerland

Place
Stamp
Here

Fluka AG
Chemische Fabrik
CH-9470 Buchs
Switzerland

FLUKA Biochemicals by Categories

Adsorbents

Alkaloids

Amino Acids and Derivatives

Buffer Substances

Carbohydrates and Derivatives

(without nucleosides and nucleotides)

**Catecholamines, Neurotransmitters and Related
Compounds**

Chromatography

Coenzymes, Vitamins and Related Compounds

Detergents FLUKA

Electron Microscopy

Electrophoresis

Enzyme Inhibitors

Enzymes

Enzyme Substrates

Fatty Acids and Methyl Esters

**FLUKA-Stains: Dyes, Indicators, Reagents, Stains in
Solution**

Fluorescent Labels

Hormones

Lipids

Metabolites and Metabolic Intermediates

Natural Dyes

Nucleosides and Nucleotides

Oligonucleotide Synthesis

Peptides and Derivatives

Peptide Synthesis

Porphyrins and Related Compounds

Protein Modification

Proteins (other than Enzymes)

Protein Sequence Analysis

Pteridines

Purines and Pyrimidines

Steroids

Sulfhydryl Reagents

Terpenes

Toxins



Adsorbents

05110	Activated charcoal
06280-	
06400	Aluminum oxide
06443-51	Amberlite®
11365	Avicel® PH 101
21940-3	Carboxymethyl cellulose
22137-42	Celite
22191	Cellulose phosphorylated
22195-8	Cellulose powder
31804-8	Diethylaminoethyl cellulose
44785-6	Ecteola
46383-6	Florisil
15324	Fullers earth.
56678	Hyflo Super Cel
60779	Kieselguhr
69831-56	Molecular Sieve
60735-75	
85330-3	Silicagel
60780	Silicic acid
60781	Silicic anhydride
85665	Standard Super Cel

Alkaloids

01570	Aconitine
01580	Aconitine nitrate
05080	Ajmalicine
05090	Ajmaline ethanol adduct
10230	(-)-Anabasine
10980	Arecoline hydrobromide
11320	Atropine
11330	Atropine sulfate monohydrate
14050	Berberine chloride
14070	Berberine sulfate
14340	Bicuculline
18415	8-Bromotheophylline
18800	Brucine
18810	Brucine sulfate
20850	Cacotheline
27600	Caffeine
21750	Capsaicine
76390	(Capsaicine synthetic)
26435	8-Chlorotheophylline
27350	Cinchonidine
27360	Cinchonidine sulfate
27370	Cinchonine
27645	Colcemid
27650	Colchicine
27660	Colchicoside
27760	(±)-Coniine
27645	Demecolcine
51330	Dihydroharmine
37910	7-(2,3-Dihydroxypropyl) theophylline
37910	Dyphylline
45160	Emetine dihydrochloride
45261	(-)-Ephedrine
82545	(+)- ψ -Ephedrine
45280	(+)-Ephedrine hydrochloride
45430	Ergobasine chloroform adduct
45430	Ergometrine chloroform adduct
45430	Ergonovine chloroform adduct
45490	Ergotamine D-hydrogentartrate
45510	Ergotamine D-tartrate
45520	Ergothioneine dihydrate
45710	Eserine
45720	Eserine salicylate
48730	Gelsemine
85940	Gen-strychnine trihydrate
51330	Harmaline
51340	Harmaline hydrochloride
51360	Harmalol hydrochloride
51330	Harmalol methyl ether
51370	Harmine
51380	Harmine hydrochloride
51400	Harmine
51440	Harmol hydrochloride
53770	Hydrastine
53780	Hydrastinine chloride
84780	Hyoscyne
11320	Hyoscyamine
11330	Hyoscyamine sulfate monohydrate
61580	(±)-Laudanosine
62630	α -Lobeline hydrochloride
90160	Lycopersicin
66893	(-)-N-Methylephedrine
71150	Narcotine hydrochloride monohydrate
72290	(-)-Nicotine
74630	(-)-Nornicotine dipicrate

85940	N-Oxystrychnine trihydrate
76390	Pelargonic acid vanillylamide
45710	Physostigmine
45720	Physostigmine salicylate
80810	Piperine
82520	Protoveratrine A
82530	Protoveratrine B
82545	(+)-Pseudoephedrine
74360	3-(2-Pyrrolidinyl)pyridine dipicrate
05080	Py-tetrahydroserpentine
22600	Quinidine
22620	Quinine anhydrous
22630	Quinine hydrochloride
22640	Quinine sulfate
05080	Raubasine
05090	Rauwolfine ethanol adduct
83570	Rescinamine
83580	Reserpine
84780	Scopolamine
85060	Serpentine hydrogentartrate
85550	Sparteine sulfate
85561	Spermidine
85570	Spermidine phosphate
85580	Spermidine trihydrochloride
85590	Spermine
85600	Spermine phosphate
85610	Spermine tetrahydrochloride
85940	Strychnine-N-oxide
89310	Thymine
90159	Tomatidine
90160	Tomatine
91890	Trigonelline hydrochloride
93550	Tropine
93750	(+)-Tubocurarine chloride pentahydrate
05080	δ -Yohimbine

Amino Acids and Derivatives**Alanine**

05130	L-Alanine
05140	D-Alanine
05150	DL-Alanine
05183	L-Alanine benzyl ester toluene-4-sulfonate
05185	L-Alanine tert-butyl ester dibenzene-sulfimide salt
05190	L-Alanine tert-butyl ester hydrochloride
05170	L-Alanine ethyl ester hydrochloride
05180	DL-Alanine ethyl ester hydrochloride
05200	L-Alanine methyl ester hydrochloride
15380	BOC-L-alanine
15385	BOC-L-alanine hydroxysuccinimide ester
15384	BOC-L-alanine 4-nitrophenyl ester
15851	BPOC-L-alanine dicyclohexylamine salt
30429	Dansyl-L-alanine piperidine salt
74679	NPS-L-alanine DCHA-salt
95850	Z-L-alanine
95871	Z-L-alanine 4-nitrophenyl ester

Arginine

11010	L-Arginine
11015	D-Arginine
11020	DL-Arginine
11030	L-Arginine methyl ester dihydrochloride
11040	L-Arginine monohydrochloride
11050	D-Arginine monohydrochloride
11060	DL-Arginine monohydrochloride
12870	N $_{\alpha}$ -Benzoyl-L-arginine
12890	N $_{\alpha}$ -Benzoyl-L-arginine amide hydrochloride
12880	N $_{\alpha}$ -Benzoyl-L-arginine ethyl ester hydrochloride
12900	N $_{\alpha}$ -Benzoyl-L-arginine methyl ester
12910	N $_{\alpha}$ -Benzoyl-DL-arginine 2-naphthylamide hydrochloride
12920	N $_{\alpha}$ -Benzoyl-DL-arginine 4-nitroanilide
15374	N $_{\alpha}$ -BOC-L-arginine
15470	N $_{\alpha}$ -BOC-N $_{\omega}$ -nitro-L-arginine
15506	N $_{\alpha}$ -BOC-N $_{\omega}$ -tosyl-L-arginine
30425	N $_{\alpha}$ -Dansyl-L-arginine
72750	N $_{\omega}$ -Nitro-L-arginine
72760	N $_{\omega}$ -Nitro-L-arginine methyl ester hydrochloride
90170	N $_{\alpha}$ -Tosyl-L-arginine methyl ester hydrochloride
93440	N $_{\alpha}$ -Trityl-L-arginine
95930	N $_{\alpha}$ -Z-L-arginine
95935	N $_{\alpha}$,N $_{\beta}$,N $_{\omega}$ -tri-Z-L-arginine
96930	N $_{\alpha}$ -Z-N $_{\omega}$ -nitro-L-arginine

Asparagine

11150	L-Asparagine anhydrous
11160	L-Asparagine monohydrate
11170	D-Asparagine monohydrate
11180	DL-Asparagine monohydrate
15381	BOC-L-asparagine
15848	BPOC-L-asparagine
30426	Dansyl-L-asparagine piperidine salt
74681	NPS-L-asparagine DCHA-salt
95940	Z-L-asparagine
95960	Z-L-asparagine 4-nitrophenyl ester

Aspartic acid

11190	L-Aspartic acid
11200	D-Aspartic acid
11210	DL-Aspartic acid
11211	L-Aspartic acid 4-benzyl ester
11215	L-Aspartic acid dibenzyl ester toluene-4-sulfonate
11225	L-Aspartic acid di-tert-butyl ester DBSI salt
11260	L-Aspartic acid magnesium salt
11270	DL-Aspartic acid magnesium salt
11230	L-Aspartic acid potassium salt
11240	DL-Aspartic acid potassium salt
11250	L-Aspartic acid potassium magnesium salt
15386	BOC-L-aspartic acid 4-benzyl ester
30427	Dansyl-L-aspartic acid dicyclohexylamine salt
74682	NPS-L-aspartic acid 4-benzyl ester DCHA-salt
74683	NPS-L-aspartic acid 4-tert-butyl ester DCHA-salt
95970	Z-L-aspartic acid
95989	Z-L-aspartic acid 4-tert-butyl ester
95991	Z-L-aspartic acid 4-tert-butyl-1-hydroxysuccinimide ester

Cysteine

01039	N-Acetyl-L-cysteine
13310	S-Benzyl-L-cysteine
13330	S-Benzyl-L-cysteine methyl ester hydrochloride
15376	BOC-S-acetamidomethyl-L-cysteine
15383	BOC-S-benzyl-L-cysteine
15401	BOC-S-benzyl-L-cysteine dicyclohexylamine salt
15379	BOC-S-benzyl-L-cysteine 4-nitrophenyl ester
15375	BOC-S-tert-butylmercapto-L-cysteine
15463	BOC-S-(4-methoxybenzyl)-L-cysteine DCHA-salt
20235	S-tert-Butylmercapto-L-cysteine
21770	S-Carbamoyl-L-cysteine
21867	S-Carboxyethyl-L-cysteine
21905	S-Carboxymethyl-L-cysteine
30090	L-Cysteine
30095	D-Cysteine
30097	DL-Cysteine
30100	L-Cysteine ethyl ester hydrochloride
30110	D-Cysteine hydrochloride anhydrous
30120	L-Cysteine hydrochloride anhydrous
30130	L-Cysteine hydrochloride monohydrate
30140	D-Cysteine hydrochloride monohydrate
30150	DL-Cysteine hydrochloride
30160	L-Cysteine methyl ester hydrochloride
03380	S-Ethyl-L-cysteine
93450	S-Trityl-L-cysteine
96000	N-Z,S-benzyl-L-cysteine
96060	N,S-di-Z-L-cysteine

Cystine

15387	N $_{\alpha}$,N $_{\alpha}$ -di-BOC-L-cystine
30200	L-Cystine
30210	D-Cystine
30241	L-Cystine dibenzyl ester dihydrochloride
30242	L-Cystine dibenzyl ester ditosylate
30250	L-Cystine dimethyl ester dihydrochloride
30260	L-Cystine di-2-naphthylamide
96080	N $_{\alpha}$,N $_{\alpha}$ -di-Z-L-cystine

Glutamic acid

07080	N-(4-Aminobenzoyl)-L-glutamic acid
15419	BOC-L-glutamic acid 5-benzyl ester DCHA-salt
21151	Calcium-L-glutamate tetrahydrate
30436	Dansyl-L-glutamic acid dicyclohexylamine salt

47713	N-Formimino-L-glutamic acid barium salt
49450	L-Glutamic acid
49460	D-Glutamic acid
49470	DL-Glutamic acid anhydrous
49510	L-Glutamic acid 5-benzyl ester
49520	L-Glutamic acid 5-tert-butyl-1-methyl ester hydrochloride
49553	L-Glutamic acid dibenzylester toluene-4-sulfonate
49555	L-Glutamic acid di-tert-butyl ester DBSI salt
49550	L-Glutamic acid diethyl ester hydrochloride
49560	L-Glutamic acid dimethyl ester hydrochloride
49490	L-Glutamic acid 5-ethyl ester
49570	L-Glutamic acid hydrochloride
49590	DL-Glutamic acid hydrochloride
49610	L-Glutamic acid 5-methyl ester
49480	DL-Glutamic acid monohydrate
49601	L-Glutamic acid monopotassium salt
49621	L-Glutamic acid monosodium salt
49622	L-Glutamic acid 1-(4-nitroanilide)
49623	L-Glutamic acid 5-(4-nitroanilide)
74687	NPS-L-glutamic acid 5-benzyl ester DCHA-salt
74688	NPS-L-glutamic acid 5-tert-butyl ester DCHA-salt
96120	Z-L-glutamic acid
96129	Z-L-glutamic acid 5-tert-butyl ester
96130	Z-L-glutamic acid γ -tert-butyl ester DCHA-salt
96131	Z-L-glutamic acid γ -tert-butyl- α -hydroxysuccinimide ester

Glutamine

15412	BOC-L-glutamine
15849	BPOC-L-glutamine dicyclohexylamine salt
30435	Dansyl-L-glutamine dicyclohexylamine salt
49420	L-(+)-Glutamine
49430	D-(-)-Glutamine
74686	NPS-L-glutamine DCHA-salt
96100	Z-L-glutamine
96111	Z-L-glutamine 4-nitrophenyl ester

Glycine

01185	N-Acetylglycinamide
01180	N-Acetylglycine
15420	BOC-glycine
15423	BOC-glycine hydroxysuccinimide ester
15424	BOC-glycine 4-nitrophenyl ester
15852	BPOC-glycine dicyclohexylamine salt
30433	Dansyl-glycine piperidine salt
32350	N,N-Diethylglycine ethyl ester
32360	N,N-Diethylglycine hydrochloride
40360	N,N-Dimethylglycine
47719	N-Formylglycine ethyl ester
50050	Glycine
76595	Glycine-d ₅
50070	Glycinamide hydrochloride
50051	Glycine benzyl ester toluene-4-sulfonate
50085	Glycine tert-butyl ester dibenzene-sulfimide salt
50060	Glycine ethyl ester hydrochloride
50110	Glycine methyl ester hydrochloride
56150	N-(4-Hydroxyphenyl) glycine
63794	N-(2-Mercaptopropionyl) glycine
74689	NPS-glycine DCHA-salt
78560	N-Phenylglycine
79850	N-Phthaloylglycine
96160	Z-glycine
96170	Z-glycinamide
96175	Z-glycine (2-chloromethyl-4-nitrophenyl) ester
96180	Z-glycine hydrazide
96181	Z-glycine 4-nitrophenyl ester
96182	Z-glycine hydroxysuccinimide ester

Histidine

15388	N _α -BOC-N _(im) -(1-Z-amino-2,2,2-trifluoroethyl)-L-histidine
15389	N _α -BOC-N _(im) -2,4-dinitrophenyl-L-histidine
15426	N _α -BOC-L-histidine
15427	N _α ,N _(im) -di-BOC-L-histidine DCHA salt
15430	N _α -BOC-L-histidine hydrazide
15507	N _α -BOC-N _(im) -tosyl-L-histidine dicyclohexylamine salt

30442	N _α -Dansyl-L-histidine
53320	L-Histidine
53321	D-Histidine
53330	DL-Histidine
53340	L-Histidine dihydrochloride
53360	L-Histidine methyl ester dihydrochloride
53370	L-Histidine monohydrochloride monohydrate
53380	D-Histidine monohydrochloride monohydrate
53390	DL-Histidine monohydrochloride
96290	N _α -Z-L-histidine

Hydroxyproline

20024	O-tert-Butyl-L-hydroxyproline tert-butyl ester DBSI salt
56250	L-4-Hydroxyproline
96020	N-Z,O-tert-butyl-L-hydroxyproline DCHA salt
96310	Z-L-hydroxyproline

Isoleucine

15440	BOC-L-isoleucine
15442	BOC-L-isoleucine hydroxysuccinimide ester
15443	BOC-L-isoleucine 4-nitrophenyl ester
15853	BPOC-L-isoleucine
30437	Dansyl-L-isoleucine piperidine salt
58880	L-Isoleucine allo free
58882	D-Isoleucine allo free
58885	DL-Isoleucine
58904	L-Isoleucine benzyl ester toluene-4-sulfonate
58905	L-Isoleucine tert-butyl ester dibenzene-sulfimide salt
58920	L-Isoleucine methyl ester hydrochloride
74693	NPS-L-isoleucine DCHA salt
96620	Z-L-isoleucine dicyclohexylamine salt
96630	Z-L-isoleucine 4-nitrophenyl ester

Leucine

01260	N-Acetyl-L-leucine
15450	BOC-L-leucine
15454	BOC-L-leucine hydroxysuccinimide ester
15455	BOC-L-leucine 4-nitrophenyl ester
15854	BPOC-L-leucine dicyclohexylamine salt
30438	Dansyl-L-leucine piperidine salt
61820	L-Leucine
61830	D-Leucine
61840	DL-Leucine
61872	L-Leucine benzyl ester toluene-4-sulfonate
61875	L-Leucine tert-butyl ester dibenzene-sulfimide salt
61850	L-Leucine ethyl ester hydrochloride
61890	L-Leucine methyl ester hydrochloride
61900	L-Leucine 2-naphthylamide hydrochloride
61910	L-Leucine 4-nitroanilide
74694	NPS-L-leucine DCHA salt
79940	N-Phthaloyl-L-leucine
96710	Z-L-leucine
96730	Z-L-leucine dicyclohexylamine salt
96731	Z-L-leucine hydroxysuccinimide ester
96740	Z-L-leucine 4-nitrophenyl ester

Lysine

15456	N _α -BOC-L-lysine
15540	N _α -BOC-N _ε -Z-L-lysine dicyclohexylamine salt
15550	N _ε -BOC-N _α -Z-L-lysine dicyclohexylamine salt
15541	N _α -BOC-N _ε -Z-L-lysine hydroxysuccinimide ester
15863	N _α -BPOC-N _ε -BOC-L-lysine dicyclohexylamine salt
15457	N _α ,N _ε -di-BOC-L-lysine DCHA salt
15458	N _α ,N _ε -di-BOC-L-lysine 4-nitrophenyl ester
30439	di-Dansyl-L-lysine dicyclohexylamine salt
62840	L-Lysine
62860	DL-Lysine
62900	L-Lysine dihydrochloride
62910	DL-Lysine dihydrochloride
62880	L-Lysine ethyl ester dihydrochloride
62930	L-Lysine monohydrochloride
62950	D-Lysine monohydrochloride
62960	DL-Lysine monohydrochloride
74709	N _α -NPS-N _ε -BOC-L-lysine DCHA salt

81120	N _ε -POC-L-lysine
90183	N _ε -Tosyl-L-lysine
90182	N _α -Tosyl-L-lysine chloromethyl ketone hydrochloride
96870	N _ε -Z-L-lysine hydrochloride
96830	N _α -Z-L-lysine
96840	N _ε -Z-L-lysine
96850	N _α ,N _ε -di-Z-L-lysine
96880	N _ε -Z-L-lysine benzyl ester HCl
96890	N _ε -Z-L-lysine methyl ester HCl
96895	N _α ,N _ε -di-Z-L-lysine 4-nitrophenyl ester

Methionine

01310	N-Acetyl-L-methionine
15462	BOC-L-methionine
15460	BOC-L-methionine dicyclohexylamine salt
15461	BOC-L-methionine hydroxysuccinimide ester
15855	BPOC-L-methionine dicyclohexylamine salt
30441	Dansyl-L-methionine piperidine salt
64320	L-Methionine
64330	D-Methionine
64340	DL-Methionine
64350	L-Methionine ethyl ester hydrochloride
64370	L-Methionine methyl ester hydrochloride
74695	NPS-L-methionine DCHA salt
96910	Z-L-methionine

Ornithine

75440	L-Ornithine dihydrochloride
75470	L-Ornithine monohydrochloride
75480	D-Ornithine monohydrochloride
75490	DL-Ornithine monohydrochloride

Phenylalanine

13040	N-Benzoyl-DL-phenylalanine 2-naphthyl ester
15480	BOC-L-phenylalanine
15481	BOC-L-phenylalanine hydroxysuccinimide ester
15482	BOC-L-phenylalanine 4-nitro-phenyl ester
15856	BPOC-L-phenylalanine dicyclohexylamine salt
30443	Dansyl-L-phenylalanine piperidine salt
74696	NPS-L-phenylalanine DCHA salt
78020	L-Phenylalanine
78030	D-Phenylalanine
78040	DL-Phenylalanine
78060	L-Phenylalanine benzyl ester HCl
78061	L-Phenylalanine benzyl ester toluene-4-sulfonate
78075	L-Phenylalanine tert-butyl ester dibenzene-sulfimide salt
78080	L-Phenylalanine tert-butyl ester HCl
78050	L-Phenylalanine ethyl ester HCl
78090	L-Phenylalanine methyl ester HCl
79980	N-Phthaloyl-L-phenylalanine
90184	N-Tosyl-L-phenylalanine chloromethylketone
97000	Z-L-phenylalanine
97010	Z-DL-phenylalanine
97011	Z-L-phenylalanine hydroxysuccinimide ester
97020	Z-L-phenylalanine 4-nitrophenyl ester

Proline

15490	BOC-L-proline
15491	BOC-L-proline hydroxysuccinimide ester
15857	BPOC-L-proline dicyclohexylamine salt
30444	Dansyl-L-proline piperidine salt
74697	NPS-L-proline DCHA salt
81710	L-Proline
81705	D-Proline
81720	DL-Proline
81723	L-Proline benzyl ester hydrochloride
81725	L-Proline tert-butyl ester dibenzene-sulfimide salt
81740	L-Proline methyl ester HCl
97090	Z-L-proline
97092	Z-D-proline
97101	Z-L-proline hydroxysuccinimide ester
97110	Z-L-proline 4-nitrophenyl ester

Serine

13900	O-Benzyl-L-serine
13910	O-Benzyl-D-serine
13920	O-Benzyl-DL-serine

15390 BOC-O-benzyl-L-serine
15400 BOC-O-benzyl-D-serine dicyclohexyl-amine salt
15500 BOC-L-serine
20586 O-tert-Butyl-L-serine tert-butyl ester DBSI salt
30445 Dansyl-L-serine piperidine salt
74699 NPS-O-tert-butyl-L-serine DCHA salt
74698 NPS-L-serine DCHA salt
84960 L-Serine
84970 D-Serine
84980 DL-Serine
85000 L-Serine methyl ester hydrochloride
96030 N-Z,O-tert-butyl-L-serine dicyclohexyl-amine salt
97190 Z-L-serine
97210 Z-L-serine hydrazide

Threonine

15405 BOC-O-benzyl-L-threonine
15505 BOC-L-threonine
15847 BPOC-O-tert-butyl-L-threonine DCHA salt
20621 O-tert-Butyl-L-threonine tert-butyl ester DBSI salt
20595 O-tert-Butyl-L-threonine methyl ester hydrochloride
30446 Dansyl-L-threonine piperidine salt
74703 NPS-O-tert-butyl-L-threonine DCHA salt
74702 NPS-L-threonine DCHA salt
89180 L-Threonine allo free
89190 D-Threonine allo free
89200 DL-Threonine allo free
89210 L-Threonine methyl ester
96040 N-Z,O-tert-butyl-L-threonine dicyclohexylamine salt
97230 Z-L-threonine

Tryptophan

01520 N-Acetyl-DL-tryptophan
15407 N_α-BOC-N_(in)-formyl-L-tryptophan
15512 BOC-L-tryptophan
15516 BOC-L-tryptophan hydroxysuccinimide ester
15517 BOC-L-tryptophan 4-nitrophenyl ester
30447 N_α-Dansyl-L-tryptophan piperidine salt
74704 NPS-L-tryptophan DCHA salt
93660 L-Tryptophan
93670 D-Tryptophan
93680 DL-Tryptophan
93720 L-Tryptophan benzyl ester HCl
93690 L-Tryptophan ethyl ester
93730 L-Tryptophan methyl ester HCl
97240 Z-L-tryptophan
97260 Z-L-tryptophan 4-nitrophenyl ester
92270 Z-DL-tryptophan 4-nitrophenyl ester

Tyrosine

01530 N-Acetyl-L-tyrosine ethyl ester
13110 N-Benzoyl-L-tyrosine ethyl ester
13135 N-Benzoyl-L-tyrosyl-p-amino-benzoic acid sodium salt
14010 O-Benzyl-L-tyrosine
15410 BOC-O-benzyl-L-tyrosine
15377 BOC-O-benzyl-L-tyrosine hydroxysuccinimide ester
15378 BOC-O-benzyl-L-tyrosine 4-nitrophenyl ester
15393 N-BOC-O-(2,6-dichlorobenzyl)-L-tyrosine
15520 BOC-L-tyrosine
30448 Dansyl-L-tyrosine
74706 NPS-O-tert-butyl-L-tyrosine DCHA salt
93830 L-Tyrosine
93840 D-Tyrosine
93850 DL-Tyrosine
93900 L-Tyrosine benzyl ester toluene-4-sulfonate
93902 L-Tyrosine tert-butyl ester
93890 L-Tyrosine ethyl ester HCl
93915 L-Tyrosine hydrazide
93920 L-Tyrosine methyl ester
93930 L-Tyrosine methyl ester HCl
96009 N-Z,O-benzyl-L-tyrosine hydroxysuccinimide ester
96010 N-Z,O-benzyl-L-tyrosine 4-nitrophenyl ester
96050 N-Z,O-tert-butyl-L-tyrosine dicyclohexylamine salt
97300 Z-L-tyrosine 4-nitrophenyl ester

Valine

15528 BOC-L-valine
15531 BOC-L-valine hydroxysuccinimide ester
15858 BPOC-L-valine cyclohexylamine salt
74707 NPS-L-valine DCHA salt
94620 L-Valine
94630 D-Valine
94640 DL-Valine
94651 L-Valine benzyl ester toluene-4-sulfonate
94655 L-Valine tert-butyl ester dibenzene-sulfimide salt
94650 L-Valine ethyl ester hydrochloride
94670 L-Valine methyl ester hydrochloride
97330 Z-L-valine
97341 Z-L-valine hydroxysuccinimide ester
97342 Z-L-valine 4-nitrophenyl ester

Miscellaneous Amino Acids

01423 N-Acetyl-D-penicillamine
05160 β-Alanine
05182 β-Alanine ethyl ester hydrochloride
05703 L-Alloisoleucine
05705 D-Alloisoleucine
05960 DL-C-Allyl glycine
09416 L-Amino acids, Kit
09422 Amino acids 4-bromophenylthiohydantoin, Kit
09424 Amino acids 4-chlorophenylthiohydantoin, Kit
09426 Amino acids 4-fluorophenylthiohydantoin, Kit
09420 Amino acids phenylthiohydantoin, Kit
07200 L-2-Aminobutyric acid
07210 D-2-Aminobutyric acid
07220 DL-2-Aminobutyric acid
08035 L-2-Amino-3-guanidinopropionic acid hydrochloride
08090 4-Aminohippuric acid
08280 α-Aminoisobutyric acid
08290 DL-β-Aminoisobutyric acid
09050 2-Aminooctanoic acid
09070 6-Aminopenicillanic acid
15382 BOC-β-alanine
27510 L-Citrulline
27520 DL-Citrulline
27530 L-Citrulline monohydrochloride
27890 Creatine anhydrous
27900 Creatine monohydrate
30020 D-Cycloserine
30060 DL,DL-allo-Cystathionine
30180 DL-Cysteic acid
30170 L-Cysteic acid monohydrate
30451 N-Dansyl-L-cysteic acid biscyclohexylamine salt
32830 L-2,4-Diaminobutyric acid dihydrochloride
32840 DL-2,4-Diaminobutyric acid dihydrochloride
33240 DL-2,6-Diaminopimelic acid
33280 DL-2,3-Diaminopropionic acid monohydrochloride
36840 L-Djenkolic acid
37830 3-(3,4-Dihydroxyphenyl)-L-alanine, L-DOPA
37840 3-(3,4-Dihydroxyphenyl)-D-alanine, D-DOPA
37862 3-(3,4-Dihydroxyphenyl)-2-methyl-L-alanine
38100 3,5-Diiodo-L-thyronine
38120 3,5-Diiodo-DL-thyronine
38130 3,5-Diiodo-L-tyrosine
02490 L-Ethionine
02510 DL-Ethionine
03380 S-Ethyl-L-cysteine
47300 2-Fluoro-DL-phenylalanine
47310 3-Fluoro-DL-phenylalanine
47320 4-Fluoro-DL-phenylalanine
47570 5-Fluoro-DL-tryptophan
47722 N-Formyl-L-penicillamine acetone adduct
47724 N-Formyl-DL-penicillamine acetone adduct
53270 Hippuric acid
53510 DL-Homocysteine
53540 L-Homocystine
53550 DL-Homocystine
53600 L-Homoserine
53610 DL-Homoserine
55000 DL,DL-allo-5-Hydroxylysine hydrochloride
56570 5-Hydroxy-L-tryptophan

56590 5-Hydroxy-DL-tryptophan
58120 3-Iodo-L-tyrosine
61250 DL-Kynurenine
61570 DL-Lanthionine
64380 DL-Methionine-S-methyl sulfonium bromide
64382 DL-Methionine-S-methyl sulfonium chloride
64400 L-Methionine sulfone
64410 DL-Methionine sulfone
64420 L-Methionine sulfoxide
64430 DL-Methionine sulfoxide
65380 5-Methoxy-DL-tryptophan
66560 S-Methyl-L-cysteine
69560 5-Methyl-DL-tryptophan
69570 6-Methyl-DL-tryptophan
69577 α-Methyl-DL-tyrosine
74560 L-Norleucine
74570 D-Norleucine
74580 DL-Norleucine
74650 L-Norvaline
74660 D-Norvaline
74670 DL-Norvaline
76398 L-Penicillamine
76400 D-Penicillamine
76410 DL-Penicillamine
76415 L-Penicillamine acetone adduct hydrochloride
76417 D-Penicillamine acetone adduct hydrochloride
76422 D-Penicillamine disulfide monohydrate
76425 D-Penicillamine methyl ester hydrochloride
78570 D(-)-α-Phenylglycine
78580 DL-α-Phenylglycine
79170 β-Phenyl-DL-serine monohydrate
79710 DL-Phosphoserine
83160 L-Pyroglutamic acid
83170 DL-Pyroglutamic acid
84530 Sarcosine
84550 Sarcosine anhydride
84539 Sarcosine ethyl ester hydrochloride
88400 L-Thiazolidine-4-carboxylic acid
89400 DL-Thyronine
89410 D-Thyroxine
89420 DL-Thyroxine
89430 L-Thyroxine sodium salt
90185 Tosyl-L-pyroglutamic acid
91990 3,3',5-Triiodo-L-thyronine
92010 3,3',5-Triiodo-L-thyronine sodium salt

Buffer Substances

00195 ACES
00195 N-(2-Acetamido)-2-aminoethanesulfonic acid, ACES
00308 N-(2-Acetamidoliminodiacetic acid, ADA
45730 Acetic acid
00308 ADA
05130 L-Alanine
05150 DL-Alanine
05160 β-Alanine
07240 4-Aminobutyric acid
86330 2-Aminoethanesulfonic acid
08570 2-Amino-2-methyl-1,3-propanediol, AMPD
08580 2-Amino-2-methyl-1-propanol
08570 Ammediol
09690 Ammonium acetate
09696 Ammonium benzoate
09698 Ammonium carbonate
09739 Ammonium formate
09832 Ammonium hydrogencarbonate
09838 Ammonium hydrogenoxalate
09840 di-Ammonium hydrogenphosphate (sec.)
09855 Ammonium hydrogentartrate
09900 Ammonium oxalate
09933 mono Ammonium phosphate
71283 Ammonium sodium hydrogenphosphate
09883 Ammonium sodium tartrate
09984 di-Ammonium tartrate cryst.
08570 AMPD
11180 DL-Asparagine monohydrate
11230 L-Aspartic acid monopotassium salt
31995 Barbitol, Barbitone
11710 Barbituric acid
11715 Barbituric acid sodium salt

12349	Benzoic acid	65600	Methylamine hydrochloride	86330	Taurine
09696	Benzoic acid ammonium salt	69949	MOPS	93353	TES
71300	Benzoic acid sodium salt	69880	Morpholine	93355	TRICINE
14855	BES	69892	2-(N-Morpholino)ethanesulfonic acid, MES	90280	Triethanolamine
14872	BICINE	69949	3-(N-Morpholino)propanesulfonic acid, MOPS	90290	Triethanolamine hydrochloride
31590	Bis(2-hydroxyethyl)amine	79620	Orthophosphoric acid	90340	Triethylamine
14855	N,N-Bis(2-hydroxyethyl)-2-aminoethanesulfonic acid, BES	75700	Oxalic acid dihydrate	90350	Triethylamine hydrochloride
14872	N,N-Bis(2-hydroxyethyl)glycine, BICINE	71800	Oxalic acid sodium salt	50240	Triglycine
14880	Bis(2-hydroxyethyl)amino-tris-(hydroxymethyl)methane, BIS-TRIS	79620	Phosphoric acid	92250	Trimethylamine anhydrous
14880	BIS-TRIS	80010	Phthalic acid	92262	Trimethylamine, 45–50% in water
72000	Borax	80240	γ -Picoline	92270	Trimethylamine hydrochloride
15660	Boric acid	80620	Piperazine anhydrous	27690	2,4,6-Trimethylpyridine
82560	Buffer tablets, pH 4.0	80637	Piperazine-N,N'-bis(2-ethanesulfonic acid), PIPES	93349	TRIS
82561	Buffer tablets, pH 7.0	80636	Piperazine-N,N'-bis(2-ethanesulfonic acid disodium salt, PIPES- Na_2	93339	TRIS acetate
82562	Buffer tablets, pH 9.2	80640	Piperidine	93345	TRIS carbonate
19480	n-Butylamine	80680	Piperidine hydrochloride	93346	TRIS hemisulfate
19210	Butyric acid	80637	PIPES	93347	TRIS hydrochloride
20840	Cacodylic acid sodium salt	80636	PIPES- Na_2	93349	Tris(hydroxymethyl)aminomethane, TRIS
29338	CAPS	60034	Potassium acetate	93353	N-[Tris(hydroxymethyl)methyl]-2-aminoethanesulfonic acid, TES
29312	CHES	11230	Potassium L-aspartate	93354	N-[Tris(hydroxymethyl)methyl]-3-aminopropanesulfonic acid, TAPS
24510	Chloroacetic acid	60340	Potassium bicarbonate	93355	N-[Tris(hydroxymethyl)methyl]glycine, TRICINE
27488	Citric acid anhydrous	60109	Potassium carbonate	93344	TRIS maleate
71635	Citric acid disodium salt	60153	tri-Potassium citrate	93348	TRIS phosphate
27490	Citric acid monohydrate	60215	Potassium dihydrogencitrate	52710	Urotropine
60215	Citric acid monopotassium salt	60220	Potassium dihydrogenphosphate	94640	DL-Valine
71498	Citric acid monosodium salt	49601	Potassium L-glutamate	31995	Veronal
60153	Citric acid tripotassium salt	60340	Potassium hydrogencarbonate		
71405	Citric acid trisodium salt	60355	di-Potassium hydrogenphosphate		
27510	L-Citrulline	60360	Potassium hydrogenphthalate		
27520	DL-Citrulline	60365	Potassium hydrogen-L-tartrate		
27690	sym.-Collidine	60425	Potassium oxalate		
27910	Creatinine	60495	tri-Potassium phosphate monohydrate		
29312	2-(Cyclohexylamino)ethanesulfonic acid, CHES	60410	Potassium sodium tartrate		
29338	3-(Cyclohexylamino)propanesulfonic acid, CAPS	60592	Potassium tetraoxalate dihydrate		
03550	1,2-Diaminoethane	60538	di-Potassium tartrate		
03580	1,2-Diaminoethane dihydrochloride	81710	L-Proline		
33000	1,6-Diaminohexane	81910	Propionic acid		
31590	Diethanolamine	82702	Pyridine		
31730	Diethylamine	83335	Quadrol-Trifluoroacetic acid Buffer, (0.25 M); pH 9		
31740	Diethylamine hydrochloride	71180	Sodium acetate anhydrous		
31760	2-Diethylaminoethanol	71190	Sodium acetate trihydrate		
31995	5,5-Diethylbarbituric acid	71283	Sodium ammonium hydrogenphosphate		
32001	5,5-Diethylbarbituric acid sodium salt	32001	Sodium barbital		
32441	N,N-Diethylmethylamine	11715	Sodium barbiturate		
38930	Dimethylamine anhydrous	71300	Sodium benzoate		
38940	Dimethylamine, 40% in water	71628	Sodium bicarbonate		
38960	Dimethylamine hydrochloride	20840	Sodium cacodylate		
40340	3,3-Dimethylglutaric acid	71350	Sodium carbonate		
54463	EPPS	71360	Sodium carbonate cryst.		
02940	Ethylamine anhydrous	71405	tri-Sodium citrate		
02950	Ethylamine, 70% in water	71498	Sodium dihydrogencitrate anhydrous		
02960	Ethylamine hydrochloride	71500	Sodium dihydrogenphosphate		
03550	Ethylenediamine anhydrous	71499	di-Sodium dihydrogenpyrophosphate		
03580	Ethylenediamine dihydrochloride	71540	Sodium formate		
04499	N-Ethylmorpholine	47970	di-Sodium fumarate		
06440	Formic acid	49621	Sodium L-glutamate		
47970	Fumaric acid disodium salt anhydrous	71628	Sodium hydrogencarbonate		
07240	GABA	71635	di-Sodium hydrogencitrate		
49601	L-Glutamic acid monopotassium salt	71499	di-Sodium hydrogenphosphate		
49621	L-Glutamic acid monosodium salt	71640	di-Sodium hydrogenphosphate anhydrous		
50050	Glycinamide	71645	di-Sodium hydrogenphosphate dihydrate		
50070	Glycinamide hydrochloride	71650	di-Sodium hydrogenphosphate dodecahydrate		
50200	Glycyl-glycine	71680	Sodium hydrogentartrate		
50240	Glycyl-glycyl-glycine	63260	di-Sodium maleate		
54461	HEPES	71800	Sodium oxalate		
54463	HEPPS	71909	tri-Sodium phosphate		
52710	Hexamethylenetetramine	71514	tetra-Sodium pyrophosphate		
53320	L-Histidine	71920	Sodium pyrophosphate anhydrous		
53340	L-Histidine dihydrochloride	71995	di-Sodium tartrate		
53370	L-Histidine monohydrochloride monohydrate	71998	Sodium tetraborate		
54410	N-(2-Hydroxyethyl)morpholine	72000	Sodium tetraborate decahydrate		
54461	N-(2-Hydroxyethyl)piperazine-N'-(2-ethanesulfonic acid), HEPES	14079	Succinic acid		
54463	N-(2-Hydroxyethyl)piperazine-N'-(3-propanesulfonic acid), (H)EPPS	93354	TAPS		
56750	Imidazole	95310	L(+)-Tartaric acid		
27910	2-Imino-N-methylhydantoin	09883	L(+)-Tartaric acid ammonium sodium salt		
69773	L(+)-Lactic acid	09984	L(+)-Tartaric acid diammonium salt		
62760	2,6-Lutidine	60538	L(+)-Tartaric acid dipotassium salt		
62780	3,4-Lutidine	71995	L(+)-Tartaric acid disodium salt		
63180	Maleic acid	09855	L(+)-Tartaric acid monoammonium salt		
63260	Maleic acid disodium salt	60365	L(+)-Tartaric acid monopotassium salt		
63200	Maleic anhydride	71680	L(+)-Tartaric acid monosodium salt		
02310	DL-Malic acid	60410	L(+)-Tartaric acid potassium sodium salt		
69892	MES				
65568	Methylamine anhydrous				
65580	Methylamine, 40% in water				

Carbohydrates and Derivatives (without nucleosides and nucleotides)

Mono- and Oligosaccharides

00530	α -Acetobromo-D-glucose
01139	N-Acetyl-D-galactosamine
01140	N-Acetyl-D-glucosamine
01400	N-Acetylneuraminic acid
01510	1-O-Acetyl-2,3,5-tri-O-benzoyl- β -D-ribofuranose
02320	Aescin
02240	Adonitol
05750	β -D-Allose
07628	6-Amino-6-deoxy-D-allose hydrochloride
07630	3-Amino-3-deoxy-D-glucose hydrochloride
07632	6-Amino-6-deoxy-D-glucose hydrochloride
10050	Amygdalin
48790	Amygdalose
10840	L(+)-Arabinose
10850	D(-)-Arabinose
10860	DL-Arabinose
10870	L(-)-Arabitol
10880	D(+)-Arabitol
58320	D(-)-Araboascorbic acid
10895	D(+)-Arabonic acid potassium salt
10960	Arbutin
95210	L(+)-Ascorbic acid
11138	L(+)-Ascorbic acid calcium salt
11140	L(+)-Ascorbic acid sodium salt
76183	(Ascorbylpalmitate)
17663	6-Bromo-2-naphthyl- α -D-galactopyranoside
17664	6-Bromo-2-naphthyl- β -D-galactopyranoside
17666	6-Bromo-2-naphthyl- β -D-glucopyranoside
21142	Calcium D-gluconate
21160	Calcium D-glucoheptonate
21160	Calcium D-heptagluconate
21190	Calcium lactobionate
22150	D(+)-Cellobiose
22160	D-Cellobiose octaacetate
23120	α -Chloralose
25700	Chlorogenic acid
25710	Chlorogenic acid-caffeine complex potassium salt
48250	D-Chondrosamine hydrochloride
27660	Colchicoside
49220	Cori-ester dipotassium salt
49230	Cori-ester disodium salt
28500	Cyanine chloride
30030	Cymarine
30790	Dehydro-L-ascorbic acid
37040	2-Deoxy-D-altromethvlose
31050	2-Deoxy-D-galactose
47880	6-Deoxy-D-galactose

47870	6-Deoxy-L-galactose	61340	D(+)-Lactose monohydrate	95649	Xylitol pyrogen-free
31060	2-Deoxy-D-glucose	61360	Lactulose	95650	Xylitol
83650	6-Deoxy-L-mannose	47740	D-Levulose	95720	L(-)-Xylose
31170	2-Deoxy-D-ribose	63005	L(+)-Lyxose	95730	D(+)-Xylose
31460	Diacetone-D-glucose	63010	D(-)-Lyxose	95740	DL-Xylose
31462	(-)-Diacetone-2-keto-L-gulonic acid	63076	Magnesium D-gluconate		
37010	Digitonin	63415	Maltitol	Polysaccharides	
37030	Digitoxin	63420	Maltobiose	22190	Acetylcellulose
37040	D(+)-Digitoxose	63419	D(+)-Maltose monohydrate	05039	Agar-Agar
37100	Digoxin	63440	Malvin chloride	05068	Agarose
31460	1,2:5,6-Di-O-isopropylidene- α -D-glucopyranose	63560	D-Mannitol	05550	Alginic acid
31462	2,3:4,6-Di-O-isopropylidene-2-keto-L-gulonic acid	63571	D-Mannoheptulose	06675	Aminoethyl cellulose
38410	1,2:5,6-Di-O-isopropylidene-D-mannitol	63575	D-Mannosamine hydrochloride	81325	Anhydrogalacturonic acid
38415	1,2:5,6-Di-O-isopropylidene- α -D-ribo-3-hexofuranosulose monohydrate	63578	L(-)-Mannose	21890	Carboxymethyl cellulose
43796	1,4-Dithioerythritol	63580	D(+)-Mannose	21900	Carboxymethyl cellulose sodium salt
43818	(-)-1,4-Dithio-L-threitol	63620	D(+)-Melezitose dihydrate	54290	«Cellosize WP-40»
43819	1,4-Dithio-DL-threitol	63630	D(+)-Melibiose monohydrate	22195	Cellulose
43880	(-)-1,4-Di-O-tosyl-2,3-O-isopropylidene-L-threitol	83400	Melitose	22190	Cellulose acetate
44590	Dulcitol	65830	Methyl- β -D-arabinopyranoside	22192	Cellulose acetate phthalate
02320	Escin	65898	Methyl-4,6-O-benzylidene-2,3-di-O-p-toluenesulfonyl- α -D-galactopyranoside	22191	Cellulose phosphorylated
02350	Esculin	66930	N-Methyl-D-glucamine	22200	Cellulose triacetate
47740	D(-)-Fructose	66940	Methyl- α -D-glucopyranoside	22720	Chitin
47810	D-Fructose 1,6-diphosphate trisodium salt	66950	Methyl- β -D-glucopyranoside	27043	Chondroitine sulfate sodium salt
47820	D-Fructose 1-phosphate barium salt	67770	Methyl- α -D-mannopyranoside	30424	Dammar resin
47870	L(-)-Fucose	84660	Mucic acid	31387	Dextran
47880	D(+)-Fucose	70972	1-Naphthyl- β -D-glucopyranoside	31395	Dextran sodium sulfate
84660	Galactaric acid	71160	Naringin	31400	Dextrin
48240	D(-)-Galactono-1,4-lactone	73653	4-Nitrophenyl- α -D-galactopyranoside	31804	Diethylaminoethyl cellulose
48250	D-Galactosamine hydrochloride	73660	2-Nitrophenyl- β -D-galactopyranoside	46070	«Ethocel»
48260	D(+)-Galactose	73670	4-Nitrophenyl- β -D-galactopyranoside	46070	Ethyl cellulose
48270	β -D-Galactose pentaacetate	73673	4-Nitrophenyl- α -D-glucopyranoside	50571	D(+)-Glycogen
48280	D(+)-Galacturonic acid	73674	2-Nitrophenyl- β -D-glucopyranoside	51200	Gum arabic
48790	β -Gentiobiose	73676	4-Nitrophenyl- β -D-glucopyranoside	30424	Gum dammar
48950	Gitoxin	73731	4-Nitrophenyl- α -D-mannopyranoside	51543	Heparin ammonium salt
21160	D-Glucoheptonic acid calcium salt	85495	Octa-O-acetyl- β -sophorose	51545	Heparin lithium salt
51705	α -D(-)-Glucoheptono-1,4-lactone	75980	Palatinose	51544	Heparin potassium salt
79450	D-Gluconate 6-phosphate barium salt	76183	6-O-Palmitoyl-L-ascorbic acid	51550	Heparin sodium salt
49110	D-Gluconic acid 50% in water	48270	1,2,3,4,6-Penta-O-acetyl- β -D-galactopyranose	53730	Hyaluronic acid
21142	D-Gluconic acid calcium salt	49200	1,2,3,4,6-Penta-O-acetyl- α -D-glucopyranose	53750	Hyaluronic acid potassium salt
63076	D-Gluconic acid magnesium salt	49210	1,2,3,4,6-Penta-O-acetyl- β -D-glucopyranose	54290	Hydroxyethyl cellulose
71550	D-Gluconic acid sodium salt	49300	1,2,3,4,6-Pentaacetyl-1-thio- β -D-glucopyranose	57610	Inulin
49120	D(+)-Glucono-1,5-lactone	78552	Phenyl- β -D-galactopyranoside	57619	Inulin solution
71560	D-Glucuronic acid sodium salt	78554	Phenyl- β -D-glucopyranoside	76300	Pectic acid
49130	D(+)-Glucosamine hydrochloride	79320	Phlorizin dihydrate	76280	Pectin
49132	D-Glucosaminic acid	79450	6-Phosphogluconic acid barium salt	81325	Polygalacturonic acid
49135	L(-)-Glucose	79480	D-2-Phosphoglyceric acid barium salt	05550	Polymannuronic acid
49140	D(+)-Glucose anhydrous	79490	D-3-Phosphoglyceric acid sodium salt	71240	Polymannuronic acid sodium salt
49159	D(+)-Glucose monohydrate	80180	Phytic acid 40% in water	53750	Potassium hyaluronate
49200	α -D-Glucose pentaacetate	48950	Pseudodigitoxin	71240	Sodium alginate
49210	β -D-Glucose pentaacetate	83380	Quercitrin dihydrate	21900	Sodium carboxymethyl cellulose
49220	D-Glucose 1-phosphate dipotassium salt	83400	D(+)-Raffinose	71365	Sodium cellulose phosphate
49230	D-Glucose 1-phosphate disodium salt	83650	L(+)-Rhamnose monohydrate	27043	Sodium chondroitine sulfate
49240	D-Glucose 6-phosphate barium salt heptahydrate	02240	Ribitol	71240	Sodium polymannuronate
49280	D-Glucose 6-phosphate disodium salt	83800	6-D-Ribitylamino-3,4-dimethylaniline monohydrochloride	85649	Starch soluble
49282	β -D-Glucose 6-phosphate sodium salt anhydrous	83820	D(+)-Ribono-1,4-lactone	85660	Starch solution
49300	β -D-Glucothiose pentaacetate	83860	D(-)-Ribose	22200	Triacetylcellulose
49330	D-Glucuronic acid	83863	L(+)-Ribose	95590	Xylan
49340	D(+)-Glucurono-6,3-lactone	83870	D-Ribose 5-phosphate barium salt		
49790	L(-)-Glyceraldehyde	83890	D-Ribulose	Catecholamines, Neurotransmitters and Related Compounds	
49800	D(+)-Glyceraldehyde	84082	Rutin	01010	Acetylcholine bromide
49810	DL-Glyceraldehyde	84100	D(+)-Saccharose	01020	Acetylcholine chloride
49840	DL-Glyceraldehyde 3-phosphate diethylacetal barium salt	84112	D-Saccharose octaacetate	01030	Acetylcholine iodide
79480	D-Glycerate 2-phosphate barium salt	84150	D-Salicin	01895	Adenosine-3',5'-cyclophosphoric acid
79490	D-Glycerate 3-phosphate barium salt	84510	Saponin	02250	L-Adrenaline
50030	Glyceric acid	01400	O-Sialic acid	02260	L-Adrenaline D-hydrogentartrate
49770	Glycerol	71550	Sodium D-gluconate	02270	Adrenalone hydrochloride
50042	L- α -Glycerophosphate calcium salt monohydrate	71560	Sodium D-glucuronate	07240	4-Aminobutyric acid (γ)
50010	DL- α -Glycerophosphate disodium salt	85495	β -Sophorose octaacetate	07710	3-Amino-2,3-dihydrobenzoic acid hydrochloride
50020	β -Glycerophosphate disodium salt	85532	D-Sorbitol	86330	2-Aminoethanesulfonic acid
50043	Glycerophosphate calcium salt (mixture of the α - and β -isomer)	85542	L(-)-Sorbitose	70015	5-Aminomethyl-3-isoxazolol
50531	Glycyrrhizic acid ammonium salt	30030	K-Strophantidin-D-cymaroside	01895	cAMP
51190	L(-)-Gulono-1,4-lactone	30030	K-Strophantin- α	74460	L-Arterenol
21160	D-Heptagluconic acid calcium salt	84100	D(+)-Sucrose	74470	DL-Arterenol
51705	α -D-Heptagluconic acid- γ -lactone	84112	D-Sucrose octaacetate	74480	L-Arterenol hydrochloride
52040	Hesperidin	86340	D(+)-Tagatose	74490	DL-Arterenol hydrochloride
57570	meso-Inositol	86265	D(+)-Talose	74500	L-Arterenol L-hydrogentartrate
58320	D(-)-Isoascorbic acid	49811	Tannic acid	11190	L-Aspartic acid
59538	1,2-O-Isopropylidene-3-O-methyl-3 α -D-xylopentodialdofuranose-(1,4)	86560	1,2,3,5-Tetra-O-acetyl- β -D-ribofuranose	02270	3',4'-Dihydroxy-2-methylaminoacetophenone hydrochloride
61321	Lactobionic acid	86565	1,2,3,4-Tetra-O-acetyl- β -D-ribofuranose	37830	L-DOPA
21190	Lactobionic acid calcium salt	88635	5-Thio-D-glucose	37840	D-DOPA
		49300	1-Thio- β -D-glucose pentaacetate	37850	DL-DOPA
		90210	D(+)-Trehalose dihydrate	56610	Dopamine hydrochloride
		93760	D(+)-Turannose	02250	L-Epinephrine
		95210	Vitamin C	02260	L-Epinephrine D-hydrogentartrate

07240	GABA	15238	BSTFA + 1% TMCS	69480	N-Methyl-N-trimethylsilyl-acetamide
07710	Gabaculin	15248	BSU	69482	N-Methyl-N-trimethylsilyltri-fluoroacetamide
49450	L-Glutamic acid	15225	BTFA	69480	MSA
50050	Glycine	19025	S(+)-2-Butanol	69482	MSTFA
51055	Guanosine 3',5'-cyclophosphate monosodium salt	19026	R(-)-2-Butanol	25455	NBD chloride
51060	Guanosine-3',5'-cyclophosphoric acid	19667	Butylboronic acid	73170	4-Nitrobenzyl bromide
53290	Histamine	19905	tert-Butyldimethylchlorosilane	17670	4-Nitrophenacyl bromide
53300	Histamine dihydrochloride	19938	tert-Butyldiphenylchlorosilane	73700	4-Nitrophenylhydrazine
53310	Histamine diphosphate monohydrate	39900	Chlorodimethylsilane	73830	N-Nitroso-β-ethylamino isobutyl methyl ketone
53640	N-Homoveratroyl-homoveratrylamine	25117	Chloromethyldimethylchlorosilane	73840	N-Nitroso-N-ethylurea
53660	Homoveratrylamine	25455	4-Chloro-7-nitrobenzofurazane	74863	S(+)-2-Octanol
55241	6-Hydroxydopamine hydrochloride	16617	4-Chlorophenacyl bromide	74865	R(-)-2-Octanol
74980	DL-1-(4-Hydroxyphenyl)-2-amino-ethanol hydrochloride	92360	Chlorotrimethylsilane	76690	2,3,4,5,6-Pentafluoro-benzaldehyde
85030	5-Hydroxytryptamine creatinesulfate	39220	Dansylchloride	76732	2,3,4,5,6-Pentafluorobenzoyl chloride
85040	5-Hydroxytryptamine hydrogen-maleate	30434	Dansylhydrazine	17910	2,3,4,5,6-Pentafluorobenzyl bromide
85050	5-Hydroxytryptamine hydrogenoxalate	73830	Diazoethane precursor	76735	O-(2,3,4,5,6-Pentafluorobenzyl) hydroxylamine hydrochloride
56610	3-Hydroxytyramine hydrochloride	73840	Diazoethane precursor	76750	Pentafluorophenyldimethyl-chlorosilane
59650	N-Isopropyl-DL-noradrenaline hydro-chloride	73970	Diazomethane precursor	76755	Pentafluorophenyl isothiocyanate
59650	DL-Isoproterenol hydrochloride	17970	4,ω-Dibromoacetophenone	77253	Perfluorobutyryl anhydride
37862	α-Methyl-L-DOPA	40140	Dichlorodimethylsilane	77254	Perfluorobutyric chloride
69577	α-Methyl-DL-tyrosine	36510	1,3-Dichloro-1,1,3,3-tetrafluoroacetone	77292	Perfluoropropionic anhydride
70015	Muscimol	36675	N,N'-Dicyclohexyl-O-methylisourea	77295	Perfluoropropionyl chloride
74460	L-Noradrenaline	32575	(Diethylamino)trimethylsilane	77292	PFPA
74470	DL-Noradrenaline	66638	N,N'-Diisopropyl-O-methylisourea	77450	Phenacyl bromide
74480	L-Noradrenaline hydrochloride	39220	5-Dimethylamino-1-naphthalene-sulfonyl chloride	78181	Phenylboric acid
74490	DL-Noradrenaline hydrochloride	30434	5-Dimethylamino-1-naphthalene-sulfonylhydrazide	77971	S(-)-1-Phenylethyl isocyanate
74500	L-Noradrenaline L-hydrogentartrate	39250	4-Dimethylamino-1-naphthylisothio-cyanate	77973	R(+)-1-Phenylethyl isocyanate
74460	L-Norepinephrine	41720	(Dimethylamino)trimethylsilane	78670	Phenylhydrazine
74470	DL-Norepinephrine	39900	Dimethylchlorosilane	78910	4-Phenylphenacyl bromide
74480	L-Norepinephrine hydrochloride	40140	Dimethyldichlorosilane	79670	Phthalaldehyde
74490	DL-Norepinephrine hydrochloride	40254	N,N-Dimethylformamide diallyl acetal	80903	Pivalic anhydride
74500	L-Norepinephrine L-hydrogentartrate	40260	N,N-Dimethylformamide dibenzyl acetal	80910	Pivaloyl chloride
74980	DL-Octopamine hydrochloride	40262	N,N-Dimethylformamide dibutyl acetal	19905	TBDMSCl
85030	Serotonin creatinesulfate	40263	N,N-Dimethylformamide di-tert-butyl acetal	87732	Tetramethylammonium hydroxide 25% in Methanol
85040	Serotonin hydrogenmaleate	40252	N,N-Dimethylformamide diethyl acetal	87830	1,1,3,3-Tetramethyldisilazane
85050	Serotonin hydrogenoxalate	40264	N,N-Dimethylformamide diisopropyl acetal	91720	TFAA
85965	Substance P	40271	N,N-Dimethylformamide dimethyl acetal	91675	TFAI
86330	Taurine	40281	N,N-Dimethylformamide dineopentyl acetal	88300	2-Thenoyltrifluoroacetone
55241	2,4,5-Trihydroxyphenethylamine hydrochloride	40283	N,N-Dimethylformamide dipropyl acetal	89055	2-Thiothenoyltrifluoroacetone
93810	Tyramine	40251	N,N-Dimethylformamide ethylene acetal	92360	TMCS
93820	Tyramine hydrochloride	40285	N,N-Dimethylformamide trimethylene acetal	87830	TMDS

Chromatography

Derivatizing Agents for Chromatography

00805	(-)-3β-Acetoxy-5-etienic acid	40680	N,N-Dimethylhydrazine	91090	Trichloroacetyl chloride
01194	1-Acetylimidazole	42030	3,5-Dinitrobenzoyl chloride	91120	2,2,2-Trichloroethanol
05940	Allyldimethylchlorosilane	42080	2,4-Dinitrofluorobenzene	23258	2,2,2-Trichloroethyl chloroformate
07060	3-Aminobenzotrifluoride	42210	2,4-Dinitrophenylhydrazine	90383	Triethylchlorosilane
09324	3-Aminopropyltriethoxysilane	43340	1,3-Diphenyl-1,1,3,3-tetramethyl-disilazane	90520	Triethyloxonium tetrafluoroborate
78181	Benzeneboronic acid	39900	DMCS	91680	1,1,1-Trifluoroacetone
13455	O-Benzylhydroxylamine hydrochloride	73830	2-Ethylamino-2-methyl-N-nitroso-4-pentanone	91720	Trifluoroacetic anhydride
13455	Benzoyloxylamine hydrochloride	23131	Ethyl chloroformate	91674	α,α,α-Trifluoroacetylacetone
14660	1,3-Bis(chloromethyl)-1,1,3,3-tetra-methyldisilazane	91734	Ethyl trifluoromethanesulfonate	91675	1-(Trifluoroacetyl)imidazole
15225	Bistrifluoroacetamide	92756	Ethyl trimethylsilylacetate	91690	2,2,2-Trifluoroethanol
15241	N,O-Bis(trimethylsilyl)acetamide	76750	Flophemesyl chloride	07060	3-Trifluoromethylbenzylamine
15236	N,O-Bis(trimethylsilyl)carbamate	46950	Fluorescein isothiocyanate	91840	4-Trifluoromethylbenzoyl chloride
15247	N,N-Bis(trimethylsilyl)formamide	77253	Heptafluorobutyric anhydride	91674	1,1,1-Trifluoro-2,4-pentanedione
15235	N,N-Bis(trimethylsilyl)methylamine	15235	Heptamethyldisilazane	07060	α,α,α-Trifluoro-m-toluidine
15243	N,O-Bis(trimethylsilyl)trifluoro-acetamide	52503	Hexafluoroacetylacetone	92337	Trimethylbromosilane
15238	N,O-Bis(trimethylsilyl)trifluoro-acetamide with 1% Trimethyl-chlorosilane	52619	Hexamethyldisilazane	92360	Trimethylchlorosilane
15248	N,N'-Bis(trimethylsilyl)urea	52630	Hexamethyldisiloxane	92605	Trimethyloxonium tetrafluoroborate
15690	Boron tribromide	52643	Hexamethyldisilthiane	92745	N-Trimethylsilylacetamide
15706	Boron trichloride	77253	HFBA	92753	Trimethylsilylazide
15712	Boron trifluoride	52619	HMDS	32575	N-Trimethylsilyldiethylamine
15720	Boron trifluoride ethyl etherate	52630	HMDSO	41720	N-Trimethylsilyldimethylamine
15715	Boron trifluoride 10% in Methanol	67690	Iodomethane	92751	1-Trimethylsilylimidazole
77450	ω-Bromoacetophenone	23191	Isobutyl chloroformate	64296	Trimethylsilyl methanesulfonate
16450	4-Bromobenzoyl chloride	65945	MBTFA	92758	S-Trimethylsilyl methyl mercaptan
16460	4-Bromobenzyl bromide	63660	Menthol	92758	Trimethylsilyl methyl sulfide
16617	ω-Bromo-4-chloroacetophenone	67546	Methoxyamine hydrochloride	91741	Trimethylsilyl trifluoromethane-sulfonate
17615	Bromomethyldimethylchlorosilane	18790	4-Methylbenzyl bromide		
17670	ω-Bromo-4-nitroacetophenone	65945	N-Methyl-bistrifluoroacetamide		
17910	α-Bromo-2,3,4,5,6-pentafluorotoluene	36675	O-Methyl-N,N'-dicyclohexylisourea		
17970	4-Bromophenacyl bromide	66638	O-Methyl-N,N'-diisopropylisourea		
78910	ω-Bromo-4-phenylacetophenone	67546	O-Methylhydroxylamine hydrochloride		
92337	Bromotrimethylsilane	67690	Methyl iodide		
18790	α-Bromo-p-xylene	73970	N-Methyl-N-nitroso-p-toluene-sulfonamide		
15241	BSA	92758	(Methylthio)trimethylsilane		
15243	BSTFA	69428	3-Methyl-1-(4-tolyl)-triazene		
		69450	Methyltrichlorosilane		
		91736	Methyl trifluoromethanesulfonate		

Reference Substances for GLC

Hydrocarbons	
12540	Benzene
19600	Butylbenzene
19620	sec.-Butylbenzene
19640	tert.-Butylbenzene
28220	Cumene
28920	Cyclohexane
29680	Cyclopentane
30540	Decane
95660	1,2-Dimethylbenzene
95670	1,3-Dimethylbenzene
95680	1,4-Dimethylbenzene

39760	2,3-Dimethyl-butane
41090	2,4-Dimethyl-pentane
44010	Dodecane
51730	Heptane
52750	Hexane
52930	1-Hexene
52955	cis-2-Hexene
59030	Isooctane
59060	Isopentane
59240	Isoprene
59240	2-Methyl-1,3-butadiene
59060	2-Methylbutane
66030	2-Methyl-1-butene
66050	2-Methyl-2-butene
66070	3-Methyl-1-butene
66490	Methylcyclopentane
68310	2-Methylpentane
68320	3-Methylpentane
68450	2-Methyl-1-pentene
68510	4-Methyl-1-pentene
68520	cis-4-Methyl-2-pentene
74250	Nonane
74820	Octane
74900	1-Octene
76870	Pentane
76970	1-Pentene
82540	Pseudocumene
89680	Toluene
91490	Tridecane
82540	1,2,4-Trimethylbenzene
59030	2,2,4-Trimethylpentane
92610	2,3,4-Trimethylpentane
92670	2,3,3-Trimethyl-1-pentene
94000	Undecane
94950	4-Vinyl-1-cyclohexene
95660	o-Xylene
95670	m-Xylene
95680	p-Xylene

Fatty acids and methyl esters

21529	Caproic acid	(C6)
21599	Methyl caproate	
21639	Caprylic acid	(C8)
21719	Methyl caprylate	
21409	Capric acid	(C10)
21479	Methyl caprate	
61609	Lauric acid	(C12)
61689	Methyl laurate	
70079	Myristic acid	(C14)
70129	Methyl myristate	
76119	Palmitic acid	(C16)
76159	Methyl palmitate	
76169	Palmitoleic acid	(C16:1)
76176	Methyl palmitoleate	
85679	Stearic acid	(C18)
85769	Methyl stearate	
45089	Elaidic acid	(C18:1)
45119	Methyl elaidate	
75090	Oleic acid	(C18:1)
75160	Methyl oleate	
62230	Linoleic acid	(C18:2)
62280	Methyl linoleate	
62160	Linolenic acid	(C18:3)
62200	Methyl linolenate	
11909	Behenic acid	(C22)
11940	Methyl behenate	
45629	Erucic acid	(C22:1)
45659	Methyl erucate	

Stationary Phases for GLC:

Hydrocarbons

10801	Apiezon L®
85629	Squalane for GLC

Boranes

31382	Dexsil 300
31383	Dexsil 400
31384	Dexsil 410

Polyesters

03775	Ethylene glycol adipate
03845	Ethylene glycol sebacate
03847	Ethylene glycol succinate
19015	Butane-1,4-diol succinate
32180	Diethylene glycol adipate
32182	Diethylene glycol adipate crosslinked with pentaerythritol
32286	Diethylene glycol sebacate
32288	Diethylene glycol succinate
72143	Neopentyl glycol adipate
72144	Neopentyl glycol sebacate
72146	Neopentyl glycol succinate

Polyethers

21862	Carbowax 400 for GLC
21863	Carbowax 1540 for GLC
21840	Carbowax 20000 for GLC
85543	SP-1000
93972	Ucon LB-550-X

Silicones

85377	Silicon DC-200
85378	Silicon DC-550
85380	Silicon OV-1
85381	Silicon OV-17
85382	Silicon OV-25
85383	Silicon OV-101
85384	Silicon OV-225
85385	Silicon OV-275

Pluronics

81112	Pluronic® F 68
81113	Pluronic® L 61
81114	Pluronic® L 64

Supports and Adsorbents for GLC

Supports

27115	Chromosorb G/AW-DMCS 80–100 mesh
27116	Chromosorb G/AW-DMCS 60–80 mesh
27117	Chromosorb G/HP AW-DMCS 100–120 mesh
27118	Chromosorb G/HP AW-DMCS 80–100 mesh
27119	Chromosorb W/AW 100–120 mesh
27120	Chromosorb W/AW 80–100 mesh
27121	Chromosorb W/AW 60–80 mesh
27122	Chromosorb W/AW-DMCS 100–120 mesh
27123	Chromosorb W/AW-DMCS 80–100 mesh
27124	Chromosorb W/AW-DMCS 60–80 mesh
27126	Chromosorb W/HP AW-DMCS 100–120 mesh
27127	Chromosorb W/HP AW-DMCS 80–100 mesh
27128	Chromosorb T 40–60 mesh

Adsorbents:

06300	Alumina Fluka 507 C
69847	Molecular Sieve Typ 5 A
69856	Molecular Sieve Typ 13 X

Solvents for HPLC

00692	Acetonitrile HPLC
12549	Benzene HPLC
20247	tert.-Butyl methyl ether HPLC
25685	Chloroform HPLC
28931	Cyclohexane HPLC
31675	Diethyl ether HPLC
42505	Dioxane HPLC
02855	Ethanol HPLC
45763	Ethyl acetate HPLC
51742	Heptane HPLC
52762	Hexane HPLC
59042	Isooctane HPLC
59307	Isopropanol HPLC
59379	Isopropyl chloride HPLC
65541	Methanol HPLC
45999	Methyl acetate HPLC
66746	Methylene chloride HPLC
76875	Pentane HPLC
87367	Tetrahydrofuran HPLC
89683	Toluene HPLC

Reagents for TLC

00700	Acetaldehyde anhydrous
45830	Acetic anhydride
00900	Acetylacetone
05560	Alizarin
05600	Alizarin Red S
06220	Aluminum chloride anhydrous
06800	4-Aminoantipyrine
06930	4-Aminobenzoic acid
07110	2-Aminobiphenyl
07770	4-Amino-N,N-dimethylaniline dihydrochloride
06800	4-Amino-2,3-dimethyl-1-phenyl-3-pyrazolin-5-one
42810	2-Aminoethyl diphenylborinate
08090	4-Aminohippuric acid
09110	2-Aminophenol
09700	Ammonium chloride

09731	Ammonium ferric sulfate
09860	Ammonium hydroxide ~25% in water
09880	Ammonium molybdate
09940	Ammonium rhodanide
09980	Ammonium sulfate
09940	Ammonium thiocyanate
10400	Aniline
10440	Anisaldehyde
10490	p-Anisidine
10740	Anthrone
10774	Antimony(III) chloride
11360	Aurintricarboxylic acid ammonium salt
11760	Barium chloride
12115	Benzidine
12309	1,4-Benzoquinone
14454	2,2'-Bipyridine
95376	Bismuth(III) carbonate
95377	Bismuth(III) chloride
59379	Bismuth(III) nitrate
15660	Boric acid
16020	Brilliant Green
16040	Bromine
17470	Bromocresol Green
17490	Bromocresol Purple
18030	Bromophenol Blue
18350	N-Bromosuccinimide
18460	Bromothymol Blue
20850	Cacotheline
20901	Cadmium acetate dihydrate
21790	Carbazole
22000	Carmine
22250	Cerium(IV) ammonium nitrate
22270	Cerium(IV) ammonium sulfate
22420	Cerium(III) sulfate anhydrous
22440	Cerium(IV) sulfate tetrahydrate
23270	Chloramine T
24430	1-Chloro-2,4-dinitrobenzene
25870	Chlorophenol Red
26390	Chlorosulfonic acid
27150	Chromotropic acid disodium salt dihydrate
96320	Cinnamaldehyde
27490	Citric acid monohydrate
60820	Cobalt(II) chloride hexahydrate
60833	Cobalt(III) nitrate
27690	sym.-Collidine
27910	Creatinine
61135	Crystal Violet
61145	Cupric acetate
61173	Cupric chloride anhydrous
61197	Cupric nitrate
61240	Cupric sulfate pentahydrate *
16770	Cyanogen bromide
30120	L-Cysteine hydrochloride anhydrous
39220	Dansyl chloride
31535	1,2-Diacetylbenzene
31536	1,4-Diacetylbenzene
32780	3,5-Diaminobenzoic acid dihydrochloride
32980	2,7-Diaminofluorene
33430	o-Dianisidine
34080	2,6-Dibromoquinone-4-chloroimide
35620	2,6-Dichloroquinone-4-chloroimide
35850	4',5'-Dichlorofluorescein
36180	2,6-Dichlorophenolindophenol sodium salt
31730	Diethylamine
63320	Diethyl malonate
70382	3,4-Dihydro-3,4-dioxo-1-naphthalene-sulfonic acid sodium salt
37513	2,4-Dihydroxybenzaldehyde
33430	3,3'-Dimethoxybenzidine
40300	4-Dimethylaminoazobenzene
39070	4-Dimethylaminobenzaldehyde
39090	4-Dimethylaminobenzylidenethiodaniline
39421	4-Dimethylaminocinnamaldehyde
39220	5-Dimethylamino-1-naphthalene-sulfonyl chloride
38490	5,5-Dimethyl-1,3-cyclohexanedione
40250	N,N-Dimethylformamide
07770	N,N-Dimethyl-1,4-phenylenediamine dihydrochloride
40300	Dimethyl Yellow
41950	3,5-Dinitrobenzoic acid
41980	1,3-Dinitrobenzene
42080	2,4-Dinitrofluorobenzene
42210	2,4-Dinitrophenylhydrazine
42260	3,5-Dinitrosalicylic acid
42750	Diphenylamine
42860	sym.-Diphenylcarbazide
42870	Diphenylcarbazone
43180	2,2-Diphenyl-1-picryl hydrazyl

14454	2,2'-Dipyridyl	60260	Potassium hexachloroplatinate(IV)	27580	Aneurine pyrophosphoric acid
43800	Dithiooxamide	60280	Potassium hexacyanoferrate(II)	95210	L-Ascorbic acid
43820	Dithizone	60300	Potassium hexacyanoferrate(III)	76183	«Ascorbyl palmitate»
03550	Ethylenediamine anhydrous	60370	Potassium hydroxide	02080	5'-ATP
77699	Ethyleneglycol monophenyl ether	60400	Potassium iodide	02060	5'-ATP-Na ₂
72640	2-Ethylnitrobenzene	60460	Potassium permanganate	14400	D(+)-Biotin
44660	Fast Blue B Salt	82702	Pyridine	20819	S-Butyrylthiocholine iodide
44943	Ferric chloride	82960	1-(2-Pyridylazo)-2-naphthol	95220	Calciferol
44970	Ferrous sulfate	83370	Quercetin dihydrate	21210	Calcium D-pantothenate
44995	Ferrous sulfide	22570	Quinalizarin	22020	DL-Carnitine chloride
46350	Fisetin	22630	Quinine hydrochloride	22040	trans-β-Carotene synth. cryst.
15590	Fluoroboric acid ~50% in water	55070	8-Quinolinol	30290	CDP-choline-Na
47614	Fluorescamine	12309	Quinone	95230	Cholecalciferol cryst.
46920	Fluorescein	83600	Resorcinol	26970	Choline 50% in water
46930	Fluoresceinamine	83690	Rhodamine B	26972	Choline 45% in methanol
46960	Fluorescein sodium	83700	Rhodanine	26980	Choline chloride
47614	Fluram Roche	71940	Rhodizonic acid sodium salt	27005	Choline iodide
47630	Formaldehyde	43800	Rubeanic acid	27580	Cocarcboxylase tetrahydrate
47860	Fuchsine	85230	Silver nitrate	82870	Codecarboxylase
47870	L(-)-Fucose	71193	Sodium acetate trihydrate	43410	Coenzyme I
49140	D(+)-Glucose anhydrous	71287	Sodium (meta)arsenite	43420	Coenzyme I red.
50680	Glyoxal-bis-(2-hydroxyanil)	71290	Sodium azide	93210	Coenzyme II
43450	2,2',4,4',6,6'-Hexanitrodiphenylamine	71350	Sodium carbonate	93220	Coenzyme II red.
53900	Hydrazine sulfate	71380	Sodium chloride	27590	Coenzyme A, CoA
84420	Hydrochloric acid	71408	tri-Sodium citrate	27593	Coenzyme A disodium salt
84742	Hydrogen sulfide	71430	Sodium cyanide	27594	Coenzyme A trilithium salt
95300	Hydrogen peroxide	71490	Sodium dichromate	27591	Coenzyme B ₁₂
54590	4-Hydroxybenzaldehyde	71500	Sodium dihydrogenphosphate	63705	Coenzyme M, HS-CoM
60890	5-Hydroxy-2-hydroxymethyl-γ-pyrone	71630	Sodium hydrogencarbonate	27595	Coenzymе Q ₁₀
55460	Hydroxylamine hydrochloride	71690	Sodium hydroxide	95190	Cyanocobalamine
57650	Iodine	71700	Sodium hyposulfite monohydrate	30290	Cytidine 5'-diphosphocholine sodium salt
58240	Isatin	71750	Sodium methylate		
58980	Isonicotinic hydrazide	71756	Sodium molybdate	30790	Dehydro-L(+)-ascorbic acid
60890	Kojic acid	71760	Sodium nitrite	30800	7-Dehydrocholesterol
15317	Lead(II) acetate basic anhydrous	71780	Sodium nitroprusside	95230	7-Dehydrocholesterol activated
15319	Lead(II) acetate trihydrate	71860	Sodium (meta)periodate	72370	N,N-Diethylnicotinamide
15370	Lead tetraacetate	71880	Sodium peroxide	43420	Dihyronicotinamide adenine dinucleotide disodium salt, NADH ₂ -Na ₂
62530	Lithium hydroxide monohydrate	71940	Sodium rhodizionate		
62613	Lithium sulfate	72002	Sodium tetraborate	93220	Dihyronicotinamide adenine dinucleotide phosphate tetrasodium salt, NADPH ₂ -Na ₄
63047	Magnesium acetate	72020	Sodium tetraphenylborate		
63062	Magnesium carbonate	72051	Sodium thiosulfate	43410	Diphosphopyridine nucleotide, DPN
83360	Mercury	72070	Sodium tungstate	43420	Diphosphopyridine nucleotide reduced disodium salt, DPNH ₂ -Na ₂
83363	Mercurous nitrate	96530	Stannous chloride	62320	6,8-Dithio-n-octanoic acid
83366	Mercuric chloride	86060	Sulfanilamide	43410	DPN
83367	Mercuric iodide red	86090	Sulfanilic acid	43420	DPNH ₂ -Na ₂
83368	Mercuric oxide yellow	86195	5-Sulfosalicylic acid	45300	(-)-Epicatechin
83369	Mercuric nitrate	84720	Sulfuric acid	95220	Ergocalciferol cryst.
10490	4-Methoxyaniline	95310	L(+)-Tartaric acid	45480	Ergosterol
64720	2-Methoxyethanol	87120	Tetracyanoethylene	95220	Ergosterol irradiated
72700	4-Methoxy-2-nitroaniline	22570	1,2,5,8-Tetrahydroxyanthraquinone	46360	FAD-Na ₂
87800	4,4'-Methylenebis-(N,N-dimethyl-aniline)	87748	3,3',5,5'-Tetramethylbenzidine	46360	Flavin adenine dinucleotide disodium salt, FAD-Na ₂
		88190	Tetrazolium Blue chloride	83810	Flavin mononucleotide sodium salt, FMN-Na
66720	Methylene Blue	88481	2-Thiobarbituric acid	83810	FMN-Na
68740	3-Methyl-1-phenyl-2-pyrazolin-5-one	89330	Thymol	47620	Folic acid
69130	Methyl Red	89340	Thymol Blue	49750	γ-L-Glutamyl-L-cysteinyl-glycine
69580	β-Methylumbelliferone	89580	o-Tolidine	49740	L-Glutathione oxidized, GSSG
40300	Methyl Yellow	89760	Toluene-4-sulfonic acid monohydrate	49750	L-Glutathione reduced, GSH
79560	Molybdophosphoric acid	91230	Trichloroacetic acid	49750	GSH
69870	Morin	91700	Trifluoroacetic acid	49740	GSSG
70440	1-Naphthol (α)	93140	2,3,5-Triphenyltetrazolium chloride	51240	Hematoporphyrin
70650	Naphthoresorcinol	94260	Uranyl acetate	51250	Hematoporphyrin dihydrochloride
70731	1-Naphthylamine	51460	Urea	51280	Hemin (chloride)
70720	N-(1-Naphthyl)ethylenediamine dihydrochloride	95120	Violuric acid	95200	Hydroxycobalamine hydrochloride cryst.
72490	Ninhydrin	94750	Vanillin	55200	D(-)-2-Hydroxy-3,3-dimethylbutyro-lactone
72680	4-Nitroaniline	95580	Xanthidrol	55201	DL-2-Hydroxy-3,3-dimethylbutyro-lactone
72700	3-Nitro-p-anisidine	96453	Zinc	26980	2-Hydroxyethyltrimethylammonium chloride
71780	Nitroprusside sodium	96458	Zinc acetate	82860	3-Hydroxy-5-hydroxymethyl-2-methyl-isonicotinaldehyde
75420	Orcine Monohydrate	96470	Zinc chloride	57570	i-Inositol, meso-Inositol, myo-Inositol
76050	Palladium chloride anhydrous	96610	Zirconyl chloride	58970	Isonicotinamide
76240	Paraformaldehyde			58930	Isonicotinic acid
77232	Perchloric acid			95170	Lactoflavin
77610	Phenol			62330	DL-α-Lipoamide
77699	2-Phenoxyethanol			62320	DL-α-Lipoic acid
78410	o-Phenylenediamine			62680	Lumiflavine
78430	p-Phenylenediamine			67920	Menadiol diacetate
78450	m-Phenylenediamine dihydrochloride			67900	Menadione
78460	p-Phenylenediamine dihydrochloride			63705	2-Mercaptoethanesulfonic acid sodium salt, HS-CoM
78670	Phenylhydrazine			64380	DL-Methignine-S-methylsulfonium bromide
79330	Phloroglucinol			64382	DL-Methionine-S-methylsulfonium chloride
79560	Phosphomolybdic acid				
79620	ortho-Phosphoric acid				
79760	Phthaldialdehyde				
80010	Phthalic acid				
80450	Picric acid				
80540	Pinacryptol Yellow				
80630	Piperazine hexahydrate				
60086	Potassium bromate				
60095	Potassium bromide				
60109	Potassium carbonate				
60180	Potassium cyanide				
60190	Potassium dichromate				
		</			

67920 2-Methyl-1,4-naphthohydroquinone diacetate
 67900 2-Methyl-1,4-naphthoquinone
 95271 2-Methyl-3-phytyl-1,4-naphthoquinone
 43410 β -NAD
 43420 β -NADH₂-Na₂
 93220 β -NADPH₂-Na₄
 93210 β -NADP-Na
 72310 Niacin
 72340 Nicotinamide, Niacinamide
 43410 β -Nicotinamide adenine dinucleotide, β -NAD
 43420 β -Nicotinamide adenine dinucleotide reduced disodium salt, β -NADH₂-Na₂
 93210 β -Nicotinamide adenine dinucleotide phosphate sodium salt, β -NADP-Na
 93220 β -Nicotinamide adenine dinucleotide phosphate reduced tetrasodium salt, β -NADPH₂-Na₄
 72342 β -Nicotinamide mononucleotide, β -NMN
 72310 Nicotinic acid
 72410 Nicotinic acid potassium salt
 72423 Nicotinic acid sodium salt
 72342 β -NMN
 06930 PABA
 76183 6-O-Palmitoyl-L-ascorbic acid
 76210 D-Pantothenic acid, 10% in water
 21210 D-Pantothenic acid calcium salt
 76200 D-Pantothenol, D-Pantothenyl alcohol
 55200 D(-)-Pantolactone
 55201 DL-Pantolactone
 80810 Phytic acid, 40% in water
 95271 3-Phytolmenadione
 72410 Potassium nicotinate
 22040 Provitamin A
 45480 Provitamin D₂
 30800 Provitamin D₃
 47620 Pteroylglutamic acid
 72310 Pyridine-3-carboxylic acid
 58930 Pyridine-4-carboxylic acid
 72340 Pyridine-3-carboxylic acid amide
 58970 Pyridine-4-carboxylic acid amide
 28920 Pyridine-3-thiocarboxylic acid amide
 82860 Pyridoxal hydrochloride
 82870 Pyridoxal 5'-phosphate free acid
 82880 Pyridoxamine dihydrochloride
 95180 Pyridoxine hydrochloride
 84080 Quercetin-3- β -D-rutinoside
 95142 Retinal
 95152 Retinoic acid
 95144 all-trans-Retinol cryst.
 95140 Retinyl acetate
 95150 Retinyl palmitate
 95170 Riboflavin
 46360 Riboflavin 5'-adenosinediphosphate disodium salt, FAD-Na₂
 83810 Riboflavin 5'-monophosphate sodium salt, FMN-Na
 84080 Rutin
 63705 Sodium 2-mercaptoethanesulfonate
 72423 Sodium nicotinate
 87355 L-Tetrahydrofolic acid dihydrochloride
 95160 Thiamine hydrochloride
 27580 Thiamine pyrophosphoric acid tetrahydrate
 62320 DL-6,8-Thioctic acid
 62330 DL-6,8-Thioctic acid amide
 88920 Thionicotinamide
 95240 DL- α -Tocopherol
 89550 (+)- α -Tocopherol natural
 95250 DL- α -Tocopheryl acetate
 91890 Trigonelline hydrochloride
 93210 Triphosphopyridine nucleotide sodium salt, TPN-Na
 93220 Triphosphopyridine nucleotide reduced tetrasodium salt, TPNH₂-Na₄
 93220 TPNH₂-Na₄
 93210 TPN-Na
 27595 Ubiquinone-50
 95144 Vitamin A
 95140 Vitamin A acetate
 95152 Vitamin A acid
 95144 Vitamin A alcohol
 95142 Vitamin A aldehyde
 95150 Vitamin A palmitate
 72310 Vitamin B
 95160 Vitamin B₁
 95170 Vitamin B₂
 01830 Vitamin B₄
 76210 (Vitamin B₆)
 95180 Vitamin B₉

95190 Vitamin B₁₂
 95200 Vitamin B_{12b}
 10050 Vitamin B₁₇
 22020 Vitamin B₇
 95210 Vitamin C
 95220 Vitamin D₂
 95230 Vitamin D₃
 95240 Vitamin E
 95250 Vitamin E acetate
 95260 Vitamin F
 95270 Vitamin F ethyl ester
 14400 Vitamin H
 95271 Vitamin K₁
 67900 Vitamin K₃
 67920 Vitamin K₄ diacetate
 84080 Vitamin P
 72340 Vitamin PP
 64380 Vitamin U

Detergents FLUKA

Anionic Detergents

71240 Alginic acid sodium salt
 06270 Aluminum monostearate
 86140 Bis(2-ethylhexyl) sulfosuccinate sodium salt
 71340 Caprylic acid sodium salt
 27030 Cholic acid sodium salt
 60830 Cobalt naphthenate
 30635 Decanesulfonic acid sodium salt
 30850 Dehydrocholic acid sodium salt
 30970 Deoxycholic acid sodium salt
 44200 Dodecylbenzenesulfonic acid sodium salt
 50545 Glycocholic acid sodium salt
 51835 Heptanesulfonic acid sodium salt
 52865 Hexanesulfonic acid sodium salt
 60830 Naphthenic acid cobalt salt
 74885 Octanesulfonic acid sodium salt
 76955 Pentanesulfonic acid sodium salt
 60420 Potassium oleate
 71729 SDS
 71240 Sodium alginate
 71340 Sodium caprylate
 27030 Sodium cholate
 30635 Sodium decanesulfonate
 30850 Sodium dehydrocholate
 30970 Sodium deoxycholate
 44200 Sodium dodecylbenzenesulfonate
 71729 Sodium dodecyl sulfate
 50545 Sodium glycocholate
 86451 Sodium heptadecyl sulfate
 51835 Sodium heptanesulfonate
 52856 Sodium hexanesulfonate
 71729 Sodium lauryl sulfate
 74885 Sodium octanesulfonate
 76955 Sodium pentanesulfonate
 86339 Sodium taurocholate
 86339 Taurocholic acid sodium salt
 86350 Teepol (Shell)
 86450 Tergitol NPX
 86451 Tergitol 7

Cationic Detergents

12060 Benzalkonium chloride
 13400 Benzyldimethylhexadecylammonium chloride
 52340 Cetylpyridinium bromide
 52349 Cetylpyridinium chloride
 52370 Cetyltrimethylammonium bromide
 53753 Diisobutylcresoxyethoxyethyl-dimethylbenzylammonium chloride
 53752 Diisobutylphenoxyethoxyethyl-dimethylbenzylammonium chloride
 52340 Hexadecylpyridinium bromide
 52349 Hexadecylpyridinium chloride
 52370 Hexadecyltrimethylammonium bromide
 52372 Hexadecyltrimethylammonium chloride
 53752 Hyamine 1622®
 53753 Hyamine 10-X®

Ampholytic Detergents

40234 N,N-dimethyldodecylamine-N-oxide, LDAO
 42557 DL- β , γ -Dipalmitoyl- α -lecithin
 40234 LDAO
 61755 Lecithin from eggs
 76186 DL- γ -Palmitoyl- α -lysolecithin

Non ionic Detergents

16005 Brij® 35
 93421 Ethylphenylpolyethylene glycol
 74385 Ethylphenylpolyethylene glycol NP 40
 49960 1-Glycerol monooleate
 49960 Monoolein
 74385 Nonidet® P40
 93417 Nonylphenylpolyethylene glycol
 93425 Octylphenylpolyethylene glycol
 81112 Pluronic F68
 81113 Pluronic L61
 81114 Pluronic L64
 16005 Polyoxyethylene laurylether
 93773 Polyoxyethylene sorbitanmonolaurate
 93780 Polyoxyethylene sorbitanmonooleate
 93775 Polyoxyethylene sorbitanmono-palmitate
 93776 Polyoxyethylene sorbitanmonostearate
 93783 Polyoxyethylene sorbitantrioleate
 93778 Polyoxyethylene sorbitantristearate
 85544 Sorbitan monolaurate
 85548 Sorbitan monooleate
 85545 Sorbitan monopalmitate
 85546 Sorbitan monostearate
 85549 Sorbitan trioleate
 85597 Sorbitan tristearate
 85544 Span 20®
 85545 Span 40®
 85546 Span 60®
 85547 Span 65®
 85548 Span 80®
 85549 Span 85®
 93417 Triton® N-101
 93420 Triton® X-100
 93421 Triton® X-114
 93425 Triton® X-405
 93773 Tween® 20
 93775 Tween® 40
 93776 Tween® 60
 93778 Tween® 65
 93780 Tween® 80
 93783 Tween® 85

Electron Microscopy

00540 Acetoin dimer
 00560 Acetone
 84600 Acid Fuchsin
 01660 Acridine Orange
 01679 Acrolein
 01710 Acrylonitrile
 01810 Actidione
 05039 Agar-Agar
 05495 Albumose Silver
 05500 Alcian Blue 8 GS
 05959 Allyl glycidyl ether
 06425 Amberlyst A 26, Cl-form
 93350 2-Amino-2-hydroxymethyl-1,3-propanediol
 09690 Ammonium acetate
 09750 Ammonium hexachloroosmate (IV)
 09800 Ammonium hexachlororuthenate (IV)
 09880 Ammonium molybdate(VI)
 79561 Ammonium-12-molybdophosphate
 09920 Ammonium peroxydisulfate
 10040 Ammonium (para) tungstate
 10030 Ammonium (meta) vanadate
 46022 Amyl acetate
 10415 Aniline hydrochloride
 10951 Araldite M
 10952 Araldite 964 (DY 064)
 10953 Araldite HY 964
 11630 α,α' -Azo-isobutyronitrile
 11665 Azure A
 11660 Azure B
 11670 Azure II
 11690 Azure II Eosine
 60610 Balsam Canadian
 13370 BDMA
 12510 Benzoin
 12512 Benzoin ethyl ether
 33581 Benzoyl peroxide
 13370 N-Benzyltrimethylamine
 14353 Bicyclo[2,2,1] hept-5-ene-2,3-dicarboxylic anhydride
 32750 3,3',4,4'-Biphenyltetramine tetrahydrochloride
 14825 Bis(4-fluoro-3-nitrophenyl)sulfone
 95379 Bismuth (III) nitrate basic
 95373 Bismuth metal

95379	Bismuthoxy nitrate hydrate	93331	DMP-30	15370	Lead tetraacetate
88190	Blue Tetrazolium(chloride), BT	44161	2-Dodecenylsuccinic anhydride, DDSA	63047	Magnesium acetate
16020	Brilliant Green	64151	Dodecyl methacrylate	63065	Magnesium chloride hexahydrate
18030	Bromophenol Blue	44600	Durcupan FLUKA, water soluble	63160	Malachite Green
88190	BT	44610	Durcupan FLUKA ACM	63180	Maleic acid
19010	1,4-Butanediol dimethacrylate	03610	EDTA	83366	Mercuric chloride
27980	trans-2-Butenal	45345	Epon Resin 812	79120	Mercuric phenylacetate
20400	2-Butoxyethanol	45346	Epon Hardener	65540	Methanol
45860	n-Butyl acetate	45348	Epon Accelerator	64030	Methacrolein
19460	tert-Butyl alcohol	77950	Epoxyethylbenzene	64050	Methacrylic acid monomer
20400	Butyl cellosolve	19930	1,2-Epoxybutane	64120	Methacryloyl chloride
19930	1,2-Butylene oxide	45352	cis-1,2-Epoxycyclodecane	66720	Methylene Blue
20400	Butylglycol	29260	1,2-Epoxy cyclohexane	67060	Methyl Green
64110	Butyl methacrylate	01790	2,3-Epoxypropyl acrylate	64200	Methyl methacrylate
77200	tert-Butyl perbenzoate	64161	2,3-Epoxypropyl methacrylate	68165	Methylnadic anhydride
20840	Cacodylic acid sodium salt	31184	Epoxy-Resin	68165	Methylbornene-2,3-dicarboxylic anhydride
20910	Cadmium iodide	54463	EPPS	68340	2-Methyl-2,4-pentanediol
60610	Canada balsam	94956	ERL 4206	41640	Methyl sulfoxide
21810	Carbohydrazide	02860	Ethanol	88415	Methylthiazolyldiphenyl Tetrazolium, MTT
21835	Carbol-Methylene Blue, solution	46065	Ethidium bromide	69690	Methyl vinyl ketone
81150	Carbowax	45760	Ethyl acetate	79560	Molybdophosphoric acid
21983	Cardolite N C 513	02860	Ethyl alcohol	69858	Molybdic acid
81680	Celloidin	03450	N-Ethyl-N'-(3-dimethylamino-propyl)carbodiimide hydrochloride	69850	Molybdenum(VI) oxide
23390	Chloranilic acid lanthanum salt	03610	Ethylenediaminetetraacetic acid	14353	Nadic anhydride
52157	Chlorendic anhydride	03530	Ethylene chloride	68165	Nadic methyl anhydride, NMA
50780	Chlorauric acid	03810	Ethylene glycol dimethacrylate	60830	Naphthenic acid cobalt salt
58210	Chloroiridic acid(IV)	20400	Ethylene glycol mono-butyl ether	72150	Neotetrazolium chloride, NT
25010	4-Chloromercuribenzoic acid	64072	2-Ethylhexyl methacrylate	72480	Nile Blue A
55540	4-Chloromercuribenzoic acid sodium salt	64070	Ethyl methacrylate	72490	Ninhydrin
81080	Chloroplatinic acid	04500	4-Ethylmorpholine	73240	4-Nitrocatechol
27050	Chromium granulated	46160	Evans Blue	74030	p-Nitrotetrazolium Blue chloride, NBT
27169	Chromylchloride	44715	Fast Green FCF	74381	(2-Nonenyl) succinic anhydride
27083	Chromium(VI) oxide	46230	Ferritin	14353	5-Norbornene-2,3-dicarboxylic anhydride
71405	Citric acid trisodium salt	44944	Ferric chloride hexahydrate	72075	Oil of cloves
72075	Clove oil	44970	Ferrous sulfate heptahydrate	75630	Osmic acid
60830	Cobalt naphthenate	42080	1-Fluoro-2,4-dinitrobenzene, FDNB	09750	Osmium(IV)-ammonium chloride
60818	Cobaltous chloride anhydrous	46950	Fluorescein isothiocyanate, FITC	75630	Osmium tetroxide
27690	sym.-Collidine	47629	Formaldehyde, Formalin	75632	Osmium tetroxide, 4% aqueous solution
60900	Congo Red	47670	Formamide	76044	Palladium(II) acetate
61090	Cresol Red	47716	Formvar 15/95E	76050	Palladium chloride anhydrous
61120	Cresyl Fast Violet	47860	Fuchsin	76080	Palladium oxide
61135	Crystal Violet	48610	Gallocyanin	76240	Paraformaldehyde
27980	Crotonaldehyde	48851	Germanium(IV) chloride	46022	Pentyl acetate
28270	Curing Agent C FLUKA	49624	Glutaraldehyde, 8% in water	77330	Peroxidase, (E.C. 1.11.1.7)
52570	cis-Cyclohexane-1,2-dicarboxylic anhydride	49626	Glutaraldehyde, 25% in water	78429	p-Phenylenediamine
29260	Cyclohexene oxide	49628	Glutaraldehyde, 50% in water	77950	Phenylethylene oxide
01810	Cycloheximide	49770	Glycerol anhydrous	78556	Phenyl glycidyl ether
64130	Cyclohexyl methacrylate	01790	Glycidyl acrylate	79120	Phenylmercuric acetate
29469	N-Cyclohexyl-N'-(2-(4-morpholinyl)-ethyl)carbodiimidemethyl-p-toluene-sulfonate	64161	Glycidyl methacrylate	28550	Phloxine B
30400	Cytochrome c	64170	Glycol methacrylate	79560	Phosphomolybdic acid
30424	Dammar Resin	50655	Glyoxal polymer	79561	Phosphomolybdic acid ammonium salt
31184	D.E.R. 330 Epoxy Resin	50660	Glyoxal, ~40% in water	79612	Phosphorus pentoxide
31185	D.E.R. 332 Epoxy Resin	50670	Glyoxal, ~30% in water	79690	Phosphotungstic acid
31186	D.E.R. 334 Epoxy Resin	50780	Gold chloride, brown	79810	Phthalocyanine
31190	D.E.R. 732 Epoxy Resin	50790	Gold chloride, yellow	81045	Platinum(IV) bromide
31191	D.E.R. 736 Epoxy Resin	50800	Gold chloride cryst.	81090	Platinum(IV) oxide
31192	D.E.R. 741 Epoxy Resin	51320	Hanker-Yates Reagent	47716	Polyvinylformal
80090	Diallyl phthalate	51260	Hematoxylin	81190	Polyethylene glycol 1000
32741	3,3'-Diamino benzidine	54461	HEPES	60190	Potassium dichromate
32750	3,3'-Diaminobenzidine tetrahydrochloride	52155	1,4,5,6,7,7-Hexachloro-5-norbornene-2,3-dicarboxylic acid	60300	Potassium ferricyanide
33581	Dibenzoyl peroxide	52570	cis-Hexahydrophthalic anhydride	60460	Potassium permanganate
80100	Dibutyl phthalate	68340	Hexylene glycol	60500	Potassium pyroantimonate
03530	1,2-Dichloroethane	53530	DL-Homocysteinethiolactone hydrochloride	81680	Pro-Celloidin
31995	5,5-Diethylbarbituric acid	12510	α -Hydroxybenzyl phenyl ketone	59300	sec-Propyl alcohol
32001	5,5-Diethylbarbituric acid sodium salt	00540	3-Hydroxy-2-butanone	82320	Propylene oxide
32490	Diethyl pyrocarbonate	64170	2-Hydroxyethyl methacrylate	05495	Protargol
73240	1,2-Dihydroxy-4-nitrobenzene	54461	4-(2-Hydroxyethyl)piperazine-1-(2-ethanesulfonic acid)	82702	Pyridine
61740	Dilauroyl peroxide	54463	4-(2-Hydroxyethyl)piperazine-1-(3-propanesulfonic acid)	22535	Quinacrine mustard dihydrochloride
38990	2-Dimethylaminoethanol, DMAE	55540	4-Hydroxymercuribenzoic acid sodium salt	09800	Ruthenium(IV) ammoniumchloride
64140	2-Dimethylaminoethyl methacrylate	64180	Hydroxypropyl methacrylate	84040	Ruthenium(III) chloride anhydrous
39200	Dimethylaminomethylphenol, DMP-10	72490	1,2,3-Indantrione monohydrate	84060	Ruthenium(IV) oxide
39260	3-Dimethylaminophenol	57100	Indium(III) chloride anhydrous	84071	Ruthenium Red
03450	N-(3-Dimethylaminopropyl)-N'-ethylcarbodiimide hydrochloride	57110	Indium(III) chloride tetrahydrate	84120	Safranin T
39430	N,N-Dimethylaniline	58030	Iodonitrotetrazolium chloride, INT	84505	Santolite MHP
13365	N,N-Dimethylbenzylamine	58200	Iridium(III) chloride	84655	Schiff's Reagent for Aldehydes
38990	N,N-Dimethylethanolamine	64190	Isobutyl methacrylate	85342	Silica gel blue, granulated
40240	N,N-Dimethylformamide	59300	Isopropanol	85360	Silicon monoxide
40340	3,3-Dimethylglutaric acid	23390	Lanthanum chloranilate	95395	Silicotungstic acid
80140	Dimethyl phthalate	61520	Lanthanum nitrate	85131	Silver, colloidal
41640	Dimethyl sulfoxide	61550	Lanthanum oxide	85228	Silver nitrate
41690	N,N-Dimethyl-p-toluidine	61740	Lauroyl peroxide	95280	Silver proteinate
42070	2,4-Dinitro-5-fluoroaniline, DNFA	64151	Lauryl methacrylate	95280	Silver vitellinate
42080	2,4-Dinitrofluorobenzene, FDNB	15319	Lead(II) acetate trihydrate	71180	Sodium acetate anhydrous
42510	Dioxane	15326	Lead(II) citrate trihydrate	71290	Sodium azide
43910	Divinylbenzene	15335	Lead(II) nitrate	20840	Sodium cacodylate
39200	DMP-10	15367	Lead(II) tartrate	71405	Sodium citrate
				32002	Sodium 5,5-diethylbarbiturate
				71500	Sodium dihydrogenphosphate

71729	Sodium dodecyl sulfate, SDS
71628	Sodium hydrogencarbonate
71640	di-Sodium hydrogenphosphate anhydrous
71690	Sodium hydroxide pellets
71729	Sodium lauryl sulfate
71750	Sodium methylate
72000	Sodium tetraborate decahydrate
72020	Sodium tetraphenylborate
72070	Sodium tungstate
85663	«Stains-all»
85960	Styrene monomer
77950	Styrene oxide
32750	3,3',4,4'-Tetraaminobiphenyl tetrahydrochloride
86970	Tetrachloroethylene
87961	Tetranitroblue Tetrazolium chloride, TNBT
88190	Tetrazolium Blue chloride, BT
93140	Tetrazolium Red, TTC
88193	Tetrazolium Violet, TV
88202	Thallium
88272	Thallium(I) nitrate
88275	Thallium(III) nitrate
88415	Thiazolyl Blue Tetrazolium bromide, MTT
88535	Thiocarbohydrazide
88840	Thiokol LP3
88930	Thionin
89050	Thiosemicarbazide
89130	Thorium powd.
89170	Thorium oxide
89870	Toluylene-2,4-diisocyanate
89640	Toluidine Blue
28650	Triallyl cyanurate
91230	Trichloroacetic acid, TCA
90280	Triethanolamine
90412	Triethylene glycol dimethacrylate
27690	2,4,6-Trimethylpyridine
93140	2,3,5-Triphenyl-2H-tetrazolium chloride, TTC
93331	2,4,6-Tris(dimethylaminomethyl)phenol, DMP-30
93350	Tris(hydroxymethyl)aminomethane, TRIS
95420	Tungstic acid
95410	Tungstic(VI) oxide
79690	12-Tungstophosphoric acid
95395	12-Tungstosilicic acid
94260	Uranyl acetate
94270	Uranyl nitrate
94730	Vanadium(IV) oxide sulfate
94883	Vestopal 110
94885	Vestopal 310
94920	9-Vinylcarbazole monomer
94956	4-Vinylcyclohexene dioxide
95040	2-Vinylpyridine monomer
95050	4-Vinylpyridine monomer
95690	Xylene
95755	m-Xylylene diisocyanate

Buffer Components

00195	ACES
45730	Acetic acid
00308	ADA
05130	L-Alanine
05150	DL-Alanine
05160	β-Alanine
07240	4-Aminobutyric acid, GABA
06730	(2-Aminoethyl)trimethylammonium chloride, HCL
08570	2-Amino-2-methyl-1,3-propanediol, AMPD
08580	2-Amino-2-methyl-1-propanol
09690	Ammonium acetate
11180	DL-Asparagine monohydrate
14855	BES
14872	BICINE
14880	BIS-TRIS
15660	Boric acid
19210	Butyric acid
20840	Cacodylic acid sodium salt
21185	Calcium L(+)-lactate
29338	CAPS
29312	CHES
24510	Chloroacetic acid
27488	Citric acid anhydrous
27490	Citric acid monohydrate
27690	sym.-Collidine
27910	Creatine
31730	Diethylamine
31995	5,5-Diethylbarbituric acid
32001	5,5-Diethylbarbituric acid sodium salt
40340	3,3-Dimethylglutaric acid
54463	EPPS, HEPPS
02400	Ethanolamine
03550	Ethylenediamine anhydrous
03610	Ethylenediaminetetraacetic acid, EDTA
03680	Ethylenediaminetetraacetic acid disodium salt dihydrate, EDTA-Na ₂
04500	4-Ethylmorpholine
06440	Formic acid
50020	β-Glycerophosphate disodium salt
50070	Glycinamide hydrochloride
50050	Glycine
50200	Glycyl-glycine
54461	HEPES
52710	Hexamethylenetetramine
54410	4-(2-Hydroxyethyl)morpholine
56750	Imidazole
69773	L(+)-Lactic acid
62760	2,6-Lutidine
63180	Maleic acid
63200	Maleic anhydride
69892	MES
69949	MOPS
69880	Morpholine
75700	Oxalic acid dihydrate
79620	Phosphoric acid
80010	Phthalic acid
80240	γ-Picoline
80620	Piperazine anhydrous
80637	PIPES
80636	PIPES-Na
60215	Potassium dihydrogencitrate
60220	Potassium dihydrogenphosphate
60355	di-Potassium hydrogenphosphate
60360	Potassium hydrogenphthalate
81710	L-Proline
81910	Propionic acid
82700	Pyridine
71180	Sodium acetate anhydrous
71190	Sodium acetate trihydrate
71350	Sodium carbonate anhydrous
71405	tri-Sodium citrate
71500	Sodium dihydrogenphosphate
71540	Sodium formate
71628	Sodium hydrogencarbonate
71640	di-Sodium hydrogenphosphate anhydrous
71650	di-Sodium hydrogenphosphate dodecahydrate
71909	tri-Sodium phosphate
71920	Sodium pyrophosphate anhydrous
72000	Sodium tetraborate decahydrate
14079	Succinic acid
93354	TAPS
95310	L(+)-Tartaric acid
86330	Taurine
93353	TES
93355	TRICINE
90280	Triethanolamine
90290	Triethanolamine hydrochloride

93349	TRIS
93339	TRIS acetate
93345	TRIS carbonate
93346	TRIS hemisulfate
93347	TRIS hydrochloride
93344	TRIS maleate
93348	TRIS phosphate
94640	DL-Valine

Dyes and Stains

01660	Acridine Orange
05500	Alcian® Blue 8 GS
09880	Ammonium molybdate
10417	8-Anilinonaphthalene-1-sulfonic acid ammonium salt, ANS-NH ₄
10419	8-Anilinonaphthalene-1-sulfonic acid magnesium salt, (ANS) ₂ Mg
10490	p-Anisidine
11701	BAO
88190	Blue Tetrazolium(chloride), BT
18030	Bromophenol Blue
18040	Bromophenol Blue, water soluble
27815	Coomassie® Brilliant Blue G 250
27816	Coomassie® Brilliant Blue R-250
27818	Coomassie® Violet R-150
27817	Coomassie® Violet R-200
39145	DACM-3
31530	Diacetyl
31535	1,2-Diacetylbenzene
33430	o-Dianisidine
39225	5-Dimethylamino-1-naphthalene-sulfonamide, DNSA
39070	4-Dimethylaminobenzaldehyde
39145	N-(7-Dimethylamino-4-methyl-3-coumarinyl)maleimide, DACM-3
41785	Dimidium bromide
42070	2,4-Dinitro-5-fluoroaniline, DNFA
42080	2,4-Dinitrofluorobenzene, DNPF, FDNB
42210	2,4-Dinitrophenylhydrazine
42750	Diphenylamine
44582	Drimarene Brilliant Blue K-BL
46065	Ethidium bromide
44715	Fast Green FCF
47614	Fluorescamine, Fluram®
57860	Fuchsin basic
55070	8-Hydroxyquinoline
57650	Iodine
58240	Isatin
62110	Light Green SF Yellowish
66720	Methylene Blue
66870	Methylene Green
67060	Methyl Green
70440	1-Naphthol
70490	Naphthol Blue Black B
72470	Nigrosin, water soluble
72490	Ninhydrin
73910	1-Nitroso-2-naphthol
75970	PAGE Blue 83
75975	PAGE Blue G-90
79760	o-Phthaldialdehyde, OPTA
81460	Ponceau S
83200	Pyronin G
84650	Scarlet Red
84655	Schiff's Reagent
71780	Sodium nitroprusside
85663	«Stains-all»
86015	Sudan Black B
86060	Sulfanilamide
86090	Sulfanilic acid
89640	Toluidine Blue O
93590	Trypan Blue

Substances for Activity Staining

88190	Blue Tetrazolium(chloride), BT
16670	5-Bromo-4-chloro-3-indolyl-phosphate-p-toluidine salt
17400	5-Bromindoxyl acetate
27043	Chondroitin sulfate sodium salt
36180	2,6-Dichlorophenolindophenol sodium salt
51543	Heparin ammonium salt
51550	Heparin sodium salt
57420	Indoxyl acetate
57430	Indoxyl butyrate
58030	Iodonitrotetrazolium chloride, INT
68600	N-Methylphenazonium methosulfate, PMS
88415	Methylthiazolylidiphenyl Tetrazolium, MTT
46020	2-Naphthyl acetate
70720	N-(1-Naphthyl)ethylenediamine dihydrochloride

Electrophoresis**Gel Formation**

01698	Acrylamide
05039	Agar-Agar
05068	Agarose
09920	Ammonium peroxydisulfate, PER
14460	N,N'-Bisacryloylcystamine
28540	Cyanogum® 41
32665	N,N'-Diallyltartardiamide, DATD
37475	N,N'-(1,2-Dihydroxyethylene)-bisacrylamide, DHEBA
39339	3-Dimethylaminopropionitrile, DMPN
95300	Hydrogen peroxide
66669	N,N'-Methylenebisacrylamide, BIS
95170	Riboflavin
83810	Riboflavin 5'-monophosphate sodium salt, FMN-Na
85649	Starch soluble
87689	N,N,N',N'-Tetramethylethylenediamine, TEMED, TMEDA

Molecular Weight Markers

(for SDS-PAGE)	
69825	Molecular Weight Marker, Peptide Range (2500–7000)
69826	Molecular Weight Marker, Low Range (14300–71500)
69827	Molecular Weight Marker, High Range (56000–280000)

71090	1-Naphthyl phosphate monosodium salt
71100	2-Naphthyl phosphate monosodium salt
72150	Neotetrazolium chloride, NT
74030	Nitro Blue Tetrazolium chloride, NBT
87961	Tetranitroblue Tetrazolium chloride, TNBT
88190	Tetrazolium Blue chloride, BT
88193	Tetrazolium Violet, TV
88415	Thiazolyl Blue Tetrazolium bromide, MTT
93140	2,3,5-Triphenyl-2H-tetrazolium chloride, TTC

Solubilization of Biopolymers

16005	Brij 35 [®]
27028	Cholic acid sodium salt
23100	Chloral hydrate
30970	Deoxycholic acid sodium salt
40234	N,N-Dimethyldodecylamine-N-oxide, LDAO
43796	1,4-Dithioerythritol, DTE
43819	1,4-Dithio-DL-threitol, DTT
47629	Formaldehyde
47670	Formamide
50940	Guanidine hydrochloride
52370	Hexadecyl-trimethylammonium bromide, CTAB
53752	Hyamine 1622 [®]
53753	Hyamine 10-X [®]
62555	Lithium lauryl sulfate
63690	2-Mercaptoethanol
77610	Phenol
80250	4-Picoline lauryl sulfate
71729	Sodium dodecylsulfate, SDS
88650	Thioglycolic acid
89653	6-(4-Toluidino)-2-naphthalene-sulfonic acid, TNS
93341	TRIS lauryl sulfate
93417	Triton [®] N-101
93420	Triton [®] X-100
93421	Triton [®] X-114
93425	Triton [®] X-405
93773	Tween [®] 20
93775	Tween [®] 40
93776	Tween [®] 60
93778	Tween [®] 65
93780	Tween [®] 80
93783	Tween [®] 85
51459	Urea

Auxiliary Substances

01730	Acrylic acid
01897	Adenosine 5'-diphosphate disodium salt, 5'-ADP-Na ₂
02060	Adenosine 5'-triphosphate disodium salt, 5'-ATP-Na ₂
10070	α-Amylase (E.C. 3.2.1.1)
95210	L-Ascorbic acid
15150	1,4-Bis(5-phenyl-2-oxazolyl)-benzene, POPOP
20904	Cadmium acetate
30431	N-Dansylaziridine
39220	Dansyl chloride, DNSCl
30960	Deoxycholic acid
30970	Deoxycholic acid sodium salt
33480	1,4-Diazabicyclo[2.2.2]octane, DABCO
32160	Diethylene glycol
39068	4-Dimethylaminoazobenzene-4'-sulfonyl chloride, DABSCI
40140	Dimethyldichlorosilane
41640	Dimethyl sulfoxide
43131	2,5-Diphenyl-1,3,4-oxadiazole, PPD
43140	2,5-Diphenyloxazole, PPO
43796	1,4-Dithioerythritol, DTE
43819	1,4-Dithio-DL-threitol, DTT
45330	Epichlorohydrin
71230	Ethylmercurithiosalicylic acid sodium salt
03610	Ethylenediaminetetraacetic acid, EDTA
03680	Ethylenediaminetetraacetic acid disodium salt dihydrate, EDTA-Na ₂
44970	Ferrous sulfate
47670	Formamide
49770	Glycerol anhydrous
57670	Iodoacetamide
61461	Lanthanum acetate
15326	Lead(II)-citrate Trihydrate
15335	Lead(II)-nitrate
02310	DL-Malic acid
63560	D-Mannitol

63690	2-Mercaptoethanol
65543	Methanol
88600	N-Methylphenazonium methosulfate, PMS
43410	β-Nicotinamide-adenine dinucleotide, β-NAD
93210	β-Nicotinamide-adenine dinucleotide phosphate sodium salt, β-NADP-Na
77233	Perchloric acid, PCA
77310	Periodic acid
60300	Potassium ferricyanide
71860	Sodium(meta)periodate
71989	Sodium sulfite anhydrous
85530	D(+)-Sorbitol
84100	D-Sucrose
86195	5-Sulfosalicylic acid
87748	3,3',5,5'-Tetramethylbenzidine
91230	Trichloroacetic acid, TCA

Enzyme Inhibitors

33110	Acriflavin
01810	Actidione
07260	6-Aminocaproic acid
09328	4-Aminofolic acid
09328	Aminopterin
11370	8-Azaadenine
11385	5-Azacytidine
11410	8-Azaguanine
11440	6-Azathymine
11450	6-Azauracil
11460	8-Azaxanthine
16880	5-Bromodeoxyuridine
16490	Bromopyruvic acid
70050	Cannabiscetin
23275	Chloramphenicol
25010	4-Chloromercuribenzoic acid
90182	(3S)-1-Chloro-3-p-tosylamido-7-amino-2-heptanone, HCl, TLCK
90184	(3S)-1-Chloro-3-p-tosylamido-4-phenyl-2-butanone, TPCK
27650	Colchicine
01810	Cycloheximide
30920	Deoxyadenosine
38399	DFP
33110	3,6-Diamino-10-methylacridinium chloride
32490	Diethyl pyrocarbonate
37520	3,4-Dihydroxybenzaldehyde
38399	Diisopropyl fluorophosphate, DFP
41785	Dimidium bromide
42160	2,4-Dinitrophenol
42849	Diphenylcarbamoyl chloride, DCC
45160	Emetine dihydrochloride
46065	Ethidium bromide
02490	L-Ethionine
02510	DL-Ethionine
04260	N-Ethylmaleimide, NEM
47320	4-Fluoro-DL-phenylalanine
47576	5-Fluorouracil
50850	Gramicidin D
55291	N-Hydroxyurea
57670	Iodoacetamide
57840	Iodoacetic acid
57830	5-Iodo-2'-deoxyuridine
58980	Isoniazid
58930	Isonicotinic acid
58980	Isonicotinic hydrazide
63200	Maleic anhydride
63810	6-Mercaptopurine
69577	α-Methyl-DL-tyrosine
70050	Myricetin
70162	Nalidixic acid
75949	Oxotremorine
77460	Phenacyl chloride
78830	Phenylmethanesulfonyl fluoride
79180	N-Phenylthiourea
75640	Ouabain
71290	Sodium azide
71522	Sodium fluoride
71520	Sodium fluoroacetate
75640	G-Strophanthin
87128	Tetracycline
90182	TLCK
78830	α-Toluenesulfonyl fluoride
90182	N _α -p-Tosyl-L-lysine chloromethyl ketone hydrochloride, TLCK
90184	p-Tosyl-L-phenylalanine chloromethyl ketone hydrochloride, TPCK
90184	TPCK

93620	Trypsin-Inhibitor
93750	(+)-Tubocurarine chloride pentahydrate
94675	Valinomycin

Enzymes

79410	Acid phosphatase (E.C. 3.1.3.2)
01821	Acylase I (E.C. 3.5.1.14)
05640	Alcohol dehydrogenase, ADH (E.C. 1.1.1.1)
05520	Aldolase (E.C. 4.1.2.13)
79392	Alkaline phosphatase (E.C. 3.1.3.1)
61860	Amino-peptidase (cytosol) (E.C. 3.4.11.1)
10070	α-Amylase (E.C. 3.2.1.1)
10090	β-Amylase (E.C. 3.2.1.2)
11000	L-Arginase (E.C. 3.5.3.1)
60630	Catalase (E.C. 1.11.1.6)
22180	Cellulase (E.C. 3.2.1.4)
27270	α-Chymotrypsin (E.C. 3.4.21.1)
27540	Clara Diastase, «Clarase 300»
27665	Collagenase (E.C. 3.4.24.3)
57629	Converitin (E.C. 3.2.1.26)
27960	Creatine phosphokinase, CPK (E.C. 2.7.3.2)
31135	Deoxyribonuclease I, DNase-I (E.C. 3.1.4.5)
31150	Deoxyribonuclease II, DNase-II (E.C. 3.1.4.6)
33470	Diastase
44585	Driselase
49290	Emulsin (E.C. 3.2.1.21)
57629	β-D-Fructofuranosidase (E.C. 3.2.1.26)
49180	Glucose oxidase, GOD (E.C. 1.1.3.4)
49270	D-Glucose-6-phosphate dehydrogenase, G-6-PDH (E.C. 1.1.1.49)
49290	β-Glucosidase (E.C. 3.2.1.21)
49310	β-Glucuronidase (E.C. 3.2.1.31)
49389	Glutamate dehydrogenase, L-GLDH (E.C. 1.4.1.3)
49400	Glutamate oxalacetate transaminase, GOT (E.C. 2.6.1.1)
49530	L-Glutamic decarboxylase (E.C. 4.1.1.15)
49389	L-Glutamic dehydrogenase, L-GLDH (E.C. 1.4.1.3)
49830	Glyceraldehyde-3-phosphate dehydrogenase, GAP-DH (E.C. 1.2.1.12)
49400	GOT (E.C. 2.6.1.1)
53110	Hexokinase (E.C. 2.7.1.1)
53710	Hyaluronidase (E.C. 3.2.1.35)
57629	Invertase (E.C. 3.2.1.26)
61310	Lactate dehydrogenase, LDH, LDH-M (E.C. 1.1.1.27)
61860	Leucine aminopeptidase, LAP (E.C. 3.4.11.1)
62300	Lipase (E.C. 3.1.1.3)
62340	Lipoxygenase, Lipoxigenase (E.C. 1.13.11.12)
62890	L-Lysine decarboxylase (E.C. 4.1.1.18)
62991	Lysozyme (E.C. 3.2.1.17)
63170	Malate dehydrogenase, MDH (E.C. 1.1.1.37)
62970	Muramidase (E.C. 3.2.1.17)
70040	Myokinase (E.C. 2.7.4.3)
76190	Pancreatin
76220	Papain (E.C. 3.4.22.2)
76290	Pectinase (E.C. 3.2.1.15)
77152	Pepsin (E.C. 3.4.23.1)
77330	Peroxidase, POD (E.C. 1.11.1.7)
79410	Phosphatase, acid (E.C. 3.1.3.2)
79392	Phosphatase, alkaline (E.C. 3.1.3.1)
82490	Protease (E.C. 3.4.21.14)
83330	Pyruvate kinase, PK (E.C. 2.7.1.40)
83830	Ribonuclease A (E.C. 3.1.4.22)
83832	Ribonuclease (E.C. 3.1.4.22)
82490	Subtilisin Carlsberg, Subtilopeptidase A (E.C. 3.4.21.14)
86250	Taka-Diastase, Taka-Amylase
93610	Trypsin (E.C. 3.4.21.4)
93630	Trypsinogen
94280	Urease (E.C. 3.5.1.5)
94312	Uricase (E.C. 1.7.3.3)

Enzyme Substrates

a) List according to Enzymes

Acetate-kinase
71190 Sodium acetate trihydrate

Acetylcholinesterase
01010 Acetylcholine bromide
01020 Acetylcholine chloride
01030 Acetylcholine iodide
01480 Acetylthiocholine iodide

N-Acetyl neuraminic acid-aldolase
01400 N-Acetyl neuraminic acid

Acrosin
51010 4-Methylumbelliferyl 4'-guanidino-benzoate HCl

Alcohol dehydrogenase
00070 Acetaldehyde
02860 Ethanol

Adenosine deaminase
01890 Adenosine

Aldehyde dehydrogenase
00070 Acetaldehyde

Aldolase
47810 D-Fructose-1,6-diphosphate trisodium salt
47820 D-Fructose-1-phosphate barium salt

D-Amino acid oxidase
05140 D-Alanine

L-Amino acid oxidase
05130 L-Alanine

Aminopeptidase
11190 L-Aspartic acid
49622 L-Glutamic acid 1-(4'-nitroanilide)
50210 Glycyl-glycinamide hydrochloride
61910 L-Leucine-4-nitroanilide
61900 L-Leucine-2-naphthylamide hydrochloride
61970 L-Leucyl-glycine

Aminotripeptidase
50240 Glycyl-glycyl-glycine (Triglycine)
61990 L-Leucyl-glycyl-glycine

α -Amylase
85650 Starch soluble

β -Amylase
85650 Starch soluble

Amyloglycosidase
85650 Starch soluble

Arnylomaltase
63420 D(+)-Maltose

Arginase
11040 L-Arginine
11040 L-Arginine hydrochloride

Aryl sulphatase
73735 4-Nitrophenyl sulphate potassium salt

Ascorbic acid oxidase
95210 L-Ascorbic acid

L-Aspartate decarboxylase
11190 L-Aspartic acid

Bromelin
12880 N_{α} -Benzoyl-L-arginine ethyl ester, HCl, BAEE
12890 N_{α} -Benzoyl-L-arginine amide, BAA
12900 N_{α} -Benzoyl-L-arginine methyl ester, HCl, BAME
12910 N_{α} -Benzoyl-DL-arginine 2-naphthylamide, HCl, BANA
12920 N_{α} -Benzoyl-DL-arginine 4-nitroanilide, HCl, BANI
22080 Casein
61910 L-Leucine-4-nitroanilide
61900 L-Leucine-4-naphthylamide HCl

Carbamyl transferase
21780 Carbamoyl phosphate lithium salt

Carboxylester hydrolases
46020 2-Naphthyl acetate
46021 4-Nitrophenyl acetate
70470 Naphthol-AS-chloroacetate

Carboxypeptidase
96230 Z-glycyl-L-leucine
96260 Z-glycyl-L-phenylalanine

Carnosinase
22030 L-Carnosine

Catalase
95300 Hydrogen peroxide

Cholinesterase
01480 S-Acetylthiocholine iodide
20772 Butyrylcholine bromide
20775 Butyrylcholine chloride
20780 Butyrylcholine iodide
20819 S-Butyrylthiocholine iodide
82010 Propionylcholine iodide
85980 Succinylcholine chloride

Chymotrypsin
01530 N-Acetyl-L-tyrosine ethyl ester
13040 N-Benzoyl-DL-phenylalanine 2-naphthylester
13135 N-Benzoyl-L-tyrosyl-p-amino-benzoic acid sodium salt
22080 Casein
78050 L-Phenylalanine ethyl ester hydrochloride
93650 L-Tryptophan ethyl ester hydrochloride
97300 Z-L-tyrosine-4-nitrophenyl-ester

Collagenase
27669 Collagenase chromophoric substrate
27670 Collagenase substrate

Creatine-kinase
27950 Creatine phosphate barium salt
27920 Creatine phosphate disodium salt hexahydrate

Cysteine desulphydrase
30130 L-Cysteine hydrochloride

Dehydrogenases
58030 Iodonitrotetrazolium Violet, INT
72150 Neotetrazolium chloride, NT
74030 p-Nitrotetrazolium Blue chloride, NBT
87961 Tetranitroblue Tetrazolium chloride, TNBT
88190 Tetrazolium Blue (chloride), BT
88193 Tetrazolium Violet, TV
88415 Thiazolyl Blue Tetrazolium bromide, MTT
93140 2,3,5-Triphenyl-2H-tetrazolium chloride, TTC
93145 2,3,5-Triphenyl Tetrazolium formazan

Deoxyribonucleases
31160 Deoxyribonucleic acid (low molecular weight)
89380 Deoxyribonucleic acid (high molecular weight)

Elastase
45130 Elastin

Erepsinase
50070 Glycinamide hydrochloride

Esterase
17400 4-Bromoindoxyl acetate
57420 Indoxyl acetate
57430 Indoxyl butyrate
70470 Naphthol AS chloroacetate
46020 2-Naphthyl acetate
71140 1-Naphthyl butyrate
46021 4-Nitrophenyl acetate

Formate dehydrogenase
71540 Sodium formate

Galactose dehydrogenase
48260 D(+)-Galactose

α -D-Galactosidase
17663 6-Bromo-2-naphthyl- α -D-galactopyranoside

β -D-Galactosidase
17664 6-Bromo-2-naphthyl- β -D-galactopyranoside

α -Galactosidase
63630 D(+)-Melibiose
73653 4-Nitrophenyl- α -D-galactopyranoside

β -Galactosidase
61340 D(+)-Lactose monohydrate
73660 2-Nitrophenyl- β -D-galactopyranoside
73670 4-Nitrophenyl- β -D-galactopyranoside
78552 Phenyl- β -D-galactopyranoside

Glucose oxidase
49140 D(+)-Glucose

Glucose-6-phosphate dehydrogenase
49420 D-Glucose-6-phosphate barium salt
49280 D-Glucose-6-phosphate disodium salt
49282 β -D-Glucose-6-phosphate sodium salt

α -D-Glucosidase
63420 Maltose
73673 4-Nitrophenyl- α -D-glucopyranoside

β -D-Glucosidase
17666 6-Bromo-2-naphthyl- β -D-glucopyranoside
70972 1-Naphthyl- β -D-glucopyranoside
46021 4-Nitrophenyl acetate
73674 2-Nitrophenyl- β -D-glucopyranoside
73676 4-Nitrophenyl- β -D-glucopyranoside
73735 4-Nitrophenyl sulfate potassium salt
78554 Phenyl- β -D-glucopyranoside
84150 D-Salicin

Glutamate dehydrogenase
75890 α -Ketoglutaric acid

Glutamate oxalacetate transaminase
05130 L-Alanine
75890 α -Ketoglutaric acid
75891 α -Ketoglutaric acid calcium salt
75893 α -Ketoglutaric acid monosodium salt

Glutamat-pyruvate-transaminase
05130 L-Alanine

Glutamyl transferase
49420 L(+)-Glutamine

γ -Glutamyl transpeptidase
49623 L-Glutamic acid 5-(4'-nitroanilide)

Glutathione reductase
49740 L-Glutathione oxidized

Glycero-kinase
49770 Glycerol

Glycyl-glycyl dipeptidase
50200 Glycyl-glycine

Hexokinase
02060 Adenosine 5'-triphosphate Na,
47740 D(-)-Fructose
49140 D(+)-Glucose

Histaminase
53300 Histamine dihydrochloride

Hyaluronidase
53730 Hyaluronic acid
53750 Hyaluronic acid potassium salt

Hydroxybutyrate dehydrogenase
75820 2-Oxobutyric acid
75825 2-Oxobutyric acid sodium salt

Invertase
84100 D-Sucrose

Isocitrate dehydrogenase
58800 Isocitrate trisodium salt

Lactate dehydrogenase
15930 Pyruvic acid
15990 Pyruvic acid Na, Na pyruvate

Leucine aminopeptidase
61910 L-Leucine-4-nitroanilide
61970 L-Leucyl-glycine

Lipase
90240 Glycerol triacetate
91010 Glycerol tributyrat
91022 Glycerol tricaprinate
91029 Glycerol tricapronate
91039 Glycerol trilaurate
92779 Glycerol trimyristate
92859 Glycerol trioleate
92902 Glycerol tripalmitate
92909 Glycerol tripelargonate
93401 Glycerol tristearate
61710 2-Naphthyl laurate

Lipoxidase
62160 Linolenic acid

Lipoamide dehydrogenase
62320 DL α Lipoic acid

Maleate dehydrogenase
75660 Oxalacetic acid

Malic acid dehydrogenase
02290 L(-)-Malic acid

Maltase
63420 D(+)-Maltose

α -Mannosidase
73731 4-Nitrophenyl- α -D-manno-
pyranoside

Oxytokinase
30260 L-Cysteine-di-2-naphthylamide

Papain
12880 N α -Benzoyl-L-arginine ethyl ester.
HCl, BAEE
12890 N α -Benzoyl-L-arginine amide, BAA
12900 N α -Benzoyl-L-arginine methyl ester.
HCl, BAME
12910 N α -Benzoyl-DL-arginine-2-
naphthylamide. HCl, BANA
12920 N α -Benzoyl-DL-arginine-4-
nitroanilide. HCl, BANI
51290 Hemoglobin
90170 N α -Tosyl-L-arginine methyl ester HCl

Pentokinase
83860 D(+)-Ribose

Pepsin
96150 Z-L-glutamyl-L-tyrosine
51290 Hemoglobin

6-Phosphogluconate dehydrogenase
79450 6-Phosphogluconic acid barium salt

Phosphoglucomutase
49220 D-Glucose 1-phosphate dipotassium
salt
49230 D-Glucose 1-phosphate disodium salt

Phospholipase
52556 L- β , γ -Dipalmitoyl- α -lecithin

Phosphomonoester hydrolases
(Phosphatases)
50010 1-Glycerophosphate disodium salt
50020 2-Glycerophosphate disodium salt
71090 1-Naphthyl phosphate sodium salt
71100 2-Naphthyl phosphate disodium salt
73733 4-Nitrophenyl phosphate di-(2-amino-
-2-ethyl-1,3-propanediol) salt
71770 4-Nitrophenyl phosphate disodium salt
77630 Phenolphthalein phosphate pyridine
salt
71900 Phenyl phosphate disodium salt
89362 Thymolphthalein phosphate disodium
salt
89364 Thymolphthalein phosphate
magnesium salt
89361 Thymolphthalein monophosphate 2-
amino-2-ethyl-1,3-propanediol salt

Pronase, α -Protease
22080 Casein

Phosphodiesterase
71770 4-Nitrophenyl phosphate disodium salt
73733 4-Nitrophenyl phosphate di-(2-amino-
2-ethyl-1,3-propanediol) salt

Phosphorylase
49220 D-Glucose 1-phosphate dipotassium
salt

Polysaccharide phosphorylase
50571 D(+)-Glycogen

Proteinases
93890 L-Tyrosine ethyl ester hydrochloride

Pseudo cholinesterases
12950 Benzoylcholine chloride
20772 Butyrylcholine bromide
20775 Butyrylcholine chloride
20780 Butyrylcholine iodide
20819 S-Butyrylthiocholine iodide
82010 Propionylcholine iodide

Pyruvate kinase
79430 Phosphoenolpyruvate tricyclo-
hexylamine salt

Ribonuclease
83850 Ribonucleic acid
89370 Thymonucleic acid

Saccharase (Invertin)
84100 D(+)-Saccharose (D-Sucrose)

Sorbitol dehydrogenase
85532 D-Sorbitol
74740 D(-)-Fructose

Subtilisin
01530 N-Acetyl-L-tyrosine ethyl ester
13110 N-Benzoyl-L-tyrosine ethyl ester

Succinate dehydrogenase
14170 Succinic acid disodium salt 6H₂O

Thermolysin
22080 Casein

Thrombin
12880 N α -Benzoyl-L-arginine ethyl ester.
HCl, BAEE
51010 4-Methylumbelliferyl 4'-guanidino-
benzoate. HCl
90170 N α -Tosyl-L-arginine methyl ester. HCl

Trypsin
12880 N α -Benzoyl-L-arginine ethyl ester. HCl,
BAEE
12890 N α -Benzoyl-L-arginine amide. HCl, BAA
12900 N α -Benzoyl-L-arginine methyl ester.
HCl, BAME
12910 N α -Benzoyl-DL-arginine-2-naphthyl-
amide. HCl, BANA
12920 N α -Benzoyl-DL-arginine-4-nitroanilide.
HCl, BANI
22080 Casein
51290 Hemoglobin
62880 L-Lysine ethyl ester HCl
51010 4-Methylumbelliferyl 4'-guanidino-
benzoate. HCl
90170 N α -Tosyl-L-arginine methylester. HCl
96150 Z-L-glutamyl-L-tyrosine

Tryptophanase
93660 L-Tryptophan

Tryptophan synthetase
84980 DL-Serine

Urease
51459 Urea

Uricase
51449 Uric acid

Xanthine oxidase
56700 Hypoxanthine

b) Alphabetical List

00070 Acetaldehyde
01010 Acetylcholine bromide
01020 Acetylcholine chloride
01030 Acetylcholine iodide
01400 N-Acetyl neuraminic acid
01480 Acetylthiocholine iodide
01530 N-Acetyl-L-tyrosine ethyl ester
01890 Adenosine
02060 Adenosine 5'-triphosphate-Na₂
05130 L-Alanine
05140 D-Alanine
11040 L-Arginine
11040 L-Arginine hydrochloride
95210 L-Ascorbic acid
11190 L-Aspartic acid
12890 N α -Benzoyl-L-arginine amide, BAA
12880 N α -Benzoyl-L-arginine ethyl ester. HCl,
BAEE
12900 N α -Benzoyl-L-arginine methyl ester.
HCl, BAME
12910 N α -Benzoyl-DL-arginine-2-naphthyl-
amide. HCl, BANA
12920 N α -Benzoyl-DL-arginine-4-nitroanilide.
HCl, BANI
12950 Benzoylcholine chloride
13040 N-Benzoyl-DL-phenylalanine
2-naphthyl ester
13110 N-Benzoyl-L-tyrosine ethyl ester
13135 N-Benzoyl-L-tyrosyl-p-aminobenzoic
acid sodium salt
17400 4-Bromoindoxyl acetate
17666 6-Bromo-2-naphthyl- β -D-gluco-
pyranoside

17663 6-Bromo-2-naphthyl- α -D-galacto-
pyranoside
17664 6-Bromo-2-naphthyl- β -D-galacto-
pyranoside
20772 Butyrylcholine bromide
20775 Butyrylcholine chloride
20780 Butyrylcholine iodide
20819 S-Butyrylthiocholine iodide
21780 Carbamoyl phosphate lithium salt
22030 L-Carnosine
22080 Casein
96230 Z-Glycyl-L-leucine
96260 Z-Glycyl-L-phenylalanine
27669 Collagenase chromophoric substrate
27670 Collagenase substrate
27950 Creatine phosphate barium salt
27920 Creatine phosphate disodium salt
hexahydrate
30130 L-Cysteine hydrochloride
30260 L-Cystine di-2-naphthylamide
31160 Deoxyribonucleic acid (low molecular
weight)
89380 Deoxyribonucleic acid (high molecular
weight)
42556 L- β , γ -Dipalmitoyl- α -lecithin
45130 Elastin
02860 Ethanol
47740 D(-)-Fructose
47810 D-Fructose 1,6-diphosphate trisodium
salt
47820 D-Fructose 1-phosphate barium salt
48260 D(+)-Galactose
49140 D(+)-Glucose
49420 D-Glucose 6-phosphate barium salt
49220 D-Glucose 1-phosphate dipotassium
salt
49230 D-Glucose 1-phosphate disodium salt
49280 D-Glucose 6-phosphate disodium salt
49282 β -D-Glucose 6-phosphate sodium salt
49622 L-Glutamic acid 1-(4'-nitroanilide)
49623 L-Glutamic acid 5-(4'-nitroanilide)
49420 L(+)-Glutamine
49740 L-Glutathione oxidized
49770 Glycerol
90240 Glycerol triacetate
91010 Glycerol tributyrat
91022 Glycerol tricaprinate
91029 Glycerol tricaprinate
91039 Glycerol trilaurate
92779 Glycerol trimyristate
92859 Glycerol trioleate
92902 Glycerol tripalmitate
92909 Glycerol tripelargonate
93401 Glycerol tristearate
50010 1-Glycerophosphate disodium salt
50020 2-Glycerophosphate disodium salt
50070 Glycinamide hydrochloride
50571 D(+)-Glycogen
50210 Glycyl-glycinamide hydrochloride
50200 Glycyl-glycine
50240 Glycyl-glycyl-glycine (Triglycine)
51290 Hemoglobin
53300 Histamine dihydrochloride
53730 Hyaluronic acid
53750 Hyaluronic acid potassium salt
95300 Hydrogen peroxide
56700 Hypoxanthine
57420 Indoxyl acetate
57430 Indoxyl butyrate
58030 Iodonitrotetrazolium Violet, INT
58800 Isocitrate trisodium salt
75890 α -Ketoglutaric acid
75891 α -Ketoglutaric acid calcium salt
75893 α -Ketoglutaric acid monosodium salt
61340 D(+)-Lactose monohydrate
61900 L-Leucine-2-naphthylamide hydro-
chloride
61910 L-Leucine-4-nitroanilide
61970 L-Leucyl-glycine
61990 L-Leucyl-glycyl-glycine
62160 Linolenic acid
62320 DL- α -Lipoic acid
62880 L-Lysine ethyl ester. HCl
02290 L(-)-Malic acid
63420 D(+)-Maltose
63630 D(+)-Melibiose
51010 4-Methylumbelliferyl
4'-guanidinobenzoate. HCl
70470 Naphthol AS chloroacetate
46020 2-Naphthyl acetate
71140 1-Naphthyl butyrate
70972 1-Naphthyl- β -D-glucopyranoside

61710	2-Naphthyl laurate	59900	Methyl isovalerate	70010	Ammonium purpurate
71100	2-Naphthyl phosphate disodium salt	05950	Allylacetic acid (C5:1)	95290	Aniline blue WS, C.I. 42755
71090	1-Naphthyl phosphate sodium salt	77045	trans-2-Pentenoic acid (C5:1)	10417	8-Anilinonaphthalene-1-sulfonic acid ammonium salt, ANS-NH ₄
72150	Neotetrazolium chloride, NT	21529	Caproic acid (C6)	10419	8-Anilinonaphthalene-1-sulfonic acid magnesium salt, (ANS) ₂ Mg
46021	4-Nitrophenyl acetate	21599	Methyl caproate	72160	Arsenazo I
73653	4-Nitrophenyl- α -D-galactopyranoside	58720	Isocaproic acid (C6)	11090	Arsenazo III
73660	2-Nitrophenyl- β -D-galactopyranoside	53074	trans-2-Hexenoic acid (C6:1)	72160	2-(2-Arsonophenylazo)chromotropic acid disodium salt
73670	4-Nitrophenyl- β -D-galactopyranoside	85510	Sorbic acid (C6:2)	89120	1-(2-Arsonophenylazo)-2-naphthol-3,6-disulfonic acid disodium salt
73674	2-Nitrophenyl- β -D-glucopyranoside	75190	Oenanthalic acid (C7)	11340	Auramine O, C.I. 41000
73673	4-Nitrophenyl- α -D-glucopyranoside	75220	Methyl heptanoate	83910	Aurania, C.I. 10360
73676	4-Nitrophenyl- β -D-glucopyranoside	51945	6-Heptenoic acid (C7:1)	11360	Aurintricarboxylic acid ammonium salt, C.I. 43810
73731	4-Nitrophenyl- α -D-mannopyranoside	52480	Methyl 2-t-5-c-heptadienoate (C7:2)	11598	Azocarmine B, C.I. 50090
73733	4-Nitrophenyl phosphate di-(2-amino-2-ethyl-1,3-propanediol) salt	21639	Caprylic acid (C8)	11600	Azocarmine G, C.I. 50085
71770	4-Nitrophenyl phosphate disodium salt	21719	Methyl caprylate	11640	Azophloxine, C.I. 18050
73735	4-Nitrophenyl sulphate potassium salt	76342	Pelargonic acid (C9)	73020	Azoviolet
74030	p-Nitrotetrazolium Blue chloride, NBT	76370	Methyl pelargonate	11643	4,4'-Azoxyanisol
75660	Oxalacetic acid	21409	Capric acid (C10)	11660	Azure B, C.I. 52010
75820	2-Oxobutyric acid	21479	Methyl caprate	11670	Azure II, C.I. 52010/52015
75825	2-Oxobutyric acid sodium salt	94089	Undecanoic acid (C11)	11690	Azure II-Eosine
77630	Phenolphthalein phosphate pyridine salt	94120	Methyl undecanoate	11700	Azure mixture sicc.
78050	L-Phenylalanine ethyl ester hydrochloride	94192	10-Undecenoic acid (C11:1)	11701	BAO
78552	Phenyl- β -D-galactopyranoside	61609	Lauric acid (C12)	47860	Basic Fuchsin, C.I. 42510
78554	Phenyl- β -D-glucopyranoside	61689	Methyl laurate	11880	Bathophenanthroline
71900	Phenyl phosphate disodium salt	91540	Tridecanoic acid (C13)	11890	Bathophenanthrolinedisulfonic acid disodium salt
79430	Phosphoenolpyruvate tricyclohexylamine salt	91560	Methyl tridecanoate	12572	Benzenediazonium hexafluorophosphate
79450	6-Phosphogluconic acid barium salt	70079	Myristic acid (C14)	11950	Bengal Rose B
82010	Propionyl choline iodide	70129	Methyl myristate	87748	«Benzidine» non-carcinogenic
15930	Pyruvic acid	76540	Pentadecanoic acid (C15)	12760	Benzopurpurin B, C.I. 23560
15990	Pyruvic acid Na, Na pyruvate	76560	Methyl pentadecanoate	13205	4-Benzylamino-7-nitrobenzofurazane
83850	Ribonucleic acid	76119	Palmitic acid (C16)	13620	Benzyl Orange
83860	D(+)-Ribose	76159	Methyl palmitate	14050	Berberine chloride, C.I. 75160
84100	D(+)-Saccharose	76169	Palmitoleic acid (C16:1)	14070	Berberine sulfate, C.I. 75160
84150	D-Salicin	76176	Methyl palmitoleate	81450	Biebrich Scarlet WS
84980	DL-Serine	51610	Heptadecanoic acid (C17)	72150	3,3'-(4,4'-Biphenylene)bis (2,5-diphenyl-2H-tetrazolium chloride)
71190	Sodium acetate trihydrate	51640	Methyl heptadecanoate	11701	Bis(4-aminophenyl)-1,3,4-oxadiazol, BAO
71540	Sodium formate	85679	Stearic acid (C18)	11090	2,7-Bis(2-aronophenylazo) chromotropic acid disodium salt
85532	D-Sorbitol	85769	Methyl stearate	14690	Bis(cyclohexanone)oxal-dihydrazone
85650	Starch soluble	45089	Elaidic acid (C18:1)	14990	Bismarck Brown G(Y), C.I. 21000
14170	Succinic acid disodium salt. 6H ₂ O	45119	Methyl elaidate	15000	Bismarck Brown R, C.I. 21010
85980	Succinyl choline chloride	75090	Oleic acid (C18:1)	86170	2,7-Bis(2-sulfophenylazo) chromotropic acid
84100	D-Sucrose	75160	Methyl oleate	88190	Blue Tetrazolium chloride, BT
87961	Tetranitroblue Tetrazolium chloride, TNBT	77410	Petroselinic acid (C18:1)	15860	Brazilin, C.I. 75280
88190	Tetrazolium Blue (chloride), BT	94500	Vaccenic acid (C18:1)	16030	Brilliant Cresyl Blue, C.I. 51010
88193	Tetrazolium Violet, TV	62230	Linoleic acid (C18:2)	16020	Brilliant Green, C.I. 42040
88145	Thiazolyl Blue Tetrazolium bromide, MTT	62280	Methyl linoleate	16010	Brilliant Yellow, C.I. 24890
89361	Thymolphthalein monophosphate 2-amino-2-ethyl-1,3-propanediol salt	62160	Linolenic acid (C18:3)	17470	Bromocresol Green
89362	Thymolphthalein phosphate disodium salt	62200	Methyl linolenate	17480	Bromocresol Green sodium salt
89364	Thymolphthalein phosphate magnesium salt	74190	Nonadecanoic acid (C19)	17490	Bromocresol Purple
89370	Thymonucleic acid	74212	Methyl nonadecanoate	17492	Bromocresol Purple sodium salt
90170	N α -Tosyl-L-arginine methyl ester. HCl	10930	Arachidic acid (C20)	17400	5-Bromindoxyl acetate
93140	2,3,5-Triphenyl-2H-tetrazolium chloride, TTC	10941	Methyl arachidate	18030	Bromophenol Blue
93145	2,3,5-Triphenyl Tetrazolium formazan	10929	Arachidonic acid (C20:4)	18040	Bromophenol Blue sodium salt
93660	L-Tryptophan	51530	Heneicosanoic acid (C21)	18050	Bromophenol Red
93650	L-Tryptophan ethyl ester hydrochloride	11909	Behenic acid (C22)	18300	Bromopyrogallol Red
93890	L-Tyrosine ethyl ester hydrochloride	11940	Methyl behenate	18360	Bromsulphalein
51459	Urea	45629	Erucic acid (C22:1)	18460	Bromothymol Blue
51449	Uric acid	45659	Methyl erucate	18470	Bromothymol Blue sodium salt
96150	Z-L-glutamyl-L-tyrosine	91470	Tricosanoic acid (C23)	18740	Bromoxyleneol Blue
97300	Z-L-tyrosine-4-nitrophenylester	91480	Methyl tricosanoate	21030	Calcein
		87110	Tetracosanoic acid (C24)	21040	Calcein Blue
		52200	Hexacosanoic acid (C26)	45550	Calcon
		51570	Heptacosanoic acid (C27)	21260	Calconcarboxylic acid
		74700	Octacosanoic acid (C28)	21280	Calmagite
		74701	Methyl octacosanoate	21820	Carbol-Fuchsine Solution according to Ziehl Neelsen
		63640	Melissic acid (C30)	21830	Carbol-Gentian Violet Solution
		63641	Methyl melissate	21865	Carboxyarsenazo III

FLUKA-Stains: Dyes, Indicators, Reagents, Stains in Solution

Fatty Acids and Methyl Esters

06440	Formic acid (C1)
06550	Methyl formate
45730	Acetic acid (C2)
46000	Methyl acetate
81910	Propionic acid (C3)
81990	Methyl propionate
01730	Acrylic acid (C3:1)
01800	Methyl acrylate
19210	Butyric acid (C4)
19360	Methyl butyrate
58360	Isobutyric acid (C4)
58440	Methyl isobutyrate
28010	Crotonic acid (C4:1)
28070	Methyl crotonate
94990	Vinylacetic acid (C4:1)
94530	n-Valeric acid (C5)
94562	Methyl n-valerate
59840	Isovaleric acid (C5)

33110	Acid Acriflavine	21981	Cardio Green
84600	Acid Fuchsin, C.I. 42685	22000	Carminic acid, C.I. 75470
75370	Acid Orange A	22010	β -Carotene
01640	Acridine	15920	Catechol Violet
01645	Acridine hydrochloride	46300	Ceres Black BN
01660	Acridine Orange, C.I. 46005	23360	Chloranilic acid
33110	Acriflavine, C.I. 46000	25455	4-Chloro-7-nitrobenzofurazane, NBD-chloride
05500	Alcian blue 8GX, C.I. 74240	25870	Chlorophenol Red
05560	Alizarin, C.I. 58000		
05590	Alizarin-3-methylimino diacetic acid		
05600	Alizarin Red S, C.I. 58005		
05600	Alizarinsulfonic acid sodium salt		
05570	Alizarin Yellow 2G, C.I. 14025		
05580	Alizarin Yellow R, C.I. 14030		
05610	Alkali Blue 4B, C.I. 42750		
11360	Aluminon		
70490	Amidoblack 10B		
06810	4-Aminoazobenzene		
46930	Aminofluorescein		

27090	Chrome Azurol S, C.I. 43825	42080	2,4-Dinitrofluorobenzene, DNPF, FDNB	70460	3-Hydroxy-2-naphthoic acid anilide
27130	Chromotrope 2B, C.I. 16575	70540	2,4-Dinitro-1-naphthol-7-sulfonic acid sodium salt	55950	3-Hydroxy-2-naphthoic acid hydrazide
85470	Chromotrope 8B, C.I. 16645	42160	2,4-Dinitrophenol	55900	2-Hydroxy-1,4-naphthoquinone, C.I. 75480
27140	Chromotrope 2R, C.I. 16570	42180	2,5-Dinitrophenol	70890	8-Hydroxy-7-(1-naphthylazo)quinoline-5-sulfonic acid
27240	Chrysoidin G(Y), C.I. 11270	42190	2,6-Dinitrophenol	54791	2-(4-Hydroxyphenylazo)benzoic acid
93520	Chrysoin	42860	sym. Diphenylcarbazine	56980	Indigo Blue
60900	Congo Red, C.I. 22120	42870	Diphenylcarbazon	56980	Indigo synth., C.I. 73000
60910	Congo Red, C.I. 22120	88193	2,5-Diphenyl-3-(1-naphthyl)-2H-tetrazolium chloride	57000	Indigocarmine, C.I. 73015
27815	Coomassie Brilliant Blue G-250, C.I. 42655	11880	4,7-Diphenyl-1,10-phenanthroline	57000	Indigo-5,5'-disulfonic acid disodium salt
27816	Coomassie Brilliant Blue R-250, C.I. 42660	82950	5,6-Diphenyl-3-(2-pyridyl)-1,2,4-triazine-4,4'-disulfonic acid disodium salt	56980	Indigotin
27817	Coomassie Violet R-200, C.I. 42650	11350	Dipicrylamine ammonium salt	57420	Indoxyl acetate
27818	Coomassie Violet R-150, C.I. 42650	43800	Dithiooxamide	57430	Indoxyl butyrate
61060	o-Cresolphthalein	43820	Dithizone	57460	Induline water soluble, C.I. 50405
64000	o-Cresolphthalein Complexone	44582	Drimarene Brilliant Blue K-B1	45690	Iodoeosin B
64000	o-Cresolphthalein-3',3''-bis (methyliminodiacetic acid disodium salt)	39070	Ehrlich's reagent	57650	Iodine resubl.
61070	m-Cresol Purple	28550	Eosin 10B	58030	Iodonitrotetrazolium chloride
61080	m-Cresol Purple sodium salt	45240	Eosin G (Y)	58030	Iodonitrotetrazolium Violet
61090	Cresol Red	45252	Eosin Methylene Blue according to Wrights	58030	2-(4-Iodophenyl)-3-(4-nitrophenyl)-5-phenyl-2H-tetrazolium chlorid
61090	o-Cresolsulfonphthalein	45260	Eosin Scarlet, C.I. 45400	60700	«Kernechtrot»
61070	m-Cresolsulfonphthalein	45240	Eosin Yellowish, C.I. 45380	88930	Lauths Violet
95615	o-Cresolsulfonphthalein-3',3''-bis (methyliminodiacetic acid disodium salt)	45600	Eriochrome Black T, C.I. 14645	62110	Light Green SF Yellowish
16030	-Cresyl Blue	45540	Eriochrome Blue Black B, C.I. 14640	61275	Litmus
61120	Cresyl Fast Violet, C.I. ~ 51180	45550	Eriochrome Blue Black R, C.I. 15705	62650	Lugol's Solution (I + KI)
14690	Cuprizon I	45560	Eriochrome Cyanine R, C.I. 43820	76250	Magenta O
28260	Curcumin, C.I. 75300	45580	Eriochrome Red B, C.I. 18760	47860	Magenta I
95600	Cyanol FF	45690	Erythrosin B	73020	Magneson I
28550	Cyanosine, C.I. 45410	79350	Erythrosin BB	73000	Magneson II
39220	Dansyl chloride	45690	Erythrosin extra bluish, C.I. 45430	63150	Magon
32680	Diamine Green B, C.I. 30295	46065	Ethidium bromide	63160	Malachite Green, C.I. 42000
32750	3,3'-Diaminobenzidine tetrahydrochloride	04840	Ethyl Red	63590	May-Grünwald Solution
46065	3,8-Diamino-5-ethyl-6-phenylphenanthridinium bromide	46160	Evans Blue, C.I. 23860	45250	May-Grünwald Stain
33110	3,6-Diamino-10-methylacridinium chloride	44660	Fast Blue B salt, C.I. 37235	63869	Merbromin
41785	3,8-Diamino-5-methyl-6-phenylphenanthridinium bromide	44670	Fast Blue BB salt, C.I. 37175	63869	Mercurochrome 220
33490	4-Diazobenzenesulfonic acid	94820	Fast Blue VB salt	64000	Metalphthalein
85663	4,5,4',5'-Dibenzo-3,3'-diethyl-9-methylthiocarbocyanine bromide	44710	Fast Garnet GBC salt, C.I. 37210	64010	Metanil Yellow, C.I. 13065
17490	5',5''-Dibromo-o-cresol-sulfonphthalein	44715	Fast Green FCF, C.I. 42053	64760	4-Methoxyazobenzene
45260	4',5'-Dibromo-2',7'-dinitro-fluorescein	44720	Fast Red B salt, C.I. 37125	66175	Methylcalcein
63869	2',7'-Dibromo-4'-hydroxy-mercurifluorescein disodium salt	44730	Fast Red 3GL salt, C.I. 37040	66177	Methylcalcein Blue
18050	5',5''-Dibromophenolsulfonphthalein	44750	Fast Red RC salt, C.I. 37120	11660	Methylene Azur
18300	5',5''-Dibromopyrogallol-sulfonphthalein	44780	Fast Violet B salt, C.I. 37165	66720	Methylene Blue, C.I. 52015 for med. use
18460	3',3''-Dibromothymolsulfonphthalein	46300	Fat Black, C.I. 26150	66721	Methylene Blue, C.I. 52015
18740	3',3''-Dibromo-p-xylene-sulfonphthalein	84650	Fat Ponceau	66870	Methylene Green, C.I. 52020
23360	2,5-Dichloro-3,6-dihydroxy-1,4-benzoquinone	46290	Fat Red 7B	67060	Methyl Green, C.I. 42585
35850	4',5'-Dichlorofluorescein, C.I. 45365	46290	Fat Red Bluish, C.I. 26050	68250	Methyl Orange, C.I. 13025
25870	3',3''-Dichlorophenolsulfonphthalein	82950	Ferrozine	69130	Methyl Red, C.I. 13020
35620	2,6-Dichloroquinone-4-chloroimide	70540	Flavianic acid sodium salt	69140	Methyl Red sodium salt, C.I. 13020
79350	3,6-Dichloro-2',4',5',7'-tetrabromofluorescein disodium salt	47614	Fluorescamine	88415	Methylthiazolyldiphenyl Tetrazolium, MTT
36860	Differential-Stain Solution	47615	Fluorescamine, Solution in spray tin	69410	Methylthymol Blue sodium salt
05560	1,2-Dihydroxyanthraquinone	46955	Fluorescein, C.I. 45350	69710	Methyl Violet, C.I. 42535
87961	3,3'-(3,3'-Dimethoxy-4,4'-biphenylene)bis(2,5-di(p-nitrophenyl)-2H-tetrazolium chloride)	46920	Fluorescein, C.I. 45350	61135	Methyl Violet 10B
88190	3,3'-(3,3'-Dimethoxy-4,4'-biphenylene)bis(2,5-diphenyl-2H-tetrazolium chloride)	46930	Fluoresceinamine	40300	Methyl Yellow
74030	3,3'-(3,3'-Dimethoxy-4,4'-biphenylene)bis(2-(p-nitrophenyl)-5-phenyl-2H-tetrazolium chloride)	21030	Fluorescein-2,7-bis(methyliminodiacetic acid disodium salt)	69870	Morin, C.I. 75660
39070	4-Dimethylaminobenzaldehyde	46950	Fluorescein isothiocyanate	70010	Murexide, C.I. 56085
39090	4-Dimethylaminobenzalrhodanine	46952	Fluorescein isothiocyanate Isomer I	70460	Naphthol AS, C.I. 37505
39220	5-Dimethylamino-1-naphthalene-sulfonyl chloride	46980	Fluorescein mercuric acetate	70470	Naphthol AS chloroacetate
69130	2-(4-Dimethylaminophenylazo)benzoic acid	46960	Fluorescein sodium, C.I. 45350	70480	α-Naphtholbenzein
40390	Dimethylglyoxime	21030	Fluorexon	70490	Naphthol Blue Black, C.I. 20470
72090	2,9-Dimethyl-1,10-phenanthroline hydrochloride	47614	Fluram®	70550	Naphthol Green B, C.I. 10020
40300	N,N-Dimethyl-4-phenylazoaniline	21981	Fox Green	75360	α-Naphthol Orange
88415	3-(4,5-Dimethyl-2-thiazolyl)-2,5-diphenyl-2H-tetrazolium bromide	48610	Gallocyanine, C.I. 51030	70560	α-Naphtholphthalein
40300	Dimethyl Yellow, C.I. 11020	46160	Geigy Blue 536 med.	70540	Naphthol Yellow S, C.I. 10316
41785	Dimidium bromide	48770	Gentian Violet, C.I. 42535/42555	70890	Naphthylazoxine
42075	4',5'-Dinitrofluorescein	35620	Gibbs' reagent	71110	α-Naphthyl Red hydrochloride
		48900	Giemsa Solution	75410	Natural Red 28
		11700	Giemsa Stain	72090	Neocuproine hydrochloride
		50120	Glycine Thymol Blue	72150	Neotetrazolium chloride, NT
		50680	Glyoxal-bis(2-hydroxyanil)	72160	Neothorin
		50840	G-Orange	72210	Neutral Red, C.I. 50040
		54791	HABA	72470	Nigrosine water soluble, C.I. 50420
		36860	Harris-Shorr's Solution	72480	Nile Blue A, C.I. 5118 (Nile Blue sulfate)
		51470	Hayem's Solution	72490	Ninhydrin
		68250	Helianthin	72491	Ninhydrin
		51210	Hemalaun	74030	Nitro Blue Tetrazolium (chloride)
		51220	Hemalaun acid	74030	Nitro-BT
		51230	Hematein, C.I. 75290	73540	2-Nitrophenol
		51260	Hematoxylin, C.I. 75290	73550	3-Nitrophenol
		51270	Hematoxylin(Harris) Solution	73560	4-Nitrophenol
		46065	Homidium bromide	27130	2-(4-Nitrophenylazo)chromotropic acid disodium salt
		54550	4-Hydroxyazobenzene	73000	4-(4-Nitrophenylazo)-1-naphthol
		63150	3-Hydroxy-4-(2-hydroxyphenylazo)-2-naphthoyl (2,4-dimethylanilide)	73010	4-(4-Nitrophenylazo)orcinol
		21260	3-Hydroxy-4-(2-hydroxy-4-sulfo-1-naphthylazo)naphthalene-2-carboxylic acid	73020	4-(4-Nitrophenylazo)resorcinol
		21280	1-(2-Hydroxy-5-methylphenylazo)-2-naphthol-4-sulfonic acid	05570	5-(3-Nitrophenylazo)salicylic acid
				05580	5-(4-Nitrophenylazo)salicylic acid
				73995	Nitrosulfonazo III

74030	p-Nitrotetrazolium Blue chloride, NBT	86100	2-(4-Sulfophenylazo)-chromotropic acid trisodium salt, SPADNS	10419	(ANS) ₂ Mg
74150	N.N.C.D.-Reagent	86310	Tartrazine, C.I. 19140	10417	ANS-NH ₄
60700	Nuclear Fast Red, C.I. 60760	17470	3',3'',5',5''-Tetrabromo-m-cresol-sulfonphthalpin	11340	Auramine O
75355	Oracet Blue B	45240	2',4',5',7'-Tetrabromofluorescein	13205	BBD
75360	Orange I, C.I. 14600	18030	3',3'',5',5''-Tetrabromophenolsulfonphthalein	14760	BDC-OH
75370	Orange II, C.I. 15510	11950	3,4,5,6-Tetrachloro-2',4',5',7'-tetraiodofluorescein disodium salt	12266	N-[p-(2-Benzimidazolyl)phenyl]maleimide, BIPM
68250	Orange III	87128	Tetracycline	13205	7-Benzylamino-4-nitrobenz-2-oxa-1,3-diazole, BBD
93530	Orange IV	83690	Tetraethylrhodamine	12266	BIPM
75380	Orange G, C.I. 16230	22570	1,2,5,8-Tetrahydroxyanthraquinone	14760	4,4'-Bis(dimethylamino)-diphenylcarbinol, BDC-OH
75400	Orange G Solution	45690	2',4',5',7'-Tetraiodofluorescein disodium salt	56189	Bolton-Hunter Reagent
75410	Orcein, C.I. (Ed. 1) 1242	87748	3,3',5,5'-Tetramethylbenzidine	17623	4-Bromomethyl-7-methoxycoumarin
14690	Oxalic acid bis(cyclohexylidenehydrazide)	87961	Tetranitro Blue tetrazolium chloride, TNBT	25455	7-Chloro-4-nitrobenz-2-oxa-1,3-diazole, NBD-chloride
51270	Papanicolaou's Solution	88190	Tetrazolium Blue chloride, BT	39145	DACM-3
76250	Parafuchsin	93140	Tetrazolium Red	39230	Dansic acid
76250	Pararosanilin, C.I. 42500	88193	Tetrazolium Violet, TV	39225	Dansylamide, DNSA
76270	Patent Blue V, C.I. 42051	88370	Thiazine Red R, C.I. 14780	30428	1-Dansylamido-3-trimethylammoniumpropane iodide
69870	2',3,4',5,7-Pentahydroxyflavone	88390	Thiazol Yellow G, C.I. 19540	30431	Dansylaziridine
77480	9,10-Phenanthrenequinone	88413	1-(2-Thiazolylazo)-2-naphthol, TAN	30432	Dansylcadaverine
77510	o-Phenanthroline hydrochloride	88414	4-(2-Thiazolylazo)resorcinol, TAR	39220	Dansyl chloride, DNSCI
77620	Phenolphthalein	88415	Thiazolyl Blue Tetrazoliumbromide, MTT	39145	N-(7-Dimethylamino-4-methyl-3-coumarinyl)maleimide, DACM-3
77630	Phenolphthalein phosphate pyridine salt	88630	Thioflavine T, C.I. 49005	39225	5-Dimethylaminonaphthalene-1-sulfonamide, DNSA
77640	Phenolphthalexon	88633	Thiofluorescein	39230	5-Dimethylaminonaphthalene-1-sulfonic acid
77650	Phenol Red	88930	Thionin, C.I. 52000	30431	N-(5-Dimethylaminonaphthalene-1-sulfonyl)aziridine
77660	Phenol Red sodium salt	89120	Thorin I, APANS	39220	5-Dimethylaminonaphthalene-1-sulfonyl chloride
77650	Phenolsulfonphthalein	89340	Thymol Blue	39250	4-Dimethylamino-1-naphthyl isothiocyanate, DNTC
18360	Phenoltetrabromophthaleindisulfonic acid disodium salt	89350	Thymol Blue sodium salt	41785	Dimidium bromide
77680	Phenosafranin, C.I. 50200	89360	Thymolphthalein	39225	DNSA
06810	4-Phenylazoaniline, C.I. 11000	89365	Thymolphthalein-3',3''-bis(methyliminodiacetic acid disodium salt)	39220	DNSCI
06830	4-Phenylazoaniline hydrochloride	89365	Thymolphthalein monophosphoric acid disodium salt	39250	DNTC
64760	4-Phenylazoanisole, C.I. 11800	89340	Thymolphthalexon	46065	Ethidium bromide
27140	2-Phenylazochromotropic acid disodium salt	89340	Thymolsulfonphthalein	46540	FAM
71110	4-Phenylazo-1-naphthylamine hydrochloride	50120	Thymolsulfonphthalein-3'-3''-bis(methylaminoacetic acid sodium salt)	46952	FITC
54550	4-Phenylazophenol	69410	Thymolsulfonphthalein-3'-3''-bis(methyliminodiacetic acid disodium salt)	46540	N-(3-Fluoranthyl)maleimide, FAM
79350	Phloxine, C.I. 45405	89460	Tiron	47614	Fluorescamine, Fluram®
28550	Phloxine B	88390	Titan Yellow	46930	Fluoresceinamine
79760	Phthalaldehyde	89640	Toluidine Blue O, C.I. 52040	46950	Fluorescein isothiocyanate
64000	Phthalein Purple	72210	Toluylene Red	46952	Fluorescein isothiocyanate Isomer I, FITC
80450	Picric acid, C.I. 10305	80450	2,4,6-Trinitrophenol	46980	Fluorescein mercuric acetate, FMA
80540	Pinacryptol Yellow	93140	2,3,5-Triphenyltetrazolium chloride, TTC	47614	Fluram Roche
80560	Pinacyanol iodide, C.I. (Ed. 1) 808	93520	Tropaeolin O, C.I. 14270	54600	4-Hydroxybenzhydrazine, 4-Hydroxybenzoylhydrazine
81320	Polychrome Solution	93530	Tropaeolin OO, C.I. 13080	57672	N-(Iodoacetamidoethyl)-1-naphthylamine-5-sulfonic acid, 1,5-I-AEDANS
81450	Ponceau BS, C.I. 26905	75360	Tropaeolin OOO No. 1	64865	7-(4-Methoxybenzylamino)-4-nitrobenz-2-oxa-1,3-diazole, MBD
81465	Ponceau 2R	75370	Tropaeolin OOO No. 2	25455	NBD chloride
81460	Ponceau S, C.I. 27195	93590	Trypan Blue, C.I. 23850	79760	OPTA
81465	Ponceau Xylidine, C.I. 16150	93770	Türk's Solution	77480	9,10-Phenanthrenequinone
81660	Primuline, C.I. 49000	46960	Uranin	79760	o-Phthalaldehyde, OPTA
11340	Pyocyaninum aureum	94820	Variamine Blue B salt, C.I. 37255	82653	4-(3'-Pyrenyl)butyric acid
82960	1-(2-Pyridylazo)-2-naphthol, PAN	14990	Vesuvium	82656	N-(3-Pyrenyl)maleimide
82970	4-(2-Pyridylazo)resorcinol, PAR	94890	Victoria Blue B, C.I. 44045	22535	Quinacrine Mustard dihydrochloride
82950	3-(2-Pyridyl)-5,6-diphenyl-1,2,4-triazine-4,4'-disulfonic acid disodium salt	95290	Water Blue I	89653	6-(4-Toluidino)-2-naphthalenesulfonic acid, TNS
89460	Pyrocatechol-3,5-disulfonic acid disodium salt	95580	Xanthidrol		
15920	Pyrocatecholsulfonphthalein	95582	Xanthidrol 10% Solution in Methanol		
15920	Pyrocatechol Violet	95600	Xylene Cyanol FF, C.I. 43535		
83200	Pyronin G, C.I. 45005	95610	p-Xylenol Blue		
22555	Quinaldine Red	95615	Xylenol Orange		
22570	Quinalizarin, C.I. 58500	95620	p-Xylenolphthalein		
22680	Quinoline Yellow, C.I. 47005	95610	p-Xylenolsulfonphthalein		
83560	Resazurine	81465	Xylidine Ponceau		
93520	Resorcinol Yellow	95640	Xylidyl Blue I		
83690	Rhodamine B, C.I. 45170	96440	Zincon disodium salt		
60530	Rhodizonic acid dipotassium salt				
71940	Rhodizonic acid disodium salt				
47860	Rosaniline				
11950	Rose Bengal, C.I. 45440				
11600	Rosinduline				
83910	p-Rubolic acid, C.I. 43800				
43800	Rubeanic acid				
84071	Ruthenium Red				
84120	Safranin T, C.I. 50420				
84565	Sarcosine Cresol Red				
84650	Scarlet Red				
84650	«Scharlach R»				
84655	Schiff's Reagent Solution				
85470	SNADNS				
86100	SPADNS				
84650	Sudan IV, C.I. 26105				
86015	Sudan Black B, C.I. 26150				
86010	Sudan Red B, C.I. 26110				
46290	Sudan Red 3B				
86100	Sulfanilic acid azochromotrop.				
18360	Sulfobromophthalein Sodium				
85470	2-(4-Sulfo-1-naphthylazo)-chromotropic acid trisodium salt, SNADNS				
86170	Sulfonazo III				

Fluorescent Labels

57672	1,5-I-AEDANS
07110	2-Aminobiphenyl
07130	4-Aminobiphenyl
30432	N-(5-Aminophenyl)-5-dimethylaminonaphthalene-1-sulfonamide
10417	8-Anilinonaphthalene-1-sulfonic acid ammonium salt, ANS-NH ₄
10419	8-Anilinonaphthalene-1-sulfonic acid magnesium salt, (ANS) ₂ Mg
10420	N-(1-Anilinonaphthyl-4) maleimide, ANM

Hormones

1. Adrenal medulla Hormones

02250	L-Adrenaline
02260	L-Adrenaline D-hydrogentartrate
74470	DL-Arterenol
74490	DL-Arterenol hydrochloride
74460	L-Arterenol
74480	L-Arterenol hydrochloride
74500	L-Arterenol L-hydrogentartrate
02250	L-Epinephrine
02260	L-Epinephrine D-hydrogentartrate
74470	DL-Noradrenaline
74490	DL-Noradrenaline hydrochloride
74460	L-Noradrenaline
74480	L-Noradrenaline hydrochloride
74500	L-Noradrenaline L-hydrogentartrate
74470	DL-Norepinephrine
74490	DL-Norepinephrine hydrochloride
74460	L-Norepinephrine
74480	L-Norepinephrine hydrochloride
74500	L-Norepinephrine L-hydrogentartrate

2. Thyroid Hormones

38120	3,5-Diiodo-DL-thyronine
38100	3,5-Diiodo-L-thyronine
38130	3,5-Diiodo-L-tyrosine
38130	Iodogorgoic acid
89410	3,3',5,5'-Tetraiodo-D-thyronine
89420	3,3',5,5'-Tetraiodo-DL-thyronine
89430	3,3',5,5'-Tetraiodo-L-thyronine sodium salt
89410	D-Thyroxine
89420	DL-Thyroxine
89430	L-Thyroxine sodium salt
91990	3,3',5-Triiodo-L-thyronine
92010	3,3',5-Triiodo-L-thyronine sodium salt

3. Pineal gland Hormone

63610	N-Acetyl-5-methoxytryptamine
63610	Melatonin

4. Juvenile Hormones

45361	Bower-compound
59993	Cecropia-Hormone
59993	3,11-Dimethyl-10,11-epoxy-7-ethyl-2,6-tridecadienic acid methylester
44656	α -Ecdyson
45343	Epofenonan
45343	6,7-Epoxy-3-ethyl-1-(p-ethylphenoxy)-7-methylnonane (mixture of stereoisomers)
45361	6,7-Epoxygeranyl-3,4-methylene-dioxyphenyl ether
59992	trans,trans-10,11-Epoxy-3,7,11-trimethyl-2,6-dodecadienic acid methylester
46197	Farnesylmethyl ether
59992	C ₁₈ -Juvenile Hormone
59993	C ₁₈ -Juvenile Hormone
59992	Manduca-Hormone

5. Peptide Hormones

Gastrin Series, synthetic	
53674	HG-13
53669	HG-14
53673	HG-17
53670	HG-34
53671	[HG-34] ¹⁻²⁰
53670	Human Big Gastrin I
53671	Human Big Gastrin (1-20)
53673	Human Gastrin I
61887	[15-Leucine]-Human Gastrin I
53669	Human Mini Gastrin I (2nd Gregory Structure)
53674	Human Mini Gastrin I (1st Gregory Structure)
61893	[11-Leucine]-Human Mini Gastrin I
61893	LGH-13
61887	LGH-17
Motilin Series, synthetic	
61895	[13-Leucine, 14-glutamic acid]-Motilin, porcine (revised Brown Structure)
74590	[13-Norleucine, 14-glutamic acid]-Motilin, porcine (revised Brown Structure)
Secretin Series, synthetic	
31193	DATA-Secretin (Desaminotyrosyl- β -alanyl-secretin)
84875	Secretin, porcine
Pancreatic Hormones	
49090	Glucagon hydrochloride
57590	Insulin

Miscellaneous

53672	HCT synthetic
53672	Human Calcitonin M, synthetic
61885	[5-Leucine] Enkephalin
64365	[5-Methionine] Enkephalin

6. Phytohormones and plant growth factors

00015	ABA
00015	Abscisic acid
01810	Actidione
13151	N ⁶ -Benzyladenine
13151	6-Benzylaminopurine
70660	BNOA
23068	2-Chloroethyltrimethylammonium chloride
25190	4-Chloro-2-methylphenoxyacetic acid
25890	4-Chlorophenoxyacetic acid
23068	Choline dichloride

27650	Colchicine
27660	Colchicoside
27660	Colchicum glucoside colchicoside
28180	m-Coumaric acid
28170	o-Coumaric acid
28190	p-Coumaric acid
25890	4-CPA
01810	Cycloheximide
36210	2,4-D
35900	α,β -Dichloroisobutyric acid sodium salt
35900	2,3-Dichloro-2-methylpropionic acid sodium salt
36210	2,4-Dichlorophenoxyacetic acid
63270	1,2-Dihydro-3,6-pyridazinedione
90200	trans-2-Dodecenedioic acid
00015	Dormin
03470	Ethylene
48180	2-Furanacrylic acid
48130	N ⁶ -Furfuryladenine
48130	6-Furfurylamino-purine
48180	3-(2-Furyl)acrylic acid
48880	GA ₃
48870	GA ₃ (80%, balance other GA's)
48880	Gibberellic acid
48870	Gibberellin
57330	Heteroauxin
54340	2-Hydrazinoethanol
28170	trans-2-Hydroxycinnamic acid
28180	trans-3-Hydroxycinnamic acid
28190	trans-4-Hydroxycinnamic acid
54340	2-Hydroxyethylhydrazine
54350	3-(2-Hydroxyethyl)indole
90275	1-Hydroxytriacontane
57330	IAA
57310	IBA
57330	3-Indoleacetic acid
57260	3-Indoleacetamide
57280	3-Indoleacetoneitrile
57310	3-Indolebutyric acid
54350	3-Indoleethanol
57400	3-Indolepropionic acid
57300	3-Indolepyruvic acid
57330	3-Indolylacetic acid
57260	3-Indolylacetamide
57280	3-Indolylacetoneitrile
57310	4-(3-Indolyl)butyric acid
54350	2-(3-Indolyl)ethanol
57300	3-Indolylpyruvic acid
57400	3-(3-Indolyl)propionic acid
48130	Kinetin
63270	Maleic hydrazide
25190	MCPA
00015	3-Methyl-5-(1-hydroxy-4-oxo-2,6,6-trimethyl-2-cyclohexenyl)-2,4-pentadienic acid
70900	NAA
70970	NAA-sodium salt
70900	1-Naphthaleneacetic acid
70970	1-Naphthaleneacetic acid sodium salt
70660	2-Naphthoxyacetic acid
70900	1-Naphthylacetic acid
70970	1-Naphthylacetic acid sodium salt
63270	3,6-Pyridazinediol
91370	2,4,5-T
91970	TIBA
90200	Traumatic acid
90275	Triacontanol
91370	2,4,5-Trichlorophenoxyacetic acid
91970	2,3,5-Triiodobenzoic acid
54350	Tryptophol

Lipids**Glycerides**

49950	Acetin
11900	Batyl alcohol
31431	α,γ -Diacetin
37163	D- α,β -Dihexadecylglycerol
37164	DL- α,β -Dihexadecylglycerol
37165	α,γ -Dihexadecylglycerol
42496	Dioclein (mixture of the α,β - and α,γ -isomers)
42553	D- α,β -Dipalmitin
42554	DL- α,β -Dipalmitin
42555	α,γ -Dipalmitin
43696	D- α,β -Distearin
43697	DL- α,β -Distearin
52301	L- α -Hexadecylglycerol
52302	DL- α -Hexadecylglycerol
52303	β Hexadecylglycerol

49950	Monoacetin
49960	Monoolein
76184	L- α -Monopalmitin
76185	DL- α -Monopalmitin
85676	L- α -Monostearin
85678	DL- α -Monostearin
11900	DL- α -Octadecylglycerol
49960	Olein
76184	L- α -Palmitin
76185	DL- α -Palmitin
85676	L- α -Stearin
85678	DL- α -Stearin
90240	Triacetin
90601	Triarachin
91010	Tributylin
91022	Tricaprin
91029	Tricaproin
91039	Tricaprylin
92855	Triheptanoin
91029	Trihexanoin
92109	Trilaurin
92779	Trimyristin
92909	Trinonanoin
91039	Triocetanoin
92855	Triocentanoin
92859	Triolein
92902	Tripalmitin
92909	Tripelargonin
93401	Tristearin
93495	Triundecanoin

Phosphoglycerides

60650	Cephalin animal
33455	L- β,γ -Diarachinoyl- α -cephalin
36820	DL- β,γ -Dielaidinoyl- α -lecithin
37161	L- β,γ -Dihexadecyl- α -cephalin
37179	L- β,γ -Dihexadecyl- α -lecithin
37180	DL- β,γ -Dihexadecyl- α -lecithin
38482	L- β,γ -Dilauroyl- α -cephalin
38483	L- β,γ -Dilauroyl- α -lecithin
38484	DL- β,γ -Dilauroyl- α -lecithin
41805	L- β,γ -Dimyristoyl- α -cephalin
41803	L- β,γ -Dimyristoyl- α -lecithin
41804	DL- β,γ -Dimyristoyl- α -lecithin
41806	L- β,γ -Dimyristoyl- α -phosphatidic acid disodium salt
42497	DL- β,γ -Dioleoyl- α -lecithin
42549	L- β,γ -Dipalmitoyl- α -cephalin
42551	DL- β,γ -Dipalmitoyl- α -cephalin
42552	L- β,γ -Dipalmitoyl-N,N-dimethyl- α -cephalin
42562	DL- β,γ -Dipalmitoyl-N,N-dimethyl- α -cephalin
42556	L- β,γ -Dipalmitoyl- α -lecithin
42557	DL- β,γ -Dipalmitoyl- α -lecithin
41559	α,γ -Dipalmitoyl- β -lecithin
42558	L- β,γ -Dipalmitoyl-N-methyl- α -cephalin
42561	DL- β,γ -Dipalmitoyl-N-methyl- α -cephalin
67738	L- β,γ -Dipalmitoyl-O-methyl- α -lecithin hydroxide
41807	L- β,γ -Dipalmitoyl- α -phosphatidic acid disodium salt
41808	DL- β,γ -Dipalmitoyl- α -phosphatidic acid disodium salt
43695	L- β,γ -Distearoyl- α -cephalin
43698	L- β,γ -Distearoyl- α -lecithin
50035	(+)-Glycerol phosphorylcholine cadmium chloride complex
50042	L- α -Glycerophosphate calcium salt
50043	Glycerophosphate calcium salt (mixture of the α - and β -isomer)
50010	DL- α -Glycerophosphate disodium salt
50020	β -Glycerophosphate disodium salt
50043	Glycerophosphate calcium salt (mixture of the α - and β -isomer)
52311	L- β,γ -Hexadecylidene- α -cephalin
52312	L- β,γ -Hexadecylidene- α -lecithin
52313	DL- β,γ -Hexadecylidene- α -lecithin
61755	Lecithin from eggs
67738	L-O-Methyl- α -lecithin
75336	L- β -Oleoyl- γ -palmitoyl- α -cephalin
75337	DL- β -Oleoyl- γ -palmitoyl- α -cephalin
75339	L- β -Oleoyl- γ -palmitoyl-N,N-dimethyl- α -cephalin
75340	DL- β -Oleoyl- γ -palmitoyl-N,N-dimethyl- α -cephalin
75353	L- β -Oleoyl- γ -palmitoyl- α -lecithin
75354	DL- β -Oleoyl- γ -palmitoyl- α -lecithin
75341	DL- β -Oleoyl- γ -palmitoyl-N-methyl- α -cephalin

75343 DL- β -Oleoyl- γ -palmitoyl-O-methyl- α -
phosphatidic acid barium salt
76180 DL- γ -Palmitoyl- α -lysocephalin
76181 DL- γ -Palmitoyl- β -lysocephalin
76182 DL- γ -Palmitoyl-N,N-dimethyl- α -
lysocephalin
76186 DL- γ -Palmitoyl- α -lysolecithin
85800 DL- γ -Stearoyl- α -lysolecithin

Sphingolipids

85620 Sphingomyelin

Metabolites and Metabolic Intermediates

00070 Acetaldehyde
00540 Acetoin
54142 Acetol
01090 Acetylcholine bromide
01020 Acetylcholine chloride
01030 Acetylcholine iodide
01139 N-Acetyl-D-galactosamine
01140 N-Acetyl-D-glucosamine
01400 N-Acetylneuraminic acid
01590 cis-Aconitic acid
01621 cis-Aconitic anhydride
01600 trans-Aconitic acid
05160 β -Alanine
05670 Allantoin
10680 2-Aminobenzoic acid
07240 4-Aminobutyric acid
86330 2-Aminoethanesulfonic acid
02400 2-Aminoethanol
53600 L-2-Amino-4-hydroxybutyric acid
08220 4-Amino-5-imidazolecarboxamide
hydrochloride
08290 DL- β -Aminoisobutyric acid
08340 δ -Aminolevulinic acid hydrochloride
09280 1-Amino-2-propanol
10680 Anthranilic acid
11310 DL-Atrolactic acid
11710 Barbituric acid
12349 Benzoic acid
71300 Benzoic acid sodium salt
14290 Betaine anhydrous
14295 Betaine hydrochloride
14300 Betaine monohydrate
14369 Bilirubin
18965 D(-)-2,3-Butanediol
31530 2,3-Butanedione
33211 Cadaverine
60020 Caffeic acid
21780 Carbamyl phosphate dilithium salt
22020 ($\pm$)-Carnitine chloride
22030 L-Carnosine
22040 β -Carotene
15880 Catechol
25730 Chlorophyll a
25740 Chlorophyll b
26970 Choline 50% in water
26980 Choline chloride
27043 Chondroitine sulfate sodium salt
27420 Citraconic acid
27429 Citraconic anhydride
27455 DL-Citramalic acid dipotassium salt
27488 Citric acid anhydrous
27490 Citric acid monohydrate
71405 Citric acid trisodium salt
27520 DL-Citrulline
27510 L-Citrulline
27530 L-Citrulline monohydrochloride
02400 Colamine
27640 Colamine phosphate
27890 Creatine anhydrous
27900 Creatine monohydrate
27950 Creatine phosphate barium salt
27920 Creatine phosphate disodium salt
27910 Creatinine
30060 DL,DL-allo-Cystathionine
30790 Dehydro-L-ascorbic acid
31170 2-Deoxy-D-ribose
31530 Diacetyl
32790 1,4-Diaminobutane
32810 1,4-Diaminobutane dihydrochloride
32840 DL-2,4-Diaminobutyric acid dihydro-
chloride
32830 L-2,4-Diaminobutyric acid dihydro-
chloride
33211 1,5-Diaminopentane

33240 DL-2,6-Diaminopimelic acid
75680 Diethyl 2-methyl-3-oxo succinate
75680 Diethyl oxalopropionate
37420 Dihydroxyacetone
60020 3,4-Dihydroxycinnamic acid
37690 Dihydroxyfumaric acid
53560 2,5-Dihydroxyphenylacetic acid
37840 3-(3,4-Dihydroxyphenyl)-D-alanine
37830 3-(3,4-Dihydroxyphenyl)-L-alanine
37990 Dihydroxytartaric acid disodium salt
38130 3,5-Diiodo-L-tyrosine
89450 trans-2,3-Dimethylacrylic acid
39580 5,6-Dimethylbenzimidazole
40360 N,N-Dimethylglycine
41540 3,5-Dimethylpyrazole
68253 Dimethylpyruvic acid sodium salt
37840 D-Dopa
37830 L-Dopa
56610 Dopamine hydrochloride
02850 Ethanol
02400 Ethanolamine
02850 Ethyl alcohol
68256 Ethylmethylpyruvic acid
46191 Farnesol
47620 Folic acid
47810 D-Fructose 1,6-diphosphate trisodium
salt
47820 D-Fructose 1-phosphate barium salt
47900 Fumaric acid
47970 Fumaric acid disodium salt
49120 D(+)-Gluconic acid- δ -lactone
49130 D(+)-Glucosamine hydrochloride
49132 D-Glucosaminic acid
49220 α -D-Glucose 1-phosphate dipotassium
salt
49230 α -D-Glucose 1-phosphate disodium salt
49240 D-Glucose 6-phosphate barium salt
49280 D-Glucose 6-phosphate disodium salt
49282 β -D-Glucose 6-phosphate sodium salt
49330 D-Glucuronic acid
49340 D(+)-Glucuronic acid- γ -lactone
49660 Glutaric acid
49670 Glutaric anhydride
49740 L-Glutathione oxid., GSSG
49750 L-Glutathione red., GSH
49800 D(+)-Glyceraldehyde
49810 DL-Glyceraldehyde
49790 L(-)-Glyceraldehyde
49830 DL-Glyceraldehyde 3-phosphate
diethylacetal barium salt
50030 DL-Glyceric acid
49770 Glycerol
50042 DL-Glycerol 1-phosphate calcium salt
50010 DL-Glycerol 1-phosphate disodium salt
50020 Glycerol 2-phosphate disodium salt
50560 Glycocyamine
50580 Glycolaldehyde
50590 Glycolic acid
50710 Glyoxylic acid
50740 Glyoxylic acid sodium salt
51690 L-Gulonic acid- γ -lactone
51543 Heparin ammonium salt
51545 Heparin lithium salt
51544 Heparin potassium salt
51550 Heparin sodium salt
53270 Hippuric acid
53290 Histamine
53300 Histamine dihydrochloride
53400 L-Histidinol dihydrochloride
53510 DL-Homocysteine
53530 DL-Homocysteine thiolactone hydro-
chloride
53550 DL-Homocystine
53540 L-Homocystine
53560 Homogentisic acid
53600 L-Homoserine
53620 Homovanillic acid
54142 Hydroxyacetone
54541 3-Hydroxyanthranilic acid hydro-
chloride
00540 3-Hydroxy-2-butanone
54960 DL-2-Hydroxybutyric acid sodium salt
54930 DL-3-Hydroxybutyric acid
54965 DL-3-Hydroxybutyric acid sodium salt
54970 4-Hydroxybutyric acid sodium salt
55200 D(-)-2-Hydroxy-3,3-dimethyl- γ -
butyrolactone
55285 L-2-Hydroxyglutaric acid disodium salt
55290 L-2-Hydroxyglutaric acid zinc salt
55360 5-Hydroxy-3-indoleacetic acid
55380 α -Hydroxyisobutyric acid
55430 DL- α -Hydroxyisocaproic acid

55450 DL- α -Hydroxyisovaleric acid
55500 DL-5-Hydroxylysine hydrochloride
(and DL-allo-)
75660 Hydroxymaleic acid
55600 4-Hydroxy-3-methoxy-DL-mandelic
acid
53620 4-Hydroxy-3-methoxyphenyl-
acetic acid
56410 6-Hydroxynicotinic acid
56111 4-Hydroxyphenylpyruvic acid
56290 3-Hydroxypropionic acid
56410 2-Hydroxypyridine-5-carboxylic acid
56590 5-Hydroxy-DL-tryptophan
56610 3-Hydroxytyramine hydrochloride
56640 DL-2-Hydroxy-n-valeric acid
57190 Indole
57330 3-Indoleacetic acid
57210 3-Indolecarboxaldehyde
57300 3-Indolepyruvic acid
58120 3-Iodo-L-tyrosine
58780 ($\pm$)-Isocitric acid lactone
58800 ($\pm$)-Isocitric acid trisodium salt
58930 Isonicotinic acid
09280 Isopropanolamine
59950 Itaconic acid
59960 Itaconic anhydride
 α -Keto acids see 2-Oxo acids
61260 Kynurenic acid
61250 DL-Kynurenine
69773 L(+)-Lactic acid
21185 L(+)-Lactic acid calcium salt
71720 DL-Lactic acid sodium salt
71718 L(+)-Lactic acid sodium salt
61380 Levulinic acid
62320 DL- α -Lipoic acid
62330 DL- α -Lipoamide
63180 Maleic acid
63260 Maleic acid disodium salt
02300 D(+)-Malic acid
02310 DL-Malic acid
02290 L(-)-Malic acid
63290 Malonic acid
63450 D(-)-Mandelic acid
63470 DL-Mandelic acid
63460 L(+)-Mandelic acid
63610 Melatonin
63880 Mesaconic acid
63980 Mesoxalic acid
71740 Mesoxalic acid disodium salt
64430 DL-Methionine sulfoxide
64420 L-Methionine sulfoxide
89450 trans-2-Methyl-2-butenic acid
68256 Methylthylpyruvic acid
84530 N-Methylglycine
67030 Methylglyoxal 50% in H₂O
67035 Methylglyoxal dimethyl acetal
63880 Methylfumaric acid
75680 Methylxaloacetic acid diethyl ester
68253 3-Methyl-2-oxobutyric acid sodium salt
68256 3-Methyl-2-oxovaleric acid
69761 DL-Mevalolactone
69761 DL-Mevalonic acid lactone
72340 Nicotinamide
72310 Nicotinic acid
74460 L-Noradrenaline
74460 L-Norepinephrine
75490 DL-Ornithine monohydrochloride
75470 L-Ornithine monohydrochloride
75500 Orotic acid anhydrous
75510 Orotic acid monohydrate
75660 Oxalacetic acid
75700 Oxalic acid dihydrate
71800 Oxalic acid sodium salt
75820 2-Oxobutyric acid
75825 2-Oxobutyric acid sodium salt
75890 2-Oxoglutaric acid
75891 2-Oxoglutaric acid calcium salt
75893 2-Oxoglutaric acid monosodium salt
68255 2-Oxoisocaproic acid
68253 2-Oxoisovaleric acid sodium salt
68256 2-Oxo-3-methyl-n-valeric acid
75950 2-Oxo-n-valeric acid
76200 D-Panthenol
55200 D-Pantolactone
76210 D-Pantothenic acid
21210 D-Pantothenic acid calcium salt
78490 Phenylacetic acid
78840 DL-3-Phenyllactic acid
78842 L(-)-3-Phenyllactic acid
78190 Phenylpyruvic acid
78200 Phenylpyruvic acid sodium salt
27640 O-Phosphocolamine

79430	Phosphoenolpyruvate triscyclohexyl-amine salt
79450	6-Phosphogluconate barium salt
79450	6-Phosphogluconic acid barium salt
79480	D-2-Phosphoglycerate barium salt
79490	D-3-Phosphoglycerate barium salt
79480	D-2-Phosphoglyceric acid barium salt
79490	D-3-Phosphoglyceric acid barium salt
79710	DL-Phosphoserine
80191	Phytol
58930	γ-Picolinic acid
07240	Piperidinic acid
81910	Propionic acid
82510	Protoporphyrin IX-dimethyl ester
82512	Protoporphyrin disodium salt
47620	Pteroylglutamic acid
32790	Putrescine
15880	Pyrocatechol
83237	Pyrrole-2-carboxylic acid
15930	Pyruvic acid
15990	Pyruvic acid sodium salt
84082	Quercetin-3-rutinoside
22580	D(–)-Quinic acid
22690	Quinolinic acid
83870	D-Ribose 5-phosphate barium salt
84082	Rutin
84530	Sarcosine
85030	Serotonine creatininesulfate
85040	Serotonine hydrogenmaleate
85050	Serotonine hydrogenoxalate
85091	Shikimic acid
85561	Spermidine
85570	Spermidine phosphate
85580	Spermidine trihydrochloride
85590	Spermine
85600	Spermine phosphate
85610	Spermine tetrahydrochloride
85620	Sphingomyelin
14079	Succinic acid
14170	Succinic acid disodium salt
14089	Succinic anhydride
95320	D(+)–Tartaric acid
95330	DL–Tartaric acid
95310	L(–)-Tartaric acid
95350	meso–Tartaric acid
86320	Tartronic acid
86330	Taurine
87355	Tetrahydrofolic acid dihydrochloride
62320	DL–Thioctic acid
62330	DL–Thioctic acid amide
89430	L–Thyroxine sodium salt
89450	Tiglic acid
51449	2,6,8-Trihydroxypurine
11710	2,4,6-Trihydroxypyrimidine
93640	Tryptamine
93650	Tryptamine hydrochloride
93810	Tyramine
93820	Tyramine hydrochloride
75500	Uracil-4-carboxylic acid
51459	Urea
94290	Ureidosuccinic acid
51449	Uric acid
94460	Urocanic acid
94770	Vanillic acid
55600	DL–Vanillylmandelic acid
84082	Vitamin P
95570	Xanthurenic acid

Natural Dyes

10898	Apigenin
15860	Brazilin
22000	Carmin
22040	β-Carotene
22100	(+)-Catechin hydrate
22120	(–)-Catechin
22130	(±)-Catechin
25730	Chlorophyll a
25740	Chlorophyll b
27125	Chromone
27260	Chrysophanic acid
27260	Chrysophanol
28260	Curcumin
28500	Cyanidine-3,5-diglucoside
28500	Cyanine chloride
28260	Diferoylmethane
37290	Dihydrofisetin
37380	(+)-Dihydroquercetin
27260	1,8-Dihydroxy-3-methylanthraquinone

60730	4,9-Dimethoxy-7-methylfuro[3,2-g]1]benzopyran-5-one
63440	3',5'-Dimethoxy-3,4',5,7-tetrahydroxyflavylum chloride 3,5-diglucoside
45170	Emodin
45300	(–)-Epicatechin
46350	Fisetin
46370	Flavone
37290	Fustin
48290	Galangin
70050	3,3',4',5,5',7-Hexahydroxyflavone
51230	Hematein
51240	Hematoporphyrin
51250	Hematoporphyrin dihydrochloride
51260	Hematoxylin
52040	Hesperidin
52040	Hesperetin-7-rutinoside
93979	7-Hydroxycoumarin
56980	Indigo (Indigotin)
60000	Kaempferide
60010	Kaempferol
60730	Khellin
63440	Malvin chloride
63440	Malvidin-3,5-diglucoside
52040	4'-Methoxy-3',5,7-trihydroxyfavanone-7-rutinoside
60000	4'-Methoxy-3,5,7-trihydroxyflavone
45170	2-Methyl-4,5,7-trihydroxyanthraquinone
69870	Morin
70050	Myricetin
71160	Naringin
71160	Naringenin-7-rhamnoglucoside
76320	Pelargonidine chloride
22100	trans-3,3',4',5,7-Pentahydroxyflavane
22130	flavane
45300	cis-3,3',4',5,7-Pentahydroxyflavane
37380	trans-3,3',4',5,7-Pentahydroxyflavanone
69870	2',3,4',5,7-Pentahydroxyflavone
83370	3,3',4',5,7-Pentahydroxyflavone
84082	3,3',4',5,7-Pentahydroxyflavone-3-rutinoside
28500	3,3',4',5,7-Pentahydroxyflavylum chloride 3,5-diglucoside
46370	2-Phenylchromone
79320	Phlorizin
83370	Quercetin
84082	Quercetin-3-rutinoside
60010	Robigenin
84082	Rutin
87128	Tetracycline
37290	trans-3,3',4',7-Tetrahydroxyflavanone
46350	3,3',4',7-Tetrahydroxyflavone
60010	3,4',5,7-Tetrahydroxyflavone
76320	3,4',5,7-Tetrahydroxyflavylum chloride
48290	3,5,7-Tetrahydroxyflavone
10898	4',5,7-Trihydroxyflavone
71160	4',5,7-Trihydroxyflavone-7-rhamnoglucoside
93979	Umbelliferone
94470	(–)-Usnic acid
94480	(+)-Usnic acid

Nucleosides and Nucleotides

01890	Adenosine
01895	Adenosine-3',5'-cyclophosphoric acid
01897	Adenosine 5'-diphosphate disodium salt, 5'-ADP-Na ₂
01900	Adenosine 5'-diphosphate trisodium salt, 5'-ADP-Na ₃
01930	Adenosine 5'-monophosphate disodium salt pentahydrate, 5'-AMP-Na ₂
01950	Adenosine-3'-monophosphoric acid, 3'-AMP (3'-Adenylic acid)
01960	Adenosine-3' (+2')-monophosphoric acid, 3' (+2')-AMP (yeast Adenylic acid)
01970	Adenosine-5'-monophosphoric acid, 5'-AMP (muscle Adenylic acid)
02060	Adenosine 5'-triphosphate disodium salt, 5'-ATP-Na ₂
02080	Adenosine-5'-triphosphoric acid, 5'-ATP
01900	ADP
01970	AMP

02060	ATP
11385	5-Azacytidine
16880	5-Bromo-2'-deoxyuridine
18670	5-Bromouridine
26270	6-Chloropurine riboside
30280	CDP
30300	CMP
43410	Coenzyme I
43420	Coenzyme I reduced form
93210	Coenzyme II
93220	Coenzyme II reduced form
30320	CTP
30270	Cytidine
30280	Cytidine 5'-diphosphate trisodium salt, 5'-CDP-Na ₃
30340	Cytidine 3'(+2')-monophosphate disodium salt, 3'(+2')-CMP-Na ₂
30300	Cytidine-5'-monophosphoric acid, 5'-CMP
30330	Cytidine-3' (+2')-monophosphoric acid, 3'(+2')-CMP (Cytidylic acid)
30320	Cytidine 5'-triphosphate disodium salt, 5'-CTP-Na ₂
30920	2'-Deoxyadenosine
30930	2'-Deoxyadenosine 5'-monophosphate diammonium salt
31010	2'-Deoxycytidine hydrochloride
31030	2'-Deoxycytidine-5'-monophosphoric acid (Deoxycytidylic acid)
31070	2'-Deoxyguanosine
31080	2'-Deoxyguanosine 5'-monophosphate disodium salt
31110	2'-Deoxyinosine
31160	Deoxyribonucleic acid
31180	2'-Deoxyuridine
43410	Diphosphopyridine nucleotide, DPN
43410	DPN
43420	Diphosphopyridine nucleotide reduced disodium salt
46360	FAD
46360	Flavin adenine dinucleotide disodium salt, FAD-Na ₂
83810	Flavin mononucleotide sodium salt
46875	5-Fluoro-2'-deoxyuridine
83810	FMN
51070	GDP
51110	GMP
51120	GTP
51050	Guanosine
51055	Guanosine 3',5'-cyclophosphate monosodium salt
51060	Guanosine-3'-5'-cyclophosphoric acid
51070	Guanosine 5'-diphosphate trisodium salt, 5'-GDP-Na ₃
51080	Guanosine 3'(+2')-monophosphate disodium salt, 3'(+2')-GMP-Na ₂
51090	Guanosine 5'-monophosphate disodium salt, 5'-GMP-Na ₂
51110	Guanosine-5'-monophosphoric acid, 5'-GMP (5'-Guanylic acid)
51120	Guanosine 5'-triphosphate disodium salt, 5'-GTP-Na ₂
57480	IDP
57830	IDU
57510	IMP
57470	Inosine
57480	Inosine 5'-diphosphate disodium salt, 5'-IDP-Na ₂
57510	Inosine 5'-monophosphate disodium salt, 5'-IMP-Na ₂
57830	5-Iodo-2'-deoxyuridine
58150	5-Iodouridine
59440	2',3'-O-Isopropylideneadenosine
63830	6-Mercaptopurine-9-β-D-ribofuranoside
43410	NAD
43420	NADH ₂
93210	β-NADP-Na
93220	β-NADPH ₂ -Na ₄
43410	Nicotinamide adenine dinucleotide, NAD
43420	Nicotinamide adenine dinucleotide reduced disodium salt, NADH ₂
93210	Nicotinamide adenine dinucleotide phosphate sodium salt, β-NADP-Na
93220	Nicotinamide adenine dinucleotide phosphate reduced tetrasodium salt, β-NADPH ₂ -Na ₄
83850	Nucleic acid
82590	Purine-9-β-D-ribofuranoside
46360	Riboflavin-5'-adenosine diphosphate disodium salt

83810	Riboflavin 5'-monophosphate sodium salt, FMN-Na (Riboflavin mono-nucleotide sodium salt)
63830	9-(β-D-Ribofuranosyl) purine-6-thiol
83850	Ribonucleic acid
89270	Thymidine
89290	Thymidine 5'-monophosphate disodium salt, 5'-TMP-Na ₂
89370	Thymonucleic acid
89290	TMP
93210	Triphosphopyridine nucleotide
93220	Triphosphopyridine nucleotide reduced form
94330	UDP
94350	UMP
94320	Uridine cryst.
94330	Uridine 5'-diphosphate disodium salt, 5'-UDP-Na ₂
94350	Uridine 5'-monophosphate disodium salt, 5'-UMP-Na ₂
94410	Uridine 3'(+2')-monophosphate disodium salt, 3'(+2')-UMP-Na ₂
94390	Uridine-3'(+2')-monophosphoric acid, 3'(+2')-UMP (Uridylic acid)
94370	Uridine 5'-triphosphate trisodium salt, 5'-UTP-Na ₃
94370	UTP

Oligonucleotide Synthesis

00570	Acetone
45830	Acetic anhydride
00700	Acetonitrile
10490	4-Aminoanisole
07750	4-Amino-N,N-dimethylaniline
09525	4-Aminophenyltriphenylmethane
10400	Aniline
10440	Anisaldehyde
10490	4-Anisidine
12010	Benzaldehyde
12040	Benzaldoxime
12025	Benzaldehyde dimethyl acetal
78181	Benzeneboronic acid
42880	Benzhydrol
12370	Benzoic anhydride
12755	Benzophenone hydrazone
12930	Benzoyl chloride
12961	Benzoyl cyanide
13055	3-Benzoylpropionic acid
13250	Benzyl bromide
56011	2-Bromomethyl-4-nitrophenol
18560	Bromotriphenylmethane
19905	tert-Butyldimethylchlorosilane
20680	Butyl vinyl ether
21860	1,1'-Carbonyldiimidazole
24550	Chloroacetic anhydride
22880	Chloroacetyl chloride
25580	4-Chloro-2-nitrophenol
25820	2-Chlorophenol
93000	Chlorotriphenylmethane
56270	2-Cyanoethyl phosphate barium salt dihydrate
29440	Cyclohexyl isocyanide
29469	N-Cyclohexyl-N'-(2-morpholino-ethyl)carbodiimide metho-p-toluenesulfonate
34659	Di-tert-butyl dicarbonate
36650	N,N'-Dicyclohexylcarbodiimide
11624	Diethyl azodicarboxylate
32089	Diethyl chlorophosphite
37350	3,4-Dihydro-2H-pyran
38619	2,4-Dimethoxybenzaldehyde
38827	4,4'-Dimethoxytrityl chloride
39070	4-Dimethylaminobenzaldehyde
03450	N-(3-Dimethylaminopropyl)-N'-ethyl-carbodiimide hydrochloride
40271	N,N-Dimethylformamide dimethyl acetal
40281	N,N-Dimethylformamide dineopentyl acetal
07750	N,N-Dimethyl-1,4-phenylenediamine
62760	2,6-Dimethylpyridine
42160	2,4-Dinitrophenol
42010	2,4-Dinitrophenylsulfenyl chloride
42880	Diphenyl carbonyl
42900	Diphenyl carbonate
79630	Diphenyl chlorophosphate
12755	Diphenyldiazomethane precursor
42960	Diphenyl disulfide
79630	Diphenyl phosphoryl chloride

43792	2,2'-Dipyridyl disulfide
43792	2,2'-Dithiodipyridine
02520	Ethoxyacetylene
56270	Ethylene cyanohydrin
05010	Ethyl vinyl ether
46915	9-Fluorenylmethanol
54490	2-(2-Hydroxyethyl)pyridine
56011	2-Hydroxy-5-nitrobenzyl bromide
56270	3-Hydroxypropionitrile
23191	Isobutyl chloroformate
58390	Isobutyric anhydride
58420	Isobutyryl chloride
29440	Isocyanocyclohexane
59890	Isovaleryl chloride
62760	2,6-Lutidine
63690	2-Mercaptoethanol
83366	Mercury(II) chloride
63932	2-Mesitylenesulfonyl chloride
63937	1-(2-Mesitylenesulfonyl)imidazole
63938	1-(2-Mesitylenesulfonyl)-1H-1,2,4-triazole
10490	4-Methoxyaniline
10440	4-Methoxybenzaldehyde
65367	4-Methoxytrityl chloride
59890	3-Methylbutyryl chloride
67815	4-(Methylthio)phenol
69677	Methyl vinyl ether
70980	1-Naphthyl isocyanate
73055	1-(4-Nitrobenzenesulfonyl)-1H-1,2,4-triazole
73120	4-Nitrobenzoyl chloride
73140	2-Nitrobenzyl alcohol
73180	2-Nitrobenzyl chloride
23240	4-Nitrophenyl chloroformate
71770	4-Nitrophenyl phosphate disodium salt
73740	2-Nitrophenylsulfenyl chloride
15926	o-Phenylene phosphorochloridate
77740	Phenoxyacetic acid
78181	Phenylboric acid
12961	Phenylglyoxylonitrile
71900	Phenyl phosphate disodium salt
79655	Phosphorus thiochloride
79670	Phosphorus trichloride
80910	Pivaloyl chloride
82702	Pyridine
82760	Pyridine-2-carboxaldoxime
54490	2-(2-Pyridyl)ethanol
71770	di-Sodium 4-nitrophenyl phosphate
71900	di-Sodium phenyl phosphate
86872	Tetrabutylammonium fluoride
75588	Tetramethyl orthocarbonate
89812	1-(Toluene-4-sulfonyl)imidazole
90780	Tributylamine
91080	Trichloroacetonitrile
91120	2,2,2-Trichloroethanol
23258	2,2,2-Trichloroethyl chloroformate
90350	Triethylamine hydrochloride
75570	Triethyl orthobenzoate
91719	Trifluoroacetic anhydride
92077	2,4,6-Triisopropylbenzene-sulfonyl chloride
92074	1-(2,4,6-Triisopropylbenzene-sulfonyl)imidazole
92076	1-(2,4,6-Triisopropylbenzene-sulfonyl)-1H-1,2,4-triazole
80910	Trimethylacetylchloride
75582	Trimethyl orthoacetate
75550	Trimethyl orthoformate
92730	Trimethyl phosphite
63932	2,4,6-Trimethylbenzenesulfonyl chloride
93090	Triphenylphosphine
09252	4-Tritylaniline
18560	Trityl bromide
93000	Trityl chloride

Peptides and Derivatives

Peptide Fragments

05250	L-Alanyl-L-alanine
05270	L-Alanyl-glycine
05300	L-Alanyl-L-histidine hydrochloride
05310	L-Alanyl-L-isoleucine
05320	L-Alanyl-L-leucine
05330	L-Alanyl-L-methionine
05350	DL-Alanyl-DL-norvaline
05370	L-Alanyl-L-proline
05380	L-Alanyl-L-serine
05400	L-Alanyl-L-tryptophan
05410	L-Alanyl-L-tyrosine
22030	L-Carnosine

49750	L-Glutathione reduced
50080	Glycine anhydride
50150	Glycyl L-alanine
50160	Glycyl DL-alanine
50170	Glycyl-L-aspartic acid
50190	Glycyl-L-glutamic acid
50200	Glycyl-glycine
50210	Glycyl-glycinamide hydrochloride
50230	Glycyl-glycyl-L-alanine
50240	Glycyl-glycyl-glycine
50280	Glycyl-L-histidine hydrochloride hemihydrate
50290	Glycyl-L-isoleucine
50300	Glycyl-L-leucine
50320	Glycyl-DL-leucine
50330	Glycyl-L-leucinamide hydrochloride
50340	Glycyl-L-leucyl-L-tyrosine
50370	Glycyl-L-phenylalanine
50380	Glycyl-DL-phenylalanine
50390	Glycyl-L-phenylalaninamide acetate
50410	Glycyl-L-phenylalanyl-L-phenylalanine
50420	Glycyl-L-proline
50430	Glycyl-sarcosine
50440	Glycyl-L-serine
50450	Glycyl-L-tryptophan
50460	Glycyl-DL-tryptophan
50471	Glycyl-L-tyrosine
50480	Glycyl-L-valine
61960	L-Leucyl-L-alanine
61970	L-Leucyl-glycine
61990	L-Leucyl-glycyl-glycine
62020	L-Leucyl-glycyl-L-leucine
62030	L-Leucyl-L-leucine
62040	DL-Leucyl-DL-leucine
62060	D-Leucyl-L-tyrosine
64480	L-Methionyl-glycine
64500	L-Methionyl-L-isoleucine
64541	L-Methionyl-L-phenylalanine
64590	L-Methionyl-L-tyrosine
76790	Pentaglycine
78110	L-Phenylalanyl-glycine monohydrate
78120	L-Phenylalanyl-L-phenylalanine
84550	Sarcosine anhydride
87300	Tetraglycine
95880	Z-L-alanyl-L-alanine
95885	Z-L-alanyl-glycine
95910	Z-L-alanyl-glycyl-glycine
95920	Z-L-alanyl-L-phenylalanine
96150	Z-L-glutamyl-L-tyrosine
96190	Z-glycyl-L-alanine
96210	Z-glycyl-glycine ethyl ester
96220	Z-glycyl-L-isoleucine
96230	Z-glycyl-L-leucine
96250	Z-glycyl-L-methionine
96260	Z-glycyl-L-phenylalanine
96270	Z-glycyl-L-proline
96280	Z-glycyl-L-valine
96640	Z-L-isoleucyl-L-alanine
96650	Z-L-isoleucyl-glycine
96660	Z-L-isoleucyl-glycyl-glycine
96670	Z-L-isoleucyl-L-isoleucine
96680	Z-L-isoleucyl-L-methionine
96690	Z-L-isoleucyl-L-phenylalanine
96700	Z-L-isoleucyl-L-valine
96750	Z-L-leucyl-L-alanine
96760	Z-L-leucyl-glycine
96770	Z-L-leucyl-glycyl-glycine
96780	Z-L-leucyl-glycyl-L-leucine benzyl ester
96790	Z-L-leucyl-L-isoleucine
96800	Z-L-leucyl-L-leucine
96810	Z-L-leucyl-L-methionine
96820	Z-L-leucyl-L-valine
96900	N _α , N _ε -di-Z-L-lysyl-glycyl-glycine
97030	Z-L-phenylalanyl-glycine
97040	Z-L-phenylalanyl-L-isoleucine
97060	Z-L-phenylalanyl-L-methionine
97070	Z-L-phenylalanyl-L-proline
97080	Z-L-phenylalanyl-L-valine
97120	Z-L-prolyl-L-alanine
97130	Z-L-prolyl-L-isoleucine
97140	Z-L-prolyl-L-leucine
97150	Z-L-prolyl-L-methionine
97160	Z-L-prolyl-L-phenylalanine
97170	Z-L-prolyl-L-proline
97180	Z-L-prolyl-L-valine
97350	Z-L-valyl-L-alanine
97370	Z-L-valyl-glycyl-glycine
97380	Z-L-valyl-L-isoleucine
97390	Z-L-valyl-L-methionine
97400	Z-L-valyl-L-tyrosine hydrazide
97410	Z-L-valyl-L-tyrosine methyl ester

Biologically Active Peptides and Substrates

27671	Collagenase chromophoric substrate, set
27672	Collagenase substrate, set
53672	Human Calcitonin M, HCT synthetic
61885	[5-Leucine]-Enkephalin; synthetic
64365	[5-Methionine]-Enkephalin, synthetic
49090	Glucagon hydrochloride cryst.
49740	L-Glutathione oxidized, GSSG
49750	L-Glutathione reduced, GSH
50850	Gramicidin D
53670	Human Big Gastrin I, HG-34 synthetic
53671	Human Big Gastrin I-(1-20), [HG-34] ¹⁻²⁰ synthetic
53673	Human Gastrin I, HG-17 synthetic
61887	[15-Leucine]-Human Gastrin I, LHG-17 synthetic
64683	[15-Methoxinine]-Human Gastrin I, synthetic
53674	Human Mini Gastrin I, HG-13 synthetic
53669	Human Mini Gastrin I, HG-14 synthetic
61893	[11-Leucine]-Human Mini Gastrin I, LHG-13 synthetic
57590	Insulin cryst.
61895	[13-Leucine, 14-glutamic acid]-Motilin, porcine, synthetic
74590	[13-Norleucine, 14-glutamic acid]-Motilin, porcine, synthetic
84875	Secretin porcine, synthetic
31193	DATA-Secretin, synthetic
85965	Substance P
94675	Valinomycin

Peptide Synthesis**1. Starting Materials and Intermediates**

see – Amino Acids and Derivatives
– Peptides and Derivatives

2. Reagents for Peptide Synthesis**a) Protection of Functional Groups****Amino Protection**

00900	Acetylacetone
46465	Adamantyl fluoroformate, ADOC-F
23150	Allyl chloroformate
12010	Benzaldehyde
12830	Benzoylacetone
13030	2-(Benzoyloxymethyl)benzoic acid
13032	2-(Benzoyloxymethyl)benzoyl chloride
23160	Benzyl chloroformate
96905	O-Benzyl 5-(4,6-dimethyl-2-pyrimidyl) thiocarbonate, Z-S
13630	S-Benzoyloxycarbonylthiosulfonic acid sodium salt
14451	2-(4-Biphenyl)-2-propanol
14452	2-(4-Biphenyl)-2-propyl 4-methoxy-carbonylphenyl carbonate
15225	Bistrifluoroacetamide
15241	N,O-Bis(trimethylsilyl)acetamide
15459	S-BOC-2-mercapto-4,6-dimethyl-pyrimidine, BOC-S
15475	2-(BOC-oxyimino)-2-phenyl-acetonitrile, BOC-ON
16140	2-Bromoethanol
23170	2-Bromoethyl chloroformate
18560	Bromotriphenylmethane
20428	N-(tert-Butoxycarbonyloxy)-phthalimide
20430	N-(tert-Butoxycarbonyloxy)-succinimide
20433	N-(tert-Butoxycarbonyl)-1H-1,2,4-triazole
19740	tert-Butyl carbazate
15459	O-tert-Butyl 5-(4,6-di-methyl-2-pyrimidyl) thiocarbonate, BOC-S
20375	tert-Butyl 4-nitrophenyl carbonate
20528	tert-Butyl phenyl carbonate
19743	tert-Butyl 8-quinolinyl carbonate
20660	tert-Butyl 2,4,5-trichlorophenyl carbonate
24271	5-Chlorodibenzosuberane
23000	2-Chloroethanol
23180	2-Chloroethyl chloroformate
93000	Chlorotriphenylmethane, TRT-Cl
27430	Citraconic anhydride
33425	Di-tert-amyl dicarbonate
33659	Di-tert-butyl dicarbonate biochim., (BOC) ₂ O FLUKA

34660	Di-tert-butyl dicarbonate, (BOC) ₂ O FLUKA
35448	2,4-Dichlorobenzyl alcohol
38481	Diketene
38754	3,5-Dimethoxy- α,α -dimethyl-benzyloxycarbonyl hydrazide
38490	5,5-Dimethyl-1,3-cyclohexanedione
43095	2,3-Diphenylmaleic anhydride
43366	1,2-Diphenylvinylene carbonate
02620	N-Ethoxycarbonylphthalimide
91710	Ethyl trifluoroacetate
91876	Ethyl trifluorothioacetate
23185	9-Fluorenylmethyl chloroformate, Fmoc-Cl
06440	Formic acid anhydrous
52619	Hexamethyldisilazane, HMDS
54402	2-Hydroxyethyl methyl sulfone
55612	9-(Hydroxymethyl)anthracene
55890	2-Hydroxy-1-naphthaldehyde
63200	Maleic anhydride
81115	O-(4-Methoxybenzyl) 5-(4,6-dimethyl-2-pyrimidyl) thiocarbonate, PMZ-S
53815	4-Methoxybenzyl carbazate
64940	N-Methoxycarbonylmaleimide
69227	2-(Methylsulfonyl)ethyl 4-nitrophenyl carbonate, MSOC-ONp
91730	Methyl trifluoroacetate
73740	2-Nitrobenzenesulfonyl chloride, NPS-Cl
23230	4-Nitrobenzyl chloroformate
06554	4-Nitrophenyl formate biochim.
91735	4-Nitrophenyl trifluoroacetate
23155	4-(Phenylazo)benzyl chloroformate
78826	Phenylmethanesulfonyl chloride
81115	S-PMZ-2-mercapto-4,6-dimethyl-pyrimidine, Z(OMe)-S
89730	Toluene-4-sulfonyl chloride
89815	Toluene-4-sulfonyl isocyanate
23259	2,2,2-Trichloro-tert-butoxycarbonyl chloroformate, TCBoc-Cl
23258	2,2,2-Trichloroethyl chloroformate
91720	Trifluoroacetic anhydride
92360	Trimethylchlorosilane, TMCS
18560	Triphenylbromomethane, TRT-Br
93000	Triphenylchloromethane, TRT-Cl
93060	Triphenylmethanol
23260	2-(Triphenylphosphonio)-ethyl chloroformate, PEDC-Cl
96905	5-Z-2-mercapto-4,6-dimethyl-pyrimidine, Z-S

Carboxyl Protection

13160	Benzyl alcohol
13250	Benzyl bromide
13282	Benzyl chloromethyl ether
15241	N,O-Bis(trimethylsilyl)acetamide
16458	4-Bromobenzyl alcohol
16460	4-Bromobenzyl bromide
17970	4-Bromophenacyl bromide
18560	Bromotriphenylmethane
45880	tert-Butyl acetate
19460	tert-Butyl alcohol
19740	tert-Butyl carbazate
22830	Chloroacetonitrile
23777	4-Chlorobenzyl alcohol
23850	4-Chlorobenzyl chloride
24271	5-Chlorodibenzosuberane
23050	2-Chloroethyl methyl sulfide
25102	9-(Chloromethyl)anthracene
25210	N-(Chloromethyl)phthalimide
93000	Chlorotriphenylmethane, TRT-Cl
38405	N,N'-Diisopropylhydrazine mono-hydrochloride
40260	N,N-Dimethylformamide dibenzyl acetal
40263	N,N-Dimethylformamide di-tert-butyl acetal
40252	N,N-Dimethylformamide diethyl acetal
40281	N,N-Dimethylformamide diisopentyl acetal
42880	Diphenylcarbinol
52619	Hexamethyldisilazane, HMDS
54400	2-Hydroxyethyl methyl sulfide
55614	2-(Hydroxymethyl)-anthraquinone
55790	4-(Hydroxymethyl)pyridine
56390	3-Hydroxypyridine
55070	8-Hydroxyquinoline
63871	Merrifield polymer
64840	4-Methoxybenzyl alcohol
65140	4-Methoxyphenacyl bromide
66638	O-Methyl-N,N'-diisopropylisourea
67815	4-(Methylmercapto)phenol

58551	2-Methylpropene
54400	2-(Methylthio)ethanol
73160	4-Nitrobenzyl alcohol
73170	4-Nitrobenzyl bromide
73185	4-Nitrobenzyl chloride
73997	Nitrosyl chloride
74000	Nitrosylsulfuric acid
77450	Phenacyl bromide
77460	Phenacyl chloride
77610	Phenol, loose crystals
78670	Phenylhydrazine
80830	Piperonyl alcohol
55070	8-Quinolol
91120	2,2,2-Trichloroethanol
90383	Triethylchlorosilane
92360	Trimethylchlorosilane, TMCS
92747	2-(Trimethylsilyl)ethanol, TMSE-ON
18560	Triphenylbromomethane, TRT-Br
93000	Triphenylchloromethane, TRT-Cl
93060	Triphenylmethanol

Alcohol Protection

45830	Acetic anhydride
00990	Acetyl chloride
12930	Benzoyl chloride
13160	Benzyl alcohol
13250	Benzyl bromide
13270	Benzyl chloride
56535	Benzyl-N-(1-hydroxy-2,2,2-trifluoroethyl) carbamate
15241	N,O-Bis(trimethylsilyl)acetamide
19905	tert-Butyldimethylchlorosilane
19938	tert-Butyldiphenylchlorosilane
23777	4-Chlorobenzyl alcohol
24271	5-Chlorodibenzosuberane
37350	3,4-Dihydro-2H-pyran
52619	Hexamethyldisilazane, HMDS
58551	Isobutylene
64735	2-Methoxyethoxymethyl chloride
58551	2-Methylpropene
92360	Trimethylchlorosilane, TMCS

Phenol Protection

45830	Acetic anhydride
00660	Acetone dimethyl acetal
13250	Benzyl bromide
13270	Benzyl chloride
13510	S-Benzylisothiourea hydrochloride
16457	3-Bromobenzyl bromide
16460	4-Bromobenzyl bromide
35480	α -Bromo-2,6-dichlorotoluene
18560	Bromotriphenylmethane
22880	Chloroacetyl chloride
24390	Chlorodimethyl sulfide
24482	Chlorodiphenylmethane
25102	9-(Chloromethyl)anthracene
93000	Chlorotriphenylmethane, TRT-Cl
34660	Di-tert-butyl dicarbonate, (BOC) ₂ O FLUKA
35480	2,6-Dichlorobenzyl bromide
35500	2,6-Dichlorobenzyl chloride
37350	3,4-Dihydro-2H-pyran
23131	Ethyl chloroformate
52619	Hexamethyldisilazane, HMDS
23191	Isobutyl chloroformate
23211	Methyl chloroformate
58551	2-Methylpropene
77450	Phenacyl bromide
77460	Phenacyl chloride
89730	Toluene-4-sulfonyl chloride
35500	2,6, α -Trichlorotoluene
18560	Triphenylbromomethane, TRT-Br
93000	Triphenylchloromethane, TRT-Cl

Thiol Protection

45830	Acetic anhydride
00990	Acetyl chloride
12930	Benzoyl chloride
13250	Benzyl bromide
13270	Benzyl chloride
23160	Benzyl chloroformate
56535	Benzyl N-(1-hydroxy-2,2,2-trifluoroethyl) carbamate
15241	N,O-Bis(trimethylsilyl)acetamide
19700	2-Bromo-2-methylpropane
18560	Bromotriphenylmethane
45880	tert-Butyl acetate
19700	tert-Butyl bromide
19780	tert-Butyl chloride
20230	tert-Butyl mercaptan
24271	5-Chlorodibenzosuberane
24482	Chlorodiphenylmethane

25102 9-(Chloromethyl)anthracene
 19780 2-Chloro-2-methylpropane
 11625 Di-tert-butyl azodicarboxylate
 11624 Diethyl azodicarboxylate
 32575 N,N-Diethyltrimethylsilylamine
 37350 3,4-Dihydro-2H-pyran
 03890 1,2-Diiodoethane
 41720 N,N-Dimethyltrimethylsilylamine
 42880 Diphenylcarbinol
 43791 2,2'-Dithiodipyridine
 04200 Ethyl isocyanate
 52619 Hexamethyldisilazane, HMDS
 95300 Hydrogen peroxide
 57650 Iodine
 58551 Isobutylene
 64840 4-Methoxybenzyl alcohol
 20230 2-Methyl-2-propanethiol
 58551 2-Methylpropene
 41640 Methyl sulfoxide
 73170 4-Nitrobenzyl bromide
 73185 4-Nitrobenzyl chloride
 60300 Potassium hexacyanoferrate(III)
 59590 2-Propanethiol
 71989 Sodium sulfite anhydrous
 72030 Sodium tetrathionate dihydrate
 18560 Triphenylbromomethane, TRT-Br
 93000 Triphenylchloromethane, TRT-Cl
 93060 Triphenylmethanol

Guanidino Protection

46465 Adamantyl fluoroformate, ADOC-F
 23160 Benzyl chloroformate
 18560 Bromotriphenylmethane
 28330 Cyanamide
 41545 3,5-Dimethyl-1-pyrazolyl
 formamidinium nitrate
 63932 2-Mesitylenesulfonyl chloride
 67714 O-Methylisourea hydrogensulfate
 67730 S-Methylisothiurea sulfate
 89730 Toluene-4-sulfonyl chloride
 18560 Triphenylbromomethane, TRT-Br
 93000 Triphenylchloromethane

Carboxamide Protection

15241 N,O-Bis(trimethylsilyl)acetamide
 38645 4,4'-Dimethoxybenzhydrol
 64851 4-Methoxybenzylamine
 95580 Xanthidol

Imidazole Protection

54191 1-Adamantanol
 46465 Adamantyl fluoroformate, ADOC-F
 13250 Benzyl bromide
 13270 Benzyl chloride
 23160 Benzyl chloroformate
 56535 Benzyl-N-(1-hydroxy-2,2,2-trifluoro-
 ethyl) carbamate
 18560 Bromotriphenylmethane
 19470 tert-Butyl alcohol
 24482 Chlorodiphenylmethane
 34660 Di-tert-butyl dicarbonate, (BOC)₂O
 FLUKA
 36930 1,5-Difluoro-2,4-dinitrobenzene
 42080 2,4-Dinitrofluorobenzene
 89730 Toluene-4-sulfonyl chloride
 18560 Triphenylbromomethane, TRT-Br
 93000 Triphenylchloromethane, TRT-Cl

Indole Protection

06440 Formic acid anhydrous
 06554 4-Nitrophenyl formate

b) Reagents for Deprotection
(incl. Scavengers)

Reagents for Deprotection
 45730 Acetic acid
 09682 Ammonia anhydrous
 15690 Boron tribromide
 15712 Boron trifluoride
 15720 Boron trifluoride ethyl etherate
 16769 Cyanogen bromide
 43796 1,4-Dithioerythritol, DTE
 43819 1,4-Dithio-DL-threitol, DTT
 02424 Ethanesulfonic acid
 06440 Formic acid anhydrous
 53850 Hydrazine hydrate
 18735 Hydrobromic acid, 33% in acetic acid
 28612 Hydrochloric acid anhydrous
 47582 Hydrogen fluoride
 47586 Hydrogen fluoride Pyridine-Complex
 55480 Hydroxylamine hydrochloride
 58118 Iodotrimethylsilane

57650 Iodine
 63690 2-Mercaptoethanol
 63840 2-Mercaptopyridine
 83362 Mercuric acetate
 64280 Methanesulfonic acid
 75990 Palladium on activated charcoal
 76100 Palladium(Black)
 78670 Phenylhydrazine
 80640 Piperidine
 63705 Sodium 2-mercaptoethane-
 sulfonate
 71938 Sodium thiocyanate
 86648 Tetraethylammonium rhodanide
 86872 Tetrabutylammonium fluoride tri-
 hydrate
 86880 Tetrabutylammonium hydroxide
 86886 Tetrabutylammonium rhodanide
 88450 Thioacetamide
 88491 Thiobenzamide
 88640 1-Thioglycerol
 88650 Thioglycolic acid
 88810 Thiourea
 89487 Titanium trichloride
 90830 Tributylphosphine
 91700 Trifluoroacetic acid
 91738 Trifluoromethanesulfonic acid
 93090 Triphenylphosphine
 96453 Zinc

Scavengers

10520 Anisole
 61030 p-Cresol
 32450 Diethyl phosphite
 83610 1,3-Dimethoxybenzene
 02390 1,2-Ethanedithiol
 04290 Ethanethiol
 04490 Ethyl methyl sulfide
 64320 L-Methionine
 67590 N-Methylindole
 67600 2-Methylindole(α)
 85460 3-Methylindole
 41625 Methyl sulfide
 77610 Phenol, loose crystals
 88470 Thioanisole
 88640 1-Thioglycerol
 89021 Thiophenol

c) Coupling Reagents

Carbodiimides and Additives

15120 N,N'-Bis(4-nitrophenyl)carbodiimide
 29469 N-Cyclohexyl-N'-(2-morpholinoethyl)-
 carbodiimide-methyl-p-toluene-
 sulfonate
 34640 N,N'-Di-tert-butylcarbodiimide
 36650 N,N'-Dicyclohexylcarbodiimide
 37305 3,4-Dihydro-3-hydroxy-4-oxo-1,2,3-
 benzotriazine
 38370 N,N'-Diisopropylcarbodiimide
 03449 N-Ethyl-N'-(3-dimethylaminopropyl)-
 carbodiimide
 75800 Ethyl oximinocynoacetate
 54802 1-Hydroxybenzotriazole
 56055 N-Hydroxy-5-norbornene-2,3-
 dicarboxylic acid imide
 56191 N-Hydroxyphthalimide
 56480 N-Hydroxysuccinimide

Reagents for Mixed Anhydrides
(also Azides and Acid Chlorides)

11855 Bates' Reagent
 12802 Benzotriazol-1-oxy-tris (dimethyl-
 amino)phosphonium hexafluoro-
 phosphate, BOP
 12930 Benzoyl chloride
 18350 N-Bromosuccinimide
 23175 Butyl chloroformate
 20370 tert-Butyl nitrite
 28620 Cyanuric chloride
 35942 Dichloromethyl methyl ether
 32089 Diethyl chlorophosphite
 79627 Diphenylphosphoryl azide, DPPA
 79630 Diphenyl phosphoryl chloride
 43792 2,2'-Dithiodipyridine
 23131 Ethyl chloroformate
 53828 Hydrazine cyanurate
 53850 Hydrazine hydrate
 57650 Iodine
 23191 Isobutyl chloroformate
 59160 Isopentyl nitrite
 59890 Isovaleryl chloride
 73997 Nitrosyl chloride
 79372 Phosgene

79562 Phosphonitrilic chloride
 79627 Phosphoric acid diphenyl ester
 azide, DPPA
 79580 Phosphorus oxychloride
 79590 Phosphorus pentachloride
 79670 Phosphorus trichloride
 80910 Pivaloyl chloride
 71290 Sodium azide
 86130 2-Sulfobenzoic acid cyclic anhydride
 88950 Thionyl chloride
 90540 Triethyl phosphite
 93090 Triphenyl phosphine
 93120 Triphenyl phosphite
 93329 Tris(diethylamino)phosphine

Reagents for Other Activating Methods
(e. g. Active Esters)

00750 Acetone oxime
 00900 Acetylacetone
 12010 Benzaldehyde, chlorine free
 12475 o-Benzoic sulfimide
 21860 1,1'-Carbonyldiimidazole
 23080 Chloral anhydrous
 23100 Chloral hydrate
 22830 Chloroacetonitrile
 24849 5-Chloro-8-hydroxyquinoline
 29180 Cyclohexanone oxime
 29790 Cyclopentanone oxime
 35880 5,7-Dichloro-8-hydroxyquinoline
 31901 1-Diethylaminopropyne
 37305 3,4-Dihydro-3-hydroxy-4-oxo-1,2,3-
 benzotriazine
 42160 2,4-Dinitrophenol
 02520 Ethoxyacetylene ~60% in hexane
 02541 2-Ethoxy-1-ethoxycarbonyl-1,2-
 dihydroquinoline, EEDQ
 03075 2-Ethyl-1,2-benzisoxazolium tetra-
 fluoroborate
 04135 2-Ethyl-7-hydroxy-1,2-benzisoxazolium
 tetrafluoroborate
 47630 Formaldehyde
 54550 4-Hydroxyazobenzene
 54802 1-Hydroxybenzotriazole
 55510 N-Hydroxymaleimide
 56055 N-Hydroxy-5-norbornene-2,3-
 dicarboxylic acid imide
 56191 N-Hydroxyphthalimide
 56200 1-Hydroxypiperidine
 56380 2-Hydroxypyridine
 55070 8-Hydroxyquinoline
 56480 N-Hydroxysuccinimide
 56750 Imidazole
 58625 2-Isobutoxy-1-isobutoxycarbonyl-1,2-
 dihydroquinoline, IIDQ
 63840 2-Mercaptopyridine
 67815 4-(Methylmercapto)phenol
 68740 3-Methyl-1-phenyl-2-pyrazolin-5-one
 73540 2-Nitrophenol
 73560 4-Nitrophenol
 23240 4-Nitrophenyl chloroformate
 91735 4-Nitrophenyl trifluoroacetate
 76470 2,3,4,5,6-Pentachlorophenol
 76740 2,3,4,5,6-Pentafluorophenol
 77450 Phenacyl bromide
 82780 Pyridine-4-carboxaldoxime
 55070 8-Quinolinol
 12475 Saccharin
 88180 Tetrazole
 89021 Thiophenol
 90630 1,2,4-Triazole
 91330 2,4,5-Trichlorophenol
 46060 Vinyl acetate
 95440 Woodward's Reagent K
 95450 Woodward's Reagent L

3. Auxiliary Reagents and Solvents

a) Solvents for Coupling Reactions

00700 Acetonitrile
 19440 sec-Butyl alcohol
 19460 tert-Butyl alcohol
 20252 tert-Butyl methyl ether
 25670 Chloroform
 66740 Dichloromethane
 38570 1,2-Dimethoxyethane
 38840 N,N-Dimethylacetamide
 40250 N,N-Dimethylformamide, DMF
 42510 Dioxane
 45760 Ethyl acetate
 52730 Hexamethylphosphoric acid triamide,
 HMPT
 66740 Methylene chloride

69120 1-Methyl-2-pyrrolidone
41640 Methyl sulfoxide, DMSO
73480 Nitromethane
87370 Tetrahydrofuran, THF
87850 Tetramethylurea
89680 Toluene
91690 2,2,2-Trifluoroethanol

b) Nitrogen Bases

06690 1-(2-Aminoethyl)piperazine
33471 1,5-Diazabicyclo[4.3.0]non-5-ene,
DBN
33480 1,4-Diazabicyclo[2.2.2]octane
33482 1,5-Diazabicyclo[5.4.0]undec-5-ene,
DBU
39405 4-Dimethylaminopyridine
03440 N-Ethyl-diisopropylamine
04500 4-Ethylmorpholine
04730 1-Ethylpiperidine
56750 Imidazole
67870 4-Methylmorpholine
68830 1-Methylpiperidine
80785 4-Piperidinopyridine
82702 Pyridine
87844 1,1,3,3-Tetramethylguanidine
90630 1,2,4-Triazole
90780 Tributylamine
90340 Triethylamine

c) Miscellaneous

06423 Amberlyst 15, H⁺-form strongly acidic
06424 Amberlyst A-21, OH⁻-form weakly
basic
06427 Amberlyst A-29, Cl⁻-form strongly
basic
20960 Cesium carbonate
21000 Cesium hydroxide monohydrate
29300 Cyclohexylamine
33532 Dibenzene sulfimide
36620 Dicyclohexylamine
42900 Diphenyl carbonate
43825 Di-toluene-4-sulfimide
23240 4-Nitrophenyl chloroformate
60239 Potassium fluoride

Porphyrins and Related Compounds

14369 Bilirubin
25730 Chlorophyll a
25740 Chlorophyll b
51280 Hemin(chloride)
51250 Hematoporphyrin dihydrochloride
82510 Protoporphyrin-IX dimethyl ester
82512 Protoporphyrin disodium salt

Protein Modification

45830 Acetic anhydride
00900 Acetylacetone
01039 N-Acetyl-L-cysteine, NAC
01190 N-Acetyl-DL-homocysteinethiolactone
01194 1-Acetylimidazole
01300 S-Acetyl-DL-mercaptoposuccinic
anhydride
01700 Acrylamide
01710 Acrylonitrile
57672 1,5-I-AEDANS
30432 N-(5-Aminopentyl)-5-dimethyl-
aminonaphthalene-1-sulfonamide
09470 5-Amino-1H-tetrazole monohydrate
10417 8-Anilidonaphthalene-1-sulfonic acid
ammonium salt, (ANS)₃NH₄⁺
10419 8-Anilidonaphthalene-1-sulfonic acid
magnesium salt, (ANS)₂Mg
10420 N-(4-Anilino-1-naphthyl)-
maleimide, ANM
10419 (ANS)₂Mg
10417 ANS-NH₄⁺
11340 Auramine O
11550 4-Azidophenacyl bromide
11580 Azobenzene-2-sulfonyl bromide
38520 BAL
13205 BBD
14760 BDC-OH
12266 N-[4-(2-Benzimidazolyl)phenyl]
maleimide, BIPM
12505 Benzofurazan N-oxide, Benzofuroxan

12720 Benzonitrile
12309 1,4-Benzoquinone
13205 4-Benzylamino-7-nitro 2,1,3-benzoxa-
diazole, BBD
42070 Bergmann Reagent
12266 BIPM
14760 4,4'-Bis(dimethylamino)diphenyl
carbinol, BDC-OH
14825 Bis(4-fluoro-3-nitrophenyl) sulfone,
FF-sulfone
15160 Bis[2-(succinimidooxycarbonyloxy)-
ethyl] sulfone
15163 1,5-Bis(succinimidooxycarbonyloxy)-
pentane
15392 N-BOC-1,6-diaminohexane hydro-
chloride
34660 (BOC)₂O FLUKA
56189 Bolton-Hunter Reagent
16085 2-Bromoacetamido-4-nitrophenol
17000 Bromoacetic acid
77450 ω-Bromoacetophenone
17623 4-Bromomethyl-7-methoxycoumarin
17970 4-Bromophenacyl bromide
18350 N-Bromosuccinimide
31530 2,3-Butanedione
21860 1,1'-Carbonyldiimidazole
27429 Citraconic anhydride
43796 Cleland Reagent, DTE
43819 Cleland Reagent, DTT
43818 Cleland Reagent chiral, DTT chiral
23270 Chloramine T
24510 Chloroacetic acid
24475 2-Chloro-3,5-dinitropyridine
23015 2-Chloroethanesulfonic acid sodium
salt monohydrate
55540 «p-Chloromercuribenzoate», PCMB
25010 4-(Chloromercuri)benzoic acid
96175 2-Chloromethyl-4-nitrophenyl-N-carbo-
benzoxy-glycinate, «Z-Gly-DNB-Cl»
25455 4-Chloro-7-nitro-2-1-3-benzoxadiazole,
NBD-chloride
26370 N-Chlorosuccinimide
90182 (3S)-1-Chloro-3-p-tosylamido-7-amino-
2-heptanone, HCl, TLCK
90184 (3S)-1-Chloro-3-p-tosylamido-4-phenyl-
2-butanone, TPCK
16769 Cyanogen bromide
28570 2-Cyanopyridine
28620 Cyanuric chloride
29050 1,2-Cyclohexanedione
29469 N-Cyclohexyl-N'-(2-morpholinoethyl)-
carbodiimide-methyl-p-toluene-
sulfonate, CME-CDI
39065 DABITC
39230 Dansic acid
39225 Dansylamide, DNSA
30428 1-Dansylamido-3-trimethylammonium-
propane iodide
30431 Dansylaziridine
30432 Dansylcadaverine
39220 Dansyl chloride, DNSCI
38399 DFP
31530 Diacetyl
31535 1,2-Diacetylbenzene
31540 N,S-Diacetylcysteamine Diazomethane
Precursors
33485 Diazoacetylcholine bromide
34640 N,N'-Di-tert-butylcarbodiimide
34660 Di-tert-butyl dicarbonate, (BOC)₂O
FLUKA
36650 N,N'-Dicyclohexylcarbodiimide
36675 N,N'-Dicyclohexyl-O-methyl isourea
32490 Diethyl pyrocarbonate, DEP
36930 1,5-Difluoro-2,4-dinitrobenzene, FFDNB
37680 2,2'-Dihydroxy-6,6'-dinaphthyl
disulfide, DDD
52649 1,6-Diisocyanatohexane
38399 Diisopropyl fluorophosphate, DFP
38481 Diketene
38520 2,3-Dimercapto-1-propanol, BAL
02120 Dimethyl adipimidate dihydrochloride
39065 4-Dimethylaminoazobenzene-4'-iso-
thiocyanate, DABITC
39070 4-Dimethylaminobenzaldehyde
39145 N-(7-Dimethylamino-4-methyl-3-
coumarinyl)maleimide, DACM-3
39225 5-Dimethylaminonaphthalene-1-
sulfonamide, DNSA
39230 5-Dimethylaminonaphthalene-1-
sulfonic acid
30431 N-(5-Dimethylaminonaphthalene-1-
sulfonyl)aziridine

39220 5-Dimethylaminonaphthalene-1-
sulfonyl chloride
39250 4-Dimethylamino-1-naphthyl isothio-
cyanate, DNTC
40780 Dimethyl(2-hydroxy-5-nitrobenzyl)-
sulfonium bromide, HNB-sulfonium
bromide
40750 Dimethylmaleic anhydride
40763 Dimethyl(2-methoxy-5-nitrobenzyl)-
sulfonium bromide, MNB-sulfonium
bromide
80490 Dimethyl pimelimidate dihydrochloride
41545 3,5-Dimethyl-1-pyrazolyl-
formamidinium nitrate
40130 Dimethyl pyrocarbonate
74835 Dimethyl suberimidate dihydrochloride
42070 2,4-Dinitro-5-fluoroaniline, DNFA
42080 2,4-Dinitrofluorobenzene, FDNB
42210 2,4-Dinitrophenylhydrazine
42849 Diphenylcarbonyl chloride
43050 1,6-Diphenyl-1,3,5-hexatriene, DPH
43180 2,2-Diphenyl-1-picrylhydrazyl
43760 5,5'-Dithiobis(2-nitrobenzoic acid),
DTNB
43789 3,3'-Dithiodipropionic acid bis-
(N-hydroxysuccinimide ester), DTSP
43791 2,2'-Dithiodipyridine, 2-PDS
43794 4,4'-Dithiodipyridine, 4-PDS
43796 1,4-Dithioerythritol, DTE
43818 (-)-1,4-Dithio-L-threitol, DTT chiral
43819 1,4-Dithio-DL-threitol, DTT
42070 DNFA
39225 DNSA
39220 DNSCI
39250 DNTC
44130 1-Dodecanethiol
43050 DPH
43796 DTE
43760 DTNB
43819 DTT
43818 DTT chiral
39070 Ehrlich Reagent
43760 Ellman Reagent, DTNB
00520 Ethyl acetamidate hydrochloride
33501 Ethyl diazoacetate
03449 N-Ethyl-N'-(3-dimethylaminopropyl)-
carbodiimide hydrochloride
04260 N-Ethylmaleimide, NEM
95440 2-Ethyl-5-phenylisoxazolium-3'-
sulfonate
91876 Ethyl trifluorothioacetate
46540 FAM
42080 FDNB
36930 FFDNB
14825 FF-sulfone
46952 FITC
46540 N-(3-Fluoranthyl)maleimide, FAM
47614 Fluorescamine, Fluram®
46930 Fluoresceinamine
46950 Fluorescein isothiocyanate
46952 Fluorescein isothiocyanate Isomer I,
FITC
46980 Fluorescein mercuric acetate, FMA
47185 (4-Fluoro-3-nitrophenyl) trimethyl-
ammonium iodide
47614 Fluram Roche
47629 Formaldehyde
47980 Fumaronitrile
49626 Glutaraldehyde
49670 Glutaric anhydride
49730 Glutaronitrile
50070 Glycinamide hydrochloride,
Gly-NH₂·HCl
50109 Glycine methyl ester hydrochloride,
Gly-OMe·HCl
50711 Glyoxylic acid
41545 1-Guanyl-3,5-dimethylpyrazole nitrate
54791 HABA
52649 Hexamethylene diisocyanate
53530 DL-Homocysteine thiolactone, HTL
57672 Hudson-Weber Reagent
95300 Hydrogen peroxide
55460 Hydroxylamine hydrochloride
55540 4-(Hydroxymercuri)benzoic acid
sodium salt
56011 2-Hydroxy-5-nitrobenzyl bromide
54791 2-(4-Hydroxyphenylazo)benzoic acid,
HABA
56189 3-(4-Hydroxyphenyl)propionic acid
N-hydroxysuccinimide ester
57670 Iodoacetamide

57672 N-(Iodoacetamidoethyl)-1-naphthyl-amine-5-sulfonic acid, 1,5-I-AEDANS
 57840 Iodoacetic acid
 57859 Iodoacetic acid sodium salt
 57750 4-Iodobenzenesulfonyl chloride
 67690 Iodomethane
 57990 2-Iodosobenzoic acid
 82730 Isonicotinaldehyde
 56011 Koshland Reagent I
 40708 Koshland Reagent I Analogue, water soluble
 65135 Koshland Reagent II
 40763 Koshland Reagent II Analogue, water soluble
 16085 Koshland Reagent III
 43789 Lomant Reagent
 63200 Maleic anhydride
 63390 Malononitrile
 64865 MBD
 88650 Mercaptoacetic acid
 63690 2-Mercaptoethanol
 88640 3-Mercapto-1,2-propanediol
 63794 2-Mercaptopropionylglycine
 64865 4-(4-Methoxybenzylamino)-7-nitro-2,1,3-benzoxadiazole, MBD
 64940 N-Methoxycarbonylmaleimide
 65135 2-Methoxy-5-nitrobenzyl bromide
 36675 O-Methyl-N,N'-dicyclohexylisourea
 66638 O-Methyl-N,N'-diisopropylisourea
 67690 Methyl iodide
 67719 Methyl isothiocyanate
 67730 S-Methylisothiurea sulfate
 67714 O-Methylisourea hydrogensulfate, OMI
 73045 Methyl 4-nitrobenzenesulfonate
 25455 NBD chloride
 04260 NEM
 72490 Ninhydrin
 73740 2-Nitrobenzenesulfonyl chloride, NPS-Cl
 46021 4-Nitrophenyl acetate
 06554 4-Nitrophenyl formate
 57865 4-Nitrophenyl iodoacetate
 73740 2-Nitrophenylsulfonyl chloride, NPS-Cl
 67714 OMI
 79760 OPTA
 75890 2-Oxoglutaric acid
 55540 PCMB
 43791 2-PDS
 43794 4-PDS
 77450 Phenacyl bromide
 77480 9,10-Phenanthrenequinone
 78600 Phenylglyoxal hydrate
 78781 Phenyl isothiocyanate, PITS
 78830 Phenylmethanesulfonyl fluoride
 79760 o-Phthaldialdehyde, OPTA
 80150 o-Phthalonitrile
 28570 2-Picolinonitrile
 78781 PITS
 81810 1,3-Propanesultone
 81850 β -Propiolactone
 82653 4-(3-Pyrenyl)butyric acid
 82656 N-(3-Pyrenyl)maleimide
 82730 Pyridine-4-carboxaldehyde
 82860 Pyridoxal hydrochloride
 82870 Pyridoxal-5'-phosphoric acid
 56189 Rudinger Reagent
 84160 Salicylaldehyde
 42080 Sanger Reagent
 14089 Succinic anhydride
 56189 N-Succinimidyl 3-(4-hydroxyphenyl)-propionate
 71320 Sodium borohydride
 71989 Sodium sulfite anhydrous
 87980 Tetranitromethane
 88559 Thiodiethylene glycol, Thiodiglycol
 88640 1-Thioglycerol
 88650 Thioglycolic acid
 90182 TLCK
 89653 TNS
 89760 Toluene-4-sulfonic acid monohydrate
 78830 α -Toluenesulfonyl fluoride
 89653 6-(4-Toluidino)-2-naphthalenesulfonic acid, TNS
 89870 Toluylene-2,4-diisocyanate
 90182 N α -p-Tosyl-L-lysine chloromethylketone hydrochloride, TLCK
 90184 p-Tosyl-L-phenylalanine chloromethylketone, TPCK
 90184 TPCK
 90830 Tributylphosphine
 91120 2,2,2-Trichloroethanol

91425 1,1,1-Trichloro-3,3,3-trifluoroacetone
 91719 Trifluoroacetic anhydride
 95050 4-Vinylpyridine monomer
 95440 Woodward Reagent K
 95755 m-Xylylene diisocyanate

Proteins

(other than Enzymes)

61763 Agglutinin, soybean
 61767 Agglutinin, wheat germ
 05470 Albumin, bovine
 05440 Albumin, egg
 05420 Albumin, human
 05495 Albumose, silver
 11610 Azocasein
 Blood Fractions, Cohn
 Fraction II see γ -Globulins
 Fraction III see β -Globulins
 Fraction IV see α -Globulins
 Fraction V see Albumins
 05470 Bovine Albumin, BSA
 49010 Bovine α -Globulin
 49030 Bovine γ -Globulin
 51290 Bovine Hemoglobin
 22090 Casein, enzymatic hydrolysate
 22080 Casein, vitamin free
 61760 Concanavalin A, Con A
 30400 Cytochrome c
 44790 Edestin
 05440 Egg Albumin
 45130 Elastin
 46230 Ferritin
 46320 Fibroin
 61761 FITC-Concanavalin A, FITC-Con A
 48722 Gelatin
 48960 Gliadin
 49010 α -Globulin, bovine
 49030 γ -Globulin, bovine
 48980 β -Globulin, human
 48990 γ -Globulin, human
 51290 Hemoglobin
 53420 Histone sulfate
 05420 Human Albumin
 48980 Human β -Globulin
 48990 Human γ -Globulin
 90190 Human Transferrin
 60690 Keratin
 61300 Lactalbumin, hydrolysate
 61760 Lectin from Canavalia Ensiformis, Con A
 61761 Lectin from Canavalia Ensiformis, FITC-modified
 61763 Lectin from Glycine Max, SBA
 61764 Lectin from Phaseolus Vulgaris, PHA
 61766 Lectin from Phaseolus Vulgaris, PHA
 61767 Lectin from Triticum Vulgare, WGA
 61766 Leucoagglutinin
 70030 Myoglobin
 05440 Ovalbumin
 61764 Phytohemagglutinin, PHA
 84360 Protamine sulfate
 84360 Salmine sulfate
 46320 Silkfibrin
 05495 Silver proteinate
 61763 Soybean Agglutinin, SBA
 90190 Transferrin, human
 61767 Wheat Germ Agglutinin, WGA

Protein Sequence Analysis

05937 Allyldimethylamine, DMAA
 09422 Amino acids 4-bromophenylthiohydantoins, Kit
 09424 Amino acids 4-chlorophenylthiohydantoins, Kit
 09426 Amino acids 4-fluorophenylthiohydantoins, Kit
 09420 Amino acids phenylthiohydantoins, Kit
 10417 8-Anilidonaphthalene-1-sulfonic acid ammonium salt, ANS-NH $_4$
 10419 8-Anilidonaphthalene-1-sulfonic acid magnesium salt, (ANS) $_2$ Mg
 12551 Benzene
 13365 N-Benzyl dimethylamine, DMBA
 42070 Bergmann Reagent
 15241 N,O-Bis(trimethylsilyl)acetamide, BSA

15238 N,O-Bis(trimethylsilyl)trifluoroacetamide with 1% TMCS, BSTFA with 1% TMCS
 18071 4-Bromophenyl isothiocyanate
 15241 BSA
 15238 BSTFA
 21860 N,N'-Carbonyldiimidazole
 19749 1-Chlorobutane
 26001 4-Chlorophenyl isothiocyanate
 43796 Cleland Reagent, DTE
 43819 Cleland Reagent, DTT
 43818 Cleland Reagent chiral, DTT chiral sym.-Collidine
 27690 N-Cyclohexyl-N'-(2'-(4-morpholinyl)-ethyl)carbodiimide-methyl-p-toluene-sulfonate
 29469 DABITC
 39065 Dansic acid
 39230 Dansyl-L-alanine, piperidine salt
 30249 N α -Dansyl-L-arginine
 30425 Dansyl-L-asparagine, piperidine salt
 30426 Dansyl-L-aspartic acid, dicyclohexylamine salt
 30440 Dansyl-S-carboxymethyl-L-cysteine, dicyclohexylamine salt
 30451 Dansyl-L-cysteic acid, bis-dicyclohexylamine salt
 30436 Dansyl-L-glutamic acid, dicyclohexylamine salt
 30435 Dansyl-L-glutamine, dicyclohexylamine salt
 30433 Dansyl-glycine, piperidine salt
 30442 N α -Dansyl-L-histidine
 30437 Dansyl-L-isoleucine, piperidine salt
 30438 Dansyl-L-leucine, piperidine salt
 30439 di-Dansyl-L-lysine, dicyclohexylamine salt
 30441 Dansyl-L-methionine, piperidine salt
 30443 Dansyl-L-phenylalanine, piperidine salt
 30444 Dansyl-L-proline, piperidine salt
 30445 Dansyl-L-serine, piperidine salt
 30446 Dansyl-L-threonine, piperidine salt
 30447 N α -Dansyl-L-tryptophan, piperidine salt
 30448 Dansyl-L-tyrosine
 30449 Dansyl-L-valine, piperidine salt
 39220 Dansyl chloride, DNS-Cl
 31535 1,2-Diacetylbenzene
 03529 1,2-Dichloroethane
 66740 Dichloromethane
 36650 N,N'-Dicyclohexylcarbodiimide
 31909 3-Diethylamino-1-propyne
 05937 N,N-Dimethylallylamine, DMAA
 39065 4-Dimethylaminoazobenzene-4'-isothiocyanate, DABITC
 39230 4-Dimethylaminonaphthalene-1-sulfonic acid
 39220 4-Dimethylaminonaphthalene-1-sulfonyl chloride, DNS-Cl
 39250 4-Dimethylamino-1-naphthyl isothiocyanate, DNTC
 13365 N,N-Dimethylbenzylamine, DMBA
 40250 N,N-Dimethylformamide, DMF
 42070 2,4-Dinitro-5-fluoroaniline, DNFA
 42080 2,4-Dinitrofluorobenzene, FDNB
 78480 DITC
 43796 1,4-Dithioerythriol, DTE
 43818 (-)-1,4-Dithio-L-threitol
 43819 1,4-Dithio-DL-threitol, DTT
 05937 DMAA
 13370 DMBA
 40250 DMF
 42070 DNFA
 39220 DNS-Cl
 39250 DNTC
 43796 DTE
 43819 DTT
 77249 Edman Reagent No. 3
 04290 Ethanethiol
 45759 Ethyl acetate
 02881 Ethyl alcohol
 03449 N-Ethyl-N'-(3-dimethylaminopropyl)-carbodiimide hydrochloride
 03529 Ethylene chloride
 04290 Ethylmercaptan
 04499 N-Ethylmorpholine
 42080 FDNB
 47614 Fluorescamine
 46952 Fluorescein isothiocyanate Isomer I, FITC
 42070 5-Fluoro-2,4-dinitroaniline

42080	1-Fluoro-2,4-dinitrobenzene
47380	4-Fluorophenyl isothiocyanate
77249	Heptafluorobutyric acid
77251	Heptafluorobutyric anhydride
77249	HFBA
63690	2-Mercaptoethanol
65543	Methyl alcohol
66740	Methylene chloride
67719	Methyl isothiocyanate, MITC
67869	N-Methylmorpholine, NMM
68677	4-Methylphenyl isothiocyanate
67719	MITC
72490	Ninhydrin
79760	OPHA
76755	Pentafluorophenyl isothiocyanate
77290	Pentafluoropropionic acid
77249	Perfluorobutyric acid, HFBA
77251	Perfluorobutyric anhydride
77290	Perfluoropropionic acid
78480	p-Phenylene diisothiocyanate, DITC
78781	Phenyl isothiocyanate, PITC
79760	o-Phthalaldehyde, OPHA
78781	PITC
80910	Pivaloyl chloride
82089	n-Propanol
82490	Proteinase A (E.C. 3.4.4.16)
09420	PTH-amino acids, Kit
09422	PTH(Br)-amino acids, Kit
09424	PTH(Cl)-amino acids, Kit
09426	PTH(F)-amino acids, Kit
82701	Pyridine
83335	0.25 M Quadrol-Trifluoroacetic acid Buffer in n-propanol-water (3:4 v/v); pH 9
42080	Sanger Reagent
92360	TMCS
89653	6-(4-Toluidino)-2-naphthalene- sulfonic acid, TNS
90780	Tributylamine
90340	Triethylamine
91699	Trifluoroacetic acid, TFA
91719	Trifluoroacetic anhydride
92360	Trimethylchlorosilane, TMCS
27690	2,4,6-Trimethylpyridine

Pteridines

09328	4-Aminofolic acid
09328	Aminopterin
09328	4-Aminopteroyl-L-glutamic acid
45675	Erythropterin (2-Amino-4,7-dihydroxy- pteridiny-7-pyruvic acid)
47620	Folic acid
59945	Isoxanthopterin (2-Amino-4,6- dihydroxypteridine)
62651	Lumazine
69865	L-Monapterin [L-threo-1-(2-Amino-4- hydroxy-6-pteridiny)-1,2,3-propane- triol]
72147	D-Neopterin (D-erythro-1-(2-Amino-4- hydroxy-6-pteridiny)-1,2,3-propane- triol)
62651	2,4-Pteridinediol
82551	Pterin (2-Amino-4-hydroxypteridine)
82553	Pterin-6-carboxylic acid
82554	Pterin-7-carboxylic acid
47620	Pteroylglutamic acid
87355	dl-L-Tetrahydrofolic acid dihydro- chloride
87465	5,6,7,8-Tetrahydropterin sulfate
87355	dl-5,6,7,8-Tetrahydropteroyl-L-glutamic acid dihydrochloride
95511	Xanthopterin (2-Amino-4,6-dihydroxy- pteridine)

Purines and Pyrimidines

07850	Acetylacetone guanidine
01830	Adenine
01840	Adenine monohydrochloride
01880	Adenine sulfate dihydrate
05760	Alloxan(tetrahydrate)
05770	Alloxantin
07700	2-Amino-4,6-dichloropyrimidine
09630	4-Amino-2,6-dihydroxypyrimidine
09640	5-Amino-2,6-dihydroxypyrimidine

07850	2-Amino-4,6-dimethylpyrimidine
40401	2-Amino-1,7-dimethyl-6-hydroxypurine
51020	2-Amino-6-hydroxypurine
67070	2-Amino-6-hydroxy-1-methylpurine
67072	2-Amino-6-hydroxy-3-methylpurine
67073	2-Amino-6-hydroxy-7-methylpurine
67074	2-Amino-6-hydroxy-9-methylpurine
66581	4(6)-Amino-2-hydroxy-5-methyl- pyrimidine
30430	4-Amino-2-hydroxypyrimidine
88800	2-Amino-6-mercaptopurine
08589	6-Amino-1-methylpurine
08592	6-Amino-3-methylpurine
01830	6-Aminopurine
09380	2-Aminopyrimidine
09630	4(6)-Aminouracil
09640	5-Aminouracil
11370	8-Azaadenine (6-Amino-8-azapurine)
11410	8-Azaguanine (2-Amino-8-aza-6- hydroxypurine)
11440	6-Azathymine (6-Aza-2,4-dihydroxy-5- methylpyrimidine)
11450	6-Azuracil (6-Aza-2,4-dihydroxy- pyrimidine)
11460	8-Azaxanthine (8-Aza-2,6-dihydroxy- purine)
11710	Barbituric acid
11715	Barbituric acid sodium salt
13151	N ⁶ -Benzyladenine
18660	5-Bromo-2,4-dihydroxypyrimidine
18415	8-Bromothioephyl-8-Bromo-1,3- dimethylxanthine)
18660	5-Bromouracil
27600	Caffeine
21970	5-Carboxy-2,4-dihydroxypyrimidine
75500	6-Carboxy-2,4-dihydroxypyrimidine
75500	4-Carboxyuracil
21970	5-Carboxyuracil
25307	6-(Chlormethyl)uracil
25615	2-Chloro-5-nitropyrimidine
26260	6-Chloropurine
26275	2-Chloropyrimidine
30430	Cytosine
33030	4,5-Diamino-6-hydroxy-2-mercapto- pyrimidine (5,6-4-2)
33070	4,5-Diamino-6-hydroxypyrimidine sulfate (5,6-4)
33030	4,5-Diamino-2-thiouracil
33420	4,5-Diaminouracil sulfate (5,6)
36430	4,6-Dichloropyrimidine
32000	Diethylbarbituric acid
41761	2,6-Dihydroxy-1,7-dimethylpurine
41762	2,6-Dihydroxy-1,9-dimethylpurine
41763	2,6-Dihydroxy-3,9-dimethylpurine
41730	2,4-Dihydroxy-1,3-dimethylpyrimidine
47576	2,4-Dihydroxy-5-fluoropyrimidine
69720	2,6-Dihydroxy-1-methylpurine
69722	2,6-Dihydroxy-3-methylpurine
69723	2,6-Dihydroxy-7-methylpurine
69724	2,6-Dihydroxy-8-methylpurine
69725	2,6-Dihydroxy-9-methylpurine
89310	4,6-Dihydroxy-5-methylpyrimidine
69640	2,4-dihydroxy-6-methylpyrimidine
74100	2,4-Dihydroxy-5-nitropyrimidine
37910	7-(2,3-Dihydroxypropyl) theophylline
95490	2,6-Dihydroxypurine
94220	2,4-Dihydroxypyrimidine
37950	4,6-Dihydroxypyrimidine
87955	2,6-Dihydroxy-1,3,7,9-tetramethyl- purinium methosulfate
39400	N,N-Dimethyladenine
39400	6-Dimethylaminopurine
39565	1,3-Dimethylbarbituric acid
40401	1,7-Dimethylguanine
40405	7,9-dimethyl guaninium bataine
40406	1,3-Dimethyluric acid (1,3-Dimethyl- 2,6,8-trihydroxypurine)
40408	1,9-Dimethyluric acid (1,9-Dimethyl- 2,6,8-trihydroxypurine)
40411	3,9-Dimethyluric acid (3,9-Dimethyl- 2,6,8-trihydroxypurine)
40412	7,9-Dimethyluric acid (7,9-Dimethyl- 2,6,8-trihydroxypurine)
41730	1,3-Dimethyluracil
41761	1,7-Dimethylxanthine
41762	1,9-Dimethylxanthine
41763	3,9-Dimethylxanthine
41765	7,9-Dimethylxanthinium betaine
88310	1,3-Dimethylxanthine-7-acetic acid
37910	Dyphylline
67073	Epiguanine
04710	5-Ethyl-5-phenyl barbituric acid

04712	5-Ethyl-5-phenyl barbituric acid sodium salt
47576	5-Fluorouracil
48130	6-Furfurylaminopurine
51020	Guanine
51030	Guanine hydrochloride
69723	Heteroxanthine
69400	4-Hydroxy-2-mercapto-6-methyl- pyrimidine
82460	4-Hydroxy-2-mercapto-6-propyl- pyrimidine
89060	4-Hydroxy-2-mercaptopyrimidine
67845	6-Hydroxy-9-methyl-3-(methylamino)- purine
56700	6-Hydroxypurine
56420	4(6)-Hydroxypyrimidine
56430	2-Hydroxypyrimidine hydrochloride
56250	6-Hydroxy-2,4,5-triaminopyrimidine sulfate (4-2,5,6)
56700	Hypoxanthine
58330	Isobarbituric acid
93765	Isocaffeine
21970	Isoorotic acid
48130	Kinetin
11710	Malonylurea
63810	6-Mercaptopurine
63851	2-Mercaptopyrimidine
65700	N ⁶ -Methyladenine
08589	1-Methyladenine
08592	3-Methyladenine
65700	6-(Methylamino)purine
66581	5-Methylcytosine
67070	1-Methylguanine
67072	3-Methylguanine
67073	7-Methylguanine
67074	9-Methylguanine
89310	5-Methyluracil
67077	3-Methyluric acid (3-Methyl-2,6,8- trihydroxypurine)
67078	7-Methyluric acid (3-Methyl-2,6,8- trihydroxypurine)
67079	9-Methyluric acid (9-Methyl-2,6,8- trihydroxypurine)
68990	6-Methylpurine
69080	4-Methylpyrimidine
69090	5-Methylpyrimidine
69400	4(6)-Methyl-2-thiouracil
69640	4(6)-Methyluracil
69720	1-Methylxanthine
69722	3-Methylxanthine
69723	7-Methylxanthine
69724	8-Methylxanthine
69725	9-Methylxanthine
74100	5-Nitouracil
75500	Orotic acid
75510	Orotic acid monohydrate
82460	4(6)-Propyl-2-thiouracil
82580	Purine
83120	Pyrimidine
08589	Spongopurine
87080	2,4,5,6-Tetrachloropyrimidine
87847	1,3,7,9-Tetramethyluric acid (1,3,7,9- Tetramethyl-2,6,8-trihydroxypurine)
87955	1,3,7,9-Tetramethylxanthinium methosulfate
88310	Theophylline-7-acetic acid
88481	2-Thiobarbituric acid
88800	6-Thioguanine
89060	2-Thiouracil
89310	Thymine
90581	2,4,6-Triaminopyrimidine
91390	2,6,8-Trichloropurine ammonium salt
51449	2,6,8-Trihydroxypurine
58330	2,4,5-Trihydroxypyrimidine
11710	2,4,6-Trihydroxypyrimidine
92461	1,3,7-Trihydroxypurine (2,6,8-Tri- hydroxy-1,3,7-trimethylpurine)
92462	1,3,9-Trihydroxypurine (2,6,8-Tri- hydroxy-1,3,9-trimethylpurine)
92464	3,7,9-Trihydroxypurine (2,6,8-Tri- hydroxy-3,7,9-trimethylpurine)
27600	1,3,7-Trihydroxypurine
92765	1,3,9-Trihydroxypurine
94220	Uracil
75500	Uracil-4-carboxylic acid
21970	Uracil-5-carboxylic acid
51449	Uric acid
32000	Veronal
95490	Xanthine

Steroids

86510 17 β -Acetoxy-4-androstene-3-one
26750 3 α -Acetoxy-5-cholestene
00805 3 β -Acetoxy-5-etiolic acid
81540 21-Acetoxy-1,4-pregnadien-11 β , 17 α -diol-3,20-dione
54100 21-Acetoxy-4-pregnen-11 β , 17 α -diol-3,20-dione
31000 21-Acetoxy-4-pregnen-3,20-dione
27870 21-Acetoxy-4-pregnen-17 α -ol-3,11,20-trione
81640 3 β -Acetoxy-5-pregnen-20-one
02280 Adrenosterone
02320 Aescin
05521 18-Aldocorticosterone
05521 Aldosterone
05740 Allopregnen-3 β ,20 β -diol
10250 1,4-Androstadien-17 β -ol-3-one
10300 5 α -Androstan-17 β -ol-3-one
10350 5 α -Androstan-3 α -ol-17-one
10360 5 α -Androstan-3 β -ol-17-one
10340 4-Androsten-3,17-dione
30760 5-Androsten-3 β -ol-17-one
86500 4-Androsten-17 β -ol-3-one
02280 4-Androsten-3,11,17-trione
10350 cis-Androsterone
10360 trans-Androsterone
75270 3-Benzoyloxy-17 β -estrole
22510 Chenodeoxycholic acid
30800 5,7-Cholestadien-3-ol
26700 5 α -Cholestane
26710 5 α -Cholestan-3 β -ol
26720 4-Cholesten-3-one
26730 5-Cholesten-3 β -ol
26730 Cholesterol
26750 Cholesteryl acetate
26810 Cholesteryl chloride
26910 Cholesteryl palmitate
26765 Cholesteryl phosphoryl choline
26950 Cholesteryl stearate
27010 Cholic acid
27030 Cholic acid sodium salt
50540 Cholyglycine
30990 Cortexone
27840 Corticosterone
27860 Cortisone
27870 Cortisone 21-acetate
30030 Cymarin
30760 trans-Dehydroandrosterone
30800 7-Dehydrocholesterol
30830 Dehydrocholic acid
30850 Dehydrocholic acid sodium salt
30860 11-Dehydrocorticosterone
30760 Dehydroepiandrosterone
30960 Deoxycholic acid
30970 Deoxycholic acid sodium salt
30990 11-Deoxycorticosterone
31000 11-Deoxycorticosterone acetate
31000 11-Deoxy-17 α -hydroxycorticosterone
37020 Digitoxigenin
37090 Digoxigenin
37030 Digitoxin
37100 Digoxin
26710 Dihydrocholesterol
85451 α -Dihydrofucosterol
85451 22,23-Dihydrostigmaterol
10300 Dihydrotestosterone
56680 3 α ,6 α -Dihydroxy-5 β -cholanolic acid
22510 3 α ,7 α -Dihydroxy-5 β -cholanolic acid
94465 3 α ,7 β -Dihydroxy-5 β -cholanolic acid
30960 3 α ,12 α -Dihydroxy-5 β -cholanolic acid
30970 3 α ,12 α -Dihydroxy-5 β -cholanolic acid sodium salt
10340 3,17-Dioxo-4-androstene
44656 α -Ecdysone
10360 Epiandrosterone
55175 18,20-Epoxy-20,21-dihydroxy-4-pregnen-3-one
45480 5,7,22-Ergostatrien-3 β -ol
45480 Ergosterol
02320 Escin
75260 1,3,5-Estatrien,3,17 β -diol
75290 1,3,5-Estatrien-3 β ,16 α ,17 β -triol
75300 1,3,5-Estatrien-3-ol-17-one
75260 β -Estradiol
75270 β -Estradiol 3-benzoate
75290 Estriol
75300 Estrone
75300 Fulliculin
48940 Gitoxigenin
48950 Gitoxin

50540 Glycocholic acid
54080 Hydrocortisone
54100 Hydrocortisone acetate
10250 17 β -Hydroxy-1,4-androstadien-3-one
10350 3 α -Hydroxy-5 α -androstan-17-one
10360 3 β -Hydroxy-5 α -androstan-17-one
10300 17 β -Hydroxy-5 α -androstan-3-one
54518 19-Hydroxy-4-androsten-3,17-dione
30760 3 β -Hydroxy-5-androsten-17-one
86500 17 β -Hydroxy-4-androsten-3-one
62620 3 α -Hydroxy-5 β -cholanolic acid
26710 3 β -Hydroxy-5 α -cholestane
54080 17-Hydroxycorticosterone
55145 18-Hydroxycorticosterone
27860 17-Hydroxy-11-dehydrocorticosterone
55175 18-Hydroxydeoxycorticosterone
74640 17 β -Hydroxy-4-estrene-3-one
81630 3 β -Hydroxy-5-pregnen-20-one
56240 17 α -Hydroxyprogesterone
56243 18-Hydroxyprogesterone
30990 21-Hydroxyprogesterone
56680 α -Hyodeoxycholic acid
10360 Isoandrosterone
37090 Lanadigigenin
62620 Lithocholic acid
90160 Lycopersicin
69240 17 α -Methyl-4-androsten-17 β -ol-3-one
69240 17 α -Methyltestosterone
74505 19-Nor-4-androsten-3,17-dione
74640 19-Nortestosterone
75640 Ouabain
26720 3-Oxo-4-cholestene
81540 Prednisolone acetate
81550 Prednisone
81550 1,4-Pregnadien-17 α ,21-diol-3,11,20-trione
81570 5 β -Pregnen-3 α ,20 α -diol
81580 5 β -Pregnen-3 α ,20 β -diol
27840 4-Pregnen-11 β ,21-diol-3,20-dione
31100 4-Pregnen-17 α ,21-diol-3,20-dione
27860 4-Pregnen-17 α ,21-diol-3,11,20-trione
81700 4-Pregnen-3,20-dione
54080 4-Pregnen-11 β ,17 α ,21-triol-3,20-dione
56240 4-Pregnen-17 α -ol-3,20-dione
56243 4-Pregnen-18-ol-3,20-dione
30990 4-Pregnen-21-ol-3,20-dione
81630 5-Pregnen-3 β -ol-20-one
81640 5-Pregnen-3 β -ol-20-one acetate
81700 Progesterone
86540 17 β -Propionyloxy-4-androsten-3-one
45480 Provitamin D₂
30800 Provitamin D₃
48950 Pseudodigitoxin
30990 «Reichstein Q»
31100 «Reichstein S»
84510 Saponin
85451 β -Sitosterol
85860 Stigmaterol
30030 K-Strophantidin-D-cymaroside
30300 K-Strophantin- α
75640 G-Strophantin
86339 Taurocholic acid sodium salt
86500 Testosterone
86510 Testosterone acetate
86540 Testosterone propionate
48940 3,14,16,21-Tetrahydroxy-20,22-norcholenic acid lactone
37090 3 β ,12 β ,14,21-Tetrahydroxy-20,22-norcholenic acid lactone
90159 Tomatidine
90160 Tomatine
27010 3 α ,7 α ,12 α -Trihydroxy-5 β -cholanolic acid
27030 3 α ,7 α ,12 α -Trihydroxy-5 β -cholanolic acid sodium salt
37020 3,14,21-Trihydroxy-20,22-norcholenic acid lactone
30830 3,7,12-Trioxo-5 β -cholanolic acid
30850 3,7,12-Trioxo-5 β -cholanolic acid sodium salt
94465 Ursodeoxycholic acid
95220 Vitamin D₂
95230 Vitamin D₃

Sulphydryl Reagents

01039 N-Acetyl-L-cysteine, NAC
01220 3-Acetylindole
01710 Acrylonitrile
57672 1,5-I-AEDANS
09470 5-Amino-1H-tetrazole monohydrate
11580 Azobenzene-2-sulphenyl bromide
38520 BAL
14760 BDC-OH
12266 N-[p-(2-Benzimidazolyl)phenyl]maleimide, BIPM
14760 4,4'-Bis(dimethylamino)diphenylcarbinol, BDC-OH
16085 2-Bromoacetamido-4-nitrophenol
18350 N-Bromosuccinimide
43796 Cleland Reagent, DTE
43819 Cleland Reagent, DTT
43818 Cleland Reagent chiral, DTT chiral
55540 «p-Chloromercuribenzoate», PCMB
25010 4-Chloromercuribenzoic acid
39145 DACM-3
30431 Dansylaziridine
36675 N,N'-Dicyclohexyl-O-methyl isourea
37680 2,2'-Dihydroxy-6,6'-dinaphthyl disulfide, DDD
38520 2,3-Dimercapto-1-propanol, BAL
39145 N-(7-Dimethylamino-4-methyl-3-coumarinyl)maleimide, DACM-3
30431 N-(5-Dimethylaminonaphthalene-1-sulfonyl)aziridine
43180 1,1-Diphenyl-2-picrylhydrazyl
43760 5,5'-Dithiobis(2-nitrobenzoic acid), DTNB
43791 2,2'-Dithiodipyridine, 2-PDS
43794 4,4'-Dithiodipyridine, 4-PDS
43796 1,4-Dithioerythritol, DTE
43818 (-)-1,4-Dithio-L-threitol, DTT chiral
43819 1,4-Dithio-DL-threitol, DTT
44130 1-Dodecanethiol
43796 DTE
43760 DTNB
43819 DTT
43818 DTT chiral
43760 Ellman Reagent
04260 N-Ethylmaleimide, NEM
46540 N-(3-Fluoranthyl)maleimide, FAM
46980 Fluorescein mercuric acetate, FMA
57672 Hudson-Weber Reagent
95300 Hydrogen peroxide
55340 5-Hydroxyindole
55540 4-Hydroxymercuribenzoic acid sodium salt
57190 Indole
57280 3-Indoleacetonitrile
57290 3-(3-Indole)acrylic acid
57210 Indole-3-aldehyde
57670 Iodoacetamide
57672 N-(Iodoacetamidoethyl)-1-naphthylamine-5-sulfonic acid, 1,5-I-AEDANS
57840 Iodoacetic acid
57859 Iodoacetic acid sodium salt
57750 4-Iodobenzenesulfonyl chloride
67690 Iodomethane
57990 2-Iodosobenzoic acid
58070 N-Iodosuccinimide
16085 Koshland Reagent III
88650 Mercaptoacetic acid
63690 2-Mercaptoethanol
88640 3-Mercapto-1,2-propanediol
63794 2-Mercaptopropionylglycine
65000 5-Methoxy-indole
36675 O-Methyl-N,N'-dicyclohexylisourea
66638 O-Methyl-N,N'-diisopropylisourea
67690 Methyl iodide
67714 O-Methylisourea hydrogensulfate, OMI
73045 Methyl 4-nitrobenzenesulfonate
04260 NEM
57865 4-Nitrophenyl iodoacetate
67714 OMI
55540 PCMB
78795 N-Phenylmaleimide
82656 N-(3-Pyrenyl)maleimide
88559 Thiodiethylene glycol, Thiodiglycol
88640 1-Thioglycerol
88650 Thioglycolic acid
95050 4-Vinylpyridine monomer

Terpenes**Monoterpenes**

05700	Alloocimene
05708	neo-Alloocimene
08562	(-)-3-Aminomethylpinane hydrochloride
08563	(+)-3-Aminomethylpinane hydrochloride
11650	Azulene
21330	2,3-Bornanedione
15600	(-)-Borneol
15610	Borneol
15630	R(+)-Bornylamine
16571	(+)-3-Bromocamphor
21284	(-)-Camphanic acid
21290	(+)-Camphene
21300	(+)-Camphor
21310	(±)-Camphor
21340	(+)-Camphoric acid
21330	Camphor-3-quinone
21986	(+)-3-Carene
22051	Carvacrol
63655	Carvomenthene
62120	Carvene
22060	(-)-Carvone
22070	(+)-Carvone
22075	(-)-trans-Caryophyllene
46090	Cineole
27450	Citral (cis + trans)
27470	Citronellal
27475	(+)-β-Citronellene
27483	(-)-β-Citronellol
30040	p-Cymene
40960	(+)-5,7-Dimethyl-1,6-octadiene
41011	3,7-Dimethyl-1-octanol
40980	3,7-Dimethyl-1-octene
42560	Dipentene
46090	Eucalyptol
46199	Fenchol
46200	(-)-Fenchone
46210	(+)-Fenchone
48798	Geraniol
45897	Geranyl acetate
48805	trans-Geranylacetone
58170	α-Ionone
58180	β-Ionone
58220	α-Irone
58335	R(-)-Isobornylamine hydrochloride
40960	Isocitronellene
62130	(-)-Limonene
62120	(+)-Limonene
62140	(±)-Linalool
45980	Linalyl acetate
63655	(+)-p-1-Menthene
63660	(-)-Menthol
63670	(±)-Menthol
63680	Menthone
45990	Menthyl acetate
84320	Menthyl salicylate
70154	(-)-cis-Myrtanol
70155	(-)-trans-Myrtanol

70158	(-)-Myrtenol
72135	Neomenthol
72136	(+)-Neomenthol
72170	Nerol
77429	α-Phellandrene
80592	(-)-cis-Pinane
80593	(+)-cis-Pinane
80595	(-)-trans-Pinane
80599	(-)-α-Pinene
80605	(+)-α-Pinene
80609	(-)-β-Pinene
82569	(+)-Pulegone
86475	α-Terpinene
86478	γ-Terpinene
86480	Terpineol anhydrous
87353	(-)-Tetrahydrocitronellene
89230	α + β-Thujone
89330	Thymol
94879	(-)-cis-Verbenol
94881	(+)-cis-Verbenol
94882	(-)-Verbenone

Sesquiterpenes

00015	Abscisic acid
11067	(+)-Aromadendrene
53675	α-Caryophyllene
22135	(+)-Cedrol
46191	Farnesol
45895	Farnesyl acetate
46197	Farnesyl methyl ether
49070	(-)-Globulol
50890	Guaiazulene
53675	α-Humulene
58925	(-)-Isolongifolol
62633	(+)-Longicyclene
62635	(+)-Longifolene
72180	cis-Nerolidol
80410	Picrotoxin

Diterpenes

00010	Abietic acid
30752	(+)-Dehydroabietylamine
30754	(+)-Dehydroabietylamine acetate
48880	Gibberellic acid
48870	Gibberellin
80191	Phytol
95142	Retinal
95152	Retinoic acid
95144	all-trans-Retinol
95152	Vitamin-A-acid
95144	Vitamin-A-alcohol
95142	Vitamin-A-aldehyde

Triterpenes

50510	18β-Glycyrrhetic acid
50531	Glycyrrhizic acid ammonium salt
80410	Picrotoxin
85630	Squalane

Carotenoids

22040	β-Carotene
-------	------------

Toxins

05032	Aflatoxin B ₁
05033	Aflatoxin B ₂
05035	Aflatoxin G ₁
05036	Aflatoxin G ₂

For Alkaloids see the special list «Alkaloids»

95560	Ammoidin
74711	(3R)-N-[(5-Chloro-8-hydroxy-3-methyl-1-oxo-7-isochromanyl)-carbonyl]-L-phenylalanine
80410	Cocculin
30030	Cymarin
31505	Diacetoxyscirpenol
37030	Digitalin cristalline
37030	Digitoxin
37100	Digoxin
85832	3a,12c-Dihydro-8-hydroxy-6-methoxy-7H-furo[3',2':4,5]furo [2,3-c]xanthen-7-one
60730	4,9-Dimethoxy-7-methylfuro [3,2-g][1]benzopyran-5-one
18840	3-(2-Dimethylaminoethyl)indol-5-ol hydrogenoxalate
90187	12,13-Epoxytrichothec-9-ene-3,4,8,15-tetrol, 4,15-diacetate, 8-isovalerate
31505	12,13-Epoxytrichothec-9-ene-3,4,15-triol, 4,15-diacetate
71510	Fluoroacetic acid sodium salt
71510	Gifblaar poison
48940	Gitoxigenin
48950	Gitoxin
60730	Khellin

For Lectins see the special list «Proteins»

95560	Methoxsalen
95560	9-Methoxyfuro[3,2-g][1]benzopyran-7-one
74155	Nonactin
74711	Ochratoxin A
75640	Ouabain
80410	Picrotoxin
48950	Pseudodigitoxin
84025	Rubratoxin B
71520	Sodium fluoroacetate
85832	Sterigmatocystin
30030	K-Strophanthidin-β-D-cymaroside
75640	G-Strophanthin
30030	K-Strophanthin-α
90187	T-2 Toxin
48940	3,14,16,21-Tetrahydroxynor-20(22)-cholenic acid lactone
95560	Xanthotoxin

**Lieferprogramm
Sales Programme**

				sFr.	sFr.
	Abietic acid				
	$C_{20}H_{30}O_2$ M_r 302.46 [514-10-3]				
00010	pract. M.P. 158-161°; $[\alpha]_{D}^{20} -80 \pm 10^\circ$; $[\alpha]_D^{20} -65 \pm 10^\circ$ (c = 1 in Ethanol); Loss on drying <0.5%; store in refrigerator				
				25 g 10. —	100 g 32. —
	Abscisic acid [ABA; Dormin; 3-Methyl-5-(1-hydroxy-4-oxo-2,6,6-trimethyl-2-cyclohexenyl)-2,4-pentadienic acid] $CH_3C:CHCOCH_2C(CH_3)_2C(OH)CH:CHC(CH_3):CHCOOH$ $C_{15}H_{20}O_4$ M_r 264.32 [21293-29-8]				
00015	puriss. >99%(T); M.P. 186-188°; λ_{max} 260 nm; $E_{1cm}^{10\%}$ 805 (96% Ethanol); 1 g clearly soluble in 20 ml Methanol; store in refrigerator				
				250 mg 35. —	1 g 105. —
	Acenaphthene 6.1/81g $C_{10}H_6$ -1,8- CH_2CH_2 $C_{12}H_{10}$ M_r 154.21 [83-32-9]				
00020	purum ~98%(UV); M.P. 92-94°				
00030	pract. ~95%(UV); M.P. 90-94°				
				100 g 8. —	500 g 29. —
				1 kg 25. —	
00040	Acenaphthenequinone purum >97%(UV); M.P. 257-260° $C_{10}H_6$ -1,8- CO_2CO $C_{12}H_6O_2$ M_r 182.18 [82-86-0]				
				25 g 18. —	100 g 65. —
00060	Acenaphthylene pract. ~98%; M.P. 89-92° 6.1/81g $C_{12}H_8$ M_r 152.18 [208-96-8]				
				100 g 18. —	500 g 75. —
	ACES see 00195 N-(2-Acetamido)-2-aminoethanesulfonic acid				
	Acetal see 00109 Acetaldehyde diethyl acetal				
	Acetaldehyde (Aldehyde C_2) 3/5; -27° CH_3CHO C_2H_4O M_r 44.05 [75-07-0]				
00070	puriss. p.a. anhydrous; B.P. 20-21°; d_4^{20} 0.78; n_D^{20} 1.332; store in refrigerator				
		1 lt ≈ 0.78 kg	100 ml 7. —	500 ml 12. —	2.5 lt 50. —
	Fluka-Guarantee:				
	Assay (GC)	>99.5 %	Nickel (Ni)	<0.00001%	
	Residue on evaporation	<0.007 %	Copper (Cu)	<0.00001%	
	Free Acid (as CH_3COOH)	<0.5 %	Lead (Pb)	<0.00001%	
	Iron (Fe)	<0.00005%	Cadmium (Cd)	<0.00001%	
	Cobalt (Co)	<0.00001%	Zinc (Zn)	<0.00001%	
00071	purum >99%(GC), d_4^{20} 0.78; n_D^{20} 1.332; may contain 1-2% Paraldehyde; store in refrigerator				
		1 lt ≈ 0.78 kg	1 lt 13. —	2.5 lt 29. —	10 lt 95. —
00090	Acetaldehyde ammonia purum ~98%(NT); M.P. 95-97° dec. (1-Aminoethanol) $CH_3CH(NH_2)OH$ C_2H_7NO M_r 61.08 [75-39-8]				
				100 g 18. —	500 g 75. —
	Acetaldehyde cyanohydrin see 69830 DL-Lactonitrile				
	Acetaldehyde diethyl acetal (Acetal; 1,1-Diethoxyethane) 3/1a; 4° $CH_3CH(OC_2H_5)_2$ $C_6H_{14}O_2$ M_r 118.18 [105-57-7]				
00109	purum ~97%(GC); B.P. 100-103°; d_4^{20} 0.826; n_D^{20} 1.381				
		1 lt ≈ 0.83 kg	250 ml 22. —	1 lt 40. —	
	Acetaldehyde ethyl-(4-bromophenyl)-acetal see 02570 1-Ethoxy-1-(4-bromophenoxy)-ethane				
	Acetaldehyde oxime (Acetaldoxime) 3/3; 36° $CH_3CH:NOH$ C_2H_5NO M_r 59.07 [107-29-9]				
00150	purum ~99%(GC); B.P. 113-115°; d_4^{20} 0.968; n_D^{20} 1.426				
				50 g 15. —	250 g 63. —
	Acetaldoxime see 00150 Acetaldehyde oxime				
	Acetamide (Amide C_2) CH_3CONH_2 C_2H_5NO M_r 59.07 [60-35-5]				
00160	purum >99%(N); M.P. 79-81°; a 50% solution in water is colourless				
				250 g 11. —	1 kg 38. —
00170	Acetamidine acetate purum M.P. 189-191° $CH_3C(:NH)NH_2 \cdot CH_3COOH$ $C_2H_6N_2 \cdot CH_3COOH$ M_r 118.14 [58884-92-7]				
				10 g 30. —	
	Acetamidine hydrochloride $CH_3C(:NH)NH_2 \cdot HCl$ $C_2H_6N_2 \cdot HCl$ M_r 94.54 [124-42-5]				
00180	purum >99%(Cl); M.P. 165-170° dec.; 1 g clearly soluble in 10 ml water				
		100 g 10. —	250 g 22. —	1 kg 80. —	
	Acetamidoscetic acid see 01180 N-Acetylglycine				



sFr.

sFr.

00190	2-Acetamidoacrylic acid (N-Acetyldehydroalanine) $\text{CH}_2\text{:C}(\text{NHCOCH}_3)\text{COOH}$ $\text{C}_6\text{H}_7\text{NO}_3$ M_r 129.12 [5429-56-1] puriss. >99%(T); M.P. $\sim 195^\circ$ dec.; Ash <0.05%; H_2O q0.6%		5 g 32. —	25 g 135. —
00195	N-(2-Acetamido)-2-aminoethanesulfonic acid , ACES $\text{H}_2\text{NCOCH}_2\text{NHCH}_2\text{CH}_2\text{SO}_3\text{H}$ $\text{C}_4\text{H}_{10}\text{N}_2\text{O}_4\text{S}$ M_r 182.20 [7365-82-4] puriss. p.a. >99%(T); M.P. $\sim 290^\circ$ dec.; Ash <0.05%; pK at 20° 6.90; Biological buffer; useful pH-range 6.4-7.4; N.E. Good et al., Biochemistry 5, 467 (1966)		5 g 12. —	25 g 50. —
00220	4-Acetamidobenzaldehyde (4'-Formylacetanilide) $\text{CH}_3\text{CONHC}_6\text{H}_4\text{CHO}$ $\text{C}_9\text{H}_9\text{NO}_2$ M_r 163.18 [122-85-0] pract. $\sim 95\%$ (T); M.P. 148-153°; H_2O 2-4%		25 g 12. —	100 g 40. —
00223	3-Acetamidobenzaldehyde thiosemicarbazone pract. >95%(S); M.P. 100-105° $\text{CH}_3\text{CONHC}_6\text{H}_4\text{CH:NNHCSNH}_2$ $\text{C}_{10}\text{H}_{12}\text{N}_4\text{OS}$ M_r 236.31		100 g 30. —	
4-Acetamidobenzenesulfonyl chloride see 00240 N-Acetylsulfanilyl chloride				
2-Acetamidobenzoic acid see 00221 N-Acetylanthranilic acid				
00222	3-Acetamidobenzoic acid purum >98%(T); M.P. 250-251° $\text{CH}_3\text{CONHC}_6\text{H}_4\text{COOH}$ $\text{C}_9\text{H}_9\text{NO}_3$ M_r 179.18 [587-48-4]		50 g 24. —	
00230	4-Acetamidobenzoic acid $\text{CH}_3\text{CONHC}_6\text{H}_4\text{COOH}$ $\text{C}_9\text{H}_9\text{NO}_3$ M_r 179.18 [556-08-1] purum >99%(T); M.P. 255-260° dec.; Ash <0.1%		25 g 10. —	100 g 32. — 500 g 135. —
00390	α-Acetamidocinnamic acid (N-Acetyldehydrophenylalanine) $\text{C}_6\text{H}_5\text{CH:C}(\text{NHCOCH}_3)\text{COOH}$ $\text{C}_{11}\text{H}_{11}\text{NO}_3$ M_r 205.22 [5469-45-4] puriss. >99%(T); M.P. 191-194°; H_2O <0.6%		10 g 28. —	50 g 120. —
00300	2-Acetamidofluorene [N-(2-Fluorenyl)-acetamide] 6.1/81g $\text{C}_6\text{H}_4\text{CH}_2\text{C}_6\text{H}_3\text{NHCOCH}_3$ $\text{C}_{15}\text{H}_{13}\text{NO}$ M_r 223.28 [53-96-3] puriss. $\sim 98\%$ (UV); M.P. 192-196°; Human carcinogen; for experimental cancer generation		5 g 20. —	25 g 85. —
00308	N-(2-Acetamido)iminodiacetic acid , ADA [N-(Carbamoylmethyl)iminodiacetic acid] $\text{NH}_2\text{COCH}_2\text{N}(\text{CH}_2\text{COOH})_2$ $\text{C}_6\text{H}_{10}\text{N}_2\text{O}_5$ M_r 190.16 [26239-55-4] puriss. p.a. >99%(T); M.P. 220° dec.; Ash <0.05%; pK at 20° 6.6; Biological buffer; useful pH-range 6.2-7.2; N.E. Good et al., Biochemistry 5, 467 (1966)		5 g 13. —	25 g 55. —
2-Acetamido-4-mercaptoputyric acid γ-thiolactone see 01190 N-Acetyl-DL-homocysteinethiolactone				
2-Acetamido-5-nitrothiazole see 00330 N-(5-Nitro-2-thiazolyl)acetamide				
00340	2-Acetamidophenol (2-Hydroxyacetanilide) $\text{CH}_3\text{CONHC}_6\text{H}_4\text{OH}$ $\text{C}_8\text{H}_9\text{NO}_2$ M_r 151.17 [614-80-2] pract. $\sim 97\%$ (NT); M.P. 201-205°		100 g 13. —	500 g 55. —
00350	3-Acetamidophenol pract. >98%(NT); M.P. 146-149° (3-Hydroxyacetanilide) $\text{CH}_3\text{CONHC}_6\text{H}_4\text{OH}$ $\text{C}_8\text{H}_9\text{NO}_2$ M_r 151.17 [621-42-1]		100 g 13. —	500 g 55. —
00360 00370	4-Acetamidophenol (Acetaminophen; 4-Hydroxyacetanilide) $\text{CH}_3\text{CONHC}_6\text{H}_4\text{OH}$ $\text{C}_8\text{H}_9\text{NO}_2$ M_r 151.17 [103-90-2] puriss. >99%(NT); M.P. 169-170°; Ash <0.05% purum >97%(NT); M.P. 167-169°; Ash <0.8%		50 g 9. — 100 g 7. —	250 g 35. — 500 g 21. —
00381	4-Acetamidothiophenol purum >98%(RT); M.P. 154-156° (4'-Mercaptoacetanilide) 6.1/81a $\text{CH}_3\text{CONHC}_6\text{H}_4\text{SH}$ $\text{C}_8\text{H}_9\text{NOS}$ M_r 167.23 [1126-81-4]		5 g 32. —	25 g 135. —
Acetaminophen see 00360 4-Acetamidophenol				
00400	Acetanilide purum Ph. Helv.; $\sim 98\%$ (UV); M.P. 114-115° (N-Phenylacetamide) $\text{CH}_3\text{CONHC}_6\text{H}_5$ $\text{C}_8\text{H}_9\text{NO}$ M_r 135.17 [103-84-4]		250 g 8. —	1 kg 25. —

Acethydrazide dimethylammonium chloride see 48910 Girard Reagent D**Acethydrazide pyridinium chloride** see 48920 Girard Reagent P**Acethydrazide trimethylammonium chloride** see 48930 Girard Reagent T

sFr.

sFr.

Acetic acid (Carboxylic acid C₂)8/21c; 40° CH₃COOH C₂H₄O₂ M_r 60.05 [64-19-7]45730 puriss p.a. suitable as solvent for Perchloric acid titration;
B.P. 116-118°; d₄²⁰ 1.049

1 lt ≈ 1.05 kg

1 lt 14. —

5 lt 60. —

Fluka-Guarantee:

Assay (T) >99.5 %

Residue on evaporation <0.005 %

Miscibility passes test

KMnO₄-reduced

substances passes test

Chloride (Cl) <0.0001%

Sulfate (SO₄) <0.0002%

Congealing point 15.5-16.5°

Iron (Fe) <0.00005%

Cobalt (Co) <0.00001%

Nickel (Ni) <0.00001%

Copper (Cu) <0.00001%

Lead (Pb) <0.00001%

Cadmium (Cd) <0.00001%

Zinc (Zn) <0.00001%



45731 puriss. p.a. >99.8%

1 lt ≈ 1.05 kg

1 lt 13. —

5 lt 55. —

Fluka-Guarantee:

Assay (T) >99.5 %

Residue on evaporation <0.005 %

Miscibility passes test

KMnO₄-reduced

substances passes test

Chloride (Cl) <0.0001%

Sulfate (SO₄) <0.0002%

Congealing point 15.5-16.5°

Indiff. against Chromic

acid passes test

Iron (Fe) <0.00005%

Cobalt (Co) <0.00001%

Nickel (Ni) <0.00001%

Copper (Cu) <0.00001%

Lead (Pb) <0.00001%

Cadmium (Cd) <0.00001%

Zinc (Zn) <0.00001%

45740 purum Ph. Helv. >98%; M.P. 15-16.5°; B.P. 116-118°;
d₄²⁰ 1.049; n_D²⁰ 1.373; Residue on evaporation <0.05%

1 lt ≈ 1.05 kg

1 lt 12. —

5 lt 50. —

Acetic acid-d₁ (mono-Deuteroacetic acid)8/21 CH₃COOD C₂H₃DO₂ M_r 61.06 [758-12-3]31350 puriss. >99.5 Atom% D; <0.2% H₂O + D₂O (with Fluka-Guarantee)

10 g 30. —

25 g 67. —

Acetic acid-d₄ (Tetradeuteroacetic acid)8/21 CD₃COOD C₂D₄O₂ M_r 64.08 [1186-52-3]87230 purum >99.5 Atom% D; <0.5% H₂O + D₂O
(with Fluka-Guarantee)

1 lt ≈ 1.12 kg

5 ml 29. —

25 ml 120. —

Acetic acid diethylamide see 31660 N,N-Diethylacetamide**Acetic acid hydroxysuccinimide ester** see 45906 N-Succinimidyl acetate**Acetic anhydride**8/21e; 47° (CH₃CO)₂O C₄H₆O₃ M_r 102.09 [108-24-7]45830 puriss. p.a.; for the unspecific acetylation
of functional groups (NH₂, OH and SH) in
proteins: H. L. Oppenheimer, B. Labouesse
and G. P. Hess, J. Biol. Chem. 241, 2720
(1966); and for the specific blocking of
side chain amino groups: J. Labouesse and
M. Gervais, Europ. J. Biochem. 2, 215
(1967); Review: D. H. Kim, J. Heterocycl.
13, 179 (1976)

1 lt ≈ 1.08 kg

250 ml 7. —

1 lt 12. —

2.5 lt 26. —

Fluka-Guarantee:

Assay (NT) >99.5 %

Non-volatile impurities <0.003 %

Chloride (Cl) <0.0002 %

Sulfate (SO₄) <0.0005 %Phosphate (PO₃) <0.001 %

Heavy metals (as Pb) <0.00001%

Iron (Fe) <0.0005 %

Cobalt (Co) <0.00001%

Nickel (Ni) <0.00001%

Copper (Cu) <0.00001%

Lead (Pb) <0.00001%

Cadmium (Cd) <0.00001%

Zinc (Zn) <0.00001%

45840 purum >98%(NT); B.P. 138-140°; d₄²⁰ 1.08; n_D²⁰ 1.390

1 lt ≈ 1.08 kg

1 lt 10. —

5 lt 40. —

00440 purum >98%(N); M.P. 84-86°

250 g 12. —

1 kg 40. —

Acetoacetanilide CH₃COCH₂CONHC₆H₅ C₁₀H₁₁NO₂ M_r 177.21 [102-01-2]**Acetoacetic acid 2,4,6-trichlorophenylester** see 00506 2,4,6-Trichlorophenyl-acetoacetate**Acetobromo-α-D-glucose**CH₃COOCH₂CH(CHOCOCH₃)₃CHBrO C₁₄H₁₉BrO₉ M_r 411.22 [572-09-8]

00530

purum ~95%(Br); stab. with 1% CaCO₃; M.P. 86-88°;
[α]_D²⁰ +230±10°; [α]_D²⁰ +195±10° (c=3 in Chlf.); store in refrigerator;
decomposes easily

10 g 20. —

50 g 85. —

				sFr.	sFr.
Acetoin (Acetyl methyl carbinol, 3-Hydroxy-2-butanone) $\text{CH}_3\text{COC}(\text{OH})\text{CH}_3$ $\text{C}_4\text{H}_8\text{O}_2$ M_r 88.11 [513-86-0]					
00540	pract. >97% (C, H-Analysis); M.P. 100-105°; dimer; 1 g clearly soluble in 10 ml water; store in refrigerator			50 g 12. —	250 g 50. —
Acetol see 54141 Hydroxyacetone					
1-Acetonaphthone (1-Acetylnaphthalene; Methyl-1-naphthylketone) $\text{CH}_3\text{COC}_{10}\text{H}_7$ $\text{C}_{12}\text{H}_{10}\text{O}$ M_r 170.21 [941-98-0]					
67990	purum >99% (GC); B.P. 93-95°; d_4^{20} 1.119; n_D^{20} 1.628	1 lt ≈ 1.12 kg		10 ml 25. —	50 ml 105. —
67992	techn. ~80% (GC) + ~20% Methyl-2-naphthylketone; d_4^{20} 1.118; n_D^{20} 1.628	1 lt ≈ 1.12 kg		250 ml 20. —	1 lt 70. —
2-Acetonaphthone (2-Acetylnaphthalene; Methyl-2-naphthylketone) $\text{CH}_3\text{COC}_{10}\text{H}_7$ $\text{C}_{12}\text{H}_{10}\text{O}$ M_r 170.21 [93-08-3]					
68000	purum >98% (GC); M.P. 52-53°; B.P. 301-303° (Lit.); <1% Methyl-1-naphthylketone			100 g 16. —	500 g 67. —
Acetone 3/5; -19° CH_3COCH_3 $\text{C}_3\text{H}_6\text{O}$ M_r 58.08 [67-64-1]					
00560	for UV-Spectroscopy; >99.5% (GC); B.P. 55-56° Fluka-Guarantee: Layer Thickness: 1 cm, Reference cell: Water Wave length (nm) 335 340 350 355 Transmittance in % 45 80 98 >99	1 lt ≈ 0.79 kg	500 ml 9. —	1 lt 16. —	2.5 lt 35. —
00565	for pesticide residue analysis; Distilled in Glass; Original packaging of Burdick and Jackson Laboratories Inc.	1 lt ≈ 0.79 kg	1 quart ≈ 0.95 lt	22. —	
00570	puriss. p.a. absolute and resistant against oxidation Fluka-Guarantee: Assay (GC) >99.5 % Water (H ₂ O) <0.4 % Residue on evaporation <0.001 % Acid (as CH ₃ COOH) <0.003 % Bases (as NH ₃) <0.001 % Methanol <0.05 % Aldehyde passes test KMnO ₄ -reducing substances (as O) <0.0003% Miscibility passes test		1 lt ≈ 0.79 kg	1 lt 10. —	2.5 lt 20. —
00580	purum Ph. Helv.; >99% (GC)	1 lt ≈ 0.79 kg	1 lt 8. —	5 lt 26. —	10 lt 40. —
Acetone-d₆ (Hexadeuteroacetone) 3/5; -19° CD_3COCD_3 $\text{C}_3\text{D}_6\text{O}$ M_r 64.12					
52376	puriss. >99.95 Atom% D	1 lt ≈ 0.87 kg		1 ml 22. —	5 ml 90. —
52377	puriss. >99.95 Atom% D	1 lt ≈ 0.87 kg		Package of 10 × 0.5 ml	75. —
52380	puriss. >99.5 Atom% D; <0.02% H ₂ O + D ₂ O	1 lt ≈ 0.87 kg		10 ml 30. —	50 ml 125. —
Acetone cyanohydrin (α-Hydroxysobutyronitrile) 6.1/11a; 75° $(\text{CH}_3)_2\text{C}(\text{OH})\text{CN}$ $\text{C}_4\text{H}_7\text{NO}$ M_r 85.11 [75-86-5]					
00591	pract. ~98% (GC); B.P. 68-70°; d_4^{20} 0.93; n_D^{20} 1.401	1 lt ≈ 0.93 kg		250 ml 7. —	1 lt 20. —
Acetonedicarboxylic acid (3-Oxoglutaric acid) $\text{HOOCCH}_2\text{COCH}_2\text{COOH}$ $\text{C}_5\text{H}_6\text{O}_5$ M_r 146.10 [542-05-2]					
00600	purum >98% (T); M.P. 133-135° dec.; Ash <0.3%; store in refrigerator			50 g 18. —	250 g 75. —
Acetone dimethyl acetal see 00660 2,2-Dimethoxypropane					
Acetone dipentyl acetal see 42640 2,2-Dipentoxypropane					
00750	Acetone oxime purum >98% (N); M.P. 60-61° $(\text{CH}_3)_2\text{C}:\text{NOH}$ $\text{C}_3\text{H}_7\text{NO}$ M_r 73.10 [127-06-0]			250 g 22. —	1 kg 80. —
Acetonitrile (Methyl cyanide) 6.1/2b; 2° CH_3CN $\text{C}_2\text{H}_3\text{N}$ M_r 41.05 [75-05-8]					
00690	for UV-Spectroscopy; 99.5% (GC); B.P. 80-81° Fluka-Guarantee: Layer Thickness: 1 cm, Reference cell: Water Wave length (nm) 210 220 240 260 300 Transmittance in % 50 80 93 98 >99	1 lt ≈ 0.78 kg		250 ml 16. —	1 lt 55. —
00691	for pesticide residue analysis; Distilled in Glass; Original packaging of Burdick and Jackson Laboratories Inc.	1 lt ≈ 0.78 kg	1 quart ≈ 0.95 lt	35. —	



			sFr.	sFr.
00692	for HPLC; n_D^{20} 1.344; UV cut-off 200 nm; solvent strength ϵ (Al_2O_3) 0.65; H_2O <0.2%	1 lt $\approx$ 0.78 kg	500 ml 26. —	1 lt 50. —
00700	puriss. p.a. >99.5%(GC); B.P. 80-81°; d_4^{20} 0.780; n_D^{20} 1.344; precursor of the appropriate amidate for the modification of proteins via amidation: M. J. Hunter and M. L. Ludwig, J. Am. Chem. Soc. 34, 3491 (1962); N. M. Whiteley and H. C. Berg, J. Mol. Biol. 87, 541 (1974)	1 lt $\approx$ 0.78 kg	250 ml 8. —	1 lt 22. —
00710	purum >99%(GC); B.P. 79-82°; d_4^{20} 0.780; n_D^{20} 1.344	1 lt $\approx$ 0.78 kg	500 ml 9. —	1 lt 15. —
Acetonitrile-d_3 (Deuterated Acetonitrile; Trideuteroacetonitrile)				
6.1/2b	CD_3CN C_2D_3N M_r 44.07 [2206-26-0]			
91619	puriss. >99.95 Atom% D	1 lt $\approx$ 0.84 kg	Package of 10 $\times$ 0.5 ml	90. —
91621	puriss. >99.8 Atom% D	1 lt $\approx$ 0.84 kg	5 ml 24. —	25 ml 100. —
91620	purum >99 Atom% D; <0.2% H_2O + D_2O	1 lt $\approx$ 0.84 kg	10 ml 55. —	50 ml 230. —
"Acetonochloroform" see 91210 α, α, α -Trichloro-tert.-butyl alcohol				
Acetonylacetone (2,5-Hexanedione)				
	$CH_3COCH_2CH_2COCH_3$ $C_6H_{10}O_2$ M_r 114.15 [110-13-4]			
00770	puriss. p.a. $\sim$ 99%(GC); M.P. -6--4°; B.P. 1168-70°; d_4^{20} 0.970; n_D^{20} 1.425; store in refrigerator	1 lt $\approx$ 0.97 kg	50 ml 21. —	250 ml 90. —
00780	pract. >95%(GC); B.P. 185-193° d_4^{20} 0.970; n_D^{20} 1.426	1 lt $\approx$ 0.97 kg	100 ml 20. —	500 ml 85. —
00785	Acetonyltriphenylphosphonium chloride purum >99%(NT); M.P. 244-246° dec. $CH_3COCH_2P(Cl)(C_6H_5)_3$ $C_{21}H_{20}ClOP$ M_r 354.82 [1235-21-8]		25 g 22. —	100 g 80. —
Aceto-p-phenetidine see 77440 Phenacetin				
Acetophenone (Methyl phenyl ketone)				
	3/4; 60° $CH_3COC_6H_5$ C_8H_8O M_r 120.15 [96-86-2]			
00790	puriss. p.a. >99.5%(GC); M.P. 19-20°; B.P. 1183-85°; d_4^{20} 1.027; n_D^{20} 1.534	1 lt $\approx$ 1.03 kg	250 ml 12. —	1 lt 40. —
00800	purum >98%(GC); M.P. 17-20°; d_4^{20} 1.028; n_D^{20} 1.533	1 lt $\approx$ 1.03 kg	1 lt 15. —	5 lt 63. —
Acetophenone-2-carboxylic acid see 00930 2-Acetylbenzoic acid				
Acetosyringone see 55185 4-Hydroxy-3,5-dimethoxyacetophenone				
α-Acetoxyacrylonitrile see 00843 1-Acetoxy-1-cyanoethylene				
17β-Acetoxy-4-androsten-3-one see 86510 Testosterone acetate				
2-Acetoxybenzoic acid see 01459 Acetylsalicylic acid				
3-Acetoxy-5-bromoindole see 17400 5-Bromoindoxyl acetate				
1-Acetoxy-2-butoxyethane (Ethylene glycol monobutyl ether acetate)				
	$CH_3COOCH_2CH_2O(CH_2)_3CH_3$ $C_8H_{16}O_3$ M_r 160.22 [112-07-2]			
00830	pract. >95%(GC); B.P. 188-192°; d_4^{20} 0.94; n_D^{20} 1.414	1 lt $\approx$ 0.94 kg	1 lt 18. —	
3β-Acetoxy-5-cholestene see 26750 Cholesteryl acetate				
1-Acetoxy-1-cyanoethylene (α -Acetoxyacrylonitrile; 2-Hydroxyacrylonitrile acetate)				
	6.1/21 $CH_2:C(OCOCH_3)CN$ $C_5H_5NO_2$ M_r 111.10 [3061-65-2]			
00843	purum stab. with 0.05% Di-tert.-butyl-p-cresol; >98%(GC); B.P. 1365°; d_4^{20} 1.060; n_D^{20} 1.425; Dienophile; ketene equivalent; Review: S. Ranganathan, D. Ranganathan, A. K. Mehrota, Synthesis 289 (1977)	1 lt $\approx$ 1.06 kg	5 ml 37. —	25 ml 155. —
4-Acetoxy-3,5-dimethoxyacetophenone see 00845 4-Hydroxy-3,5-dimethoxyacetophenone acetate				
2-Acetoxyethanol (Ethylene glycol monoacetate)				
	$CH_3COOCH_2CH_2OH$ $C_4H_8O_3$ M_r 104.11 [542-59-6]			
00811	techn. $\sim$ 50%(GC); B.P. 180-190°; d_4^{20} 1.11; n_D^{20} 1.42; contains 1,2 Diacetoxy-ethane	1 lt $\approx$ 1.11 kg	1 lt 25. —	
1-Acetoxy-2-ethoxyethane (Ethylene glycol monoethyl ether acetate)				
	3/3; 54° $CH_3COOCH_2CH_2OC_2H_5$ $C_6H_{12}O_3$ M_r 132.16 [111-15-9]			
00820	purum $\sim$ 98%(GC); B.P. 156-159°; d_4^{20} 0.97; n_D^{20} 1.406	1 lt $\approx$ 0.97 kg	1 lt 16. —	5 lt 67. —
3β-Acetoxy-5-etiolic acid (3 β -Acetoxyetiocolenic acid)				
	$C_{22}H_{32}O_4$ M_r 360.49 [51424-66-9]			
00805	puriss. >99%(T); M.P. 238-240°; $[\alpha]_{546}^{20}$ -21 $\pm$ 1°; $[\alpha]_D^{20}$ -18 $\pm$ 1° (c = 1 in Acetone); Reagent for the resolution of racemic alcohols; Org. Synth. Coll. Vol. 5, 8 (1973)		1 g 25. —	5 g 105. —

			sFr.	sFr.
	3-Acetoxyindole see 57420 Indoxyl acetate			
	1-Acetoxy-2-methoxyethane (Ethylene glycol monomethyl ether acetate) 3/3; 46° $\text{CH}_3\text{COOCH}_2\text{CH}_2\text{OCH}_3$ $\text{C}_6\text{H}_{10}\text{O}_3$ M_r 118.13 [110-49-6] 00860 purum >97%(GC); B.P. 140-144°; d_4^{20} 1.01; n_D^{20} 1.402 1 lt $\approx$ 1.01 kg 1 lt 15.— 5 lt 63.—			
	21-Acetoxy-1,4-pregnadiene-11β,17α-diol-3,20-dione see 81540 Prednisolone acetate			
	21-Acetoxy-4-pregnene-11β,17α-diol-3,20-dione see 54100 Hydrocortisone acetate			
	21-Acetoxy-4-pregnene-3,20-dione see 31000 11-Deoxycorticosterone acetate			
	21-Acetoxy-4-pregnen-17α, -ol-3,11,20-trione see 27870 Cortisone 21-acetate			
	3β-Acetoxy-5-pregnen-20-one see 81640 5-Pregnen-3 β -ol-20-one acetate			
	3-Acetoxythionaphthene (1-Benzothiophen-3-yl acetate) 3/4; >75° $\text{C}_8\text{H}_4\text{SCH}_2\text{COCOCH}_3$ $\text{C}_{10}\text{H}_8\text{O}_2\text{S}$ M_r 192.24 [24434-82-0] 00882 pract. >97%(GC); B.P. 165° (Lit.); d_4^{20} 1.248; n_D^{20} 1.603 1 lt $\approx$ 1.25 kg 10 ml 18.— 50 ml 75.—			
	Aceturic acid see 01180 N-Acetylglycine			
	Acetylacetaldehyde dimethyl acetal see 75830 3-Oxobutylaldehyde dimethyl acetal			
	Acetylacetone (2,4-Pentanedione) 3/3; 38° $\text{CH}_3\text{COCH}_2\text{COCH}_3$ $\text{C}_5\text{H}_8\text{O}_2$ M_r 100.12 00900 puriss. p.a. B.P. 136-138°; d_4^{20} 0.972; n_D^{20} 1.452; Indicator for complexometric titration of Fe(III): Z. analyt. Chem. 184, 255 (1961); for the modification of guanidino groups in proteins (e.g. Arg): P. A. Leclercq et al., Biochem. Biophys. Res. Commun. 45, 937 (1971) Fluka-Guarantee: Assay (GC) >99.5 % Nickel (Ni) <0.00001 % Ethyl acetate <0.01 % Copper (Cu) <0.000005 % Iron (Fe) <0.00005 % Cadmium (Cd) <0.000005 % Cobalt (Co) <0.00001 % Zinc (Zn) <0.000005 % 00909 purum >99%(GC); B.P. 139-141°; d_4^{20} 0.972; n_D^{20} 1.452 1 lt $\approx$ 0.97 kg 100 ml 7.— 500 ml 24.—			
	Acetylacetoneguanidine see 07850 2-Amino-4,6-dimethylpyrimidine			
	2-, 3- and 4-Acetylanisole see 64700, 64701 und 64710 2-, 3- and 4-Methoxyacetophenone			
	N-Acetylanthranilic acid purum >97%(T); M.P. 183-185° (2-Acetamidobenzoic acid) 00221 $\text{CH}_3\text{CONHC}_6\text{H}_4\text{COOH}$ $\text{C}_9\text{H}_9\text{NO}_3$ M_r 179.18 [89-52-1] 100 g 35.—			
	2-Acetylbenzoic acid (Acetophenone-2-carboxylic acid; 3-Hydroxy-3-methylphthalide) $\text{CH}_3\text{COC}_6\text{H}_4\text{COOH}$ $\text{C}_9\text{H}_8\text{O}_3$ M_r 164.16 [577-56-0] 00930 purum >98%(T); M.P. 115-117°; Reagent for the preparation of 3-Methylenephthalidylamino acids (MPID-amino acids): Ch. A. Panetta, A. L. Miller, Synthesis 43 (1977) 5 g 13.— 25 g 55.—			
	2-, 3- and 4-Acetylbenzotrifluoride see 91740, 91745 and 92750 2-, 3- and 4-Trifluoromethylacetophenone			
	Acetylbenzoylaconine see 01570 Aconitine			
	4-Acetylbiphenyl (4-Biphenyl methyl ketone; 4-Phenylacetophenone) $\text{C}_6\text{H}_5\text{C}_6\text{H}_4\text{COCH}_3$ $\text{C}_{14}\text{H}_{12}\text{O}$ M_r 196.25 [92-91-1] 00939 purum $\sim$ 95%(UV); M.P. 117-119° 50 g 24.— 250 g 100.—			
	Acetyl bromide purum >99%(Br); B.P. 74-77°; d_4^{20} 1.66 00960 8/22; 15° CH_3COBr $\text{C}_2\text{H}_3\text{BrO}$ M_r 122.95 [506-96-7] 1 lt $\approx$ 1.66 kg 100 ml 12.— 500 ml 50.—			
	N-Acetyl-4-bromoaniline see 16090 4-Bromoacetanilide			
	3- and 4-Acetylbromobenzene see 16109 and 16110 3- and 4-Bromoacetophenone			
	O-Acetyl-5-bromoindoxyl see 17400 5-Bromoindoxyl acetate			
	2-Acetylbutyrolactone $\text{CH}_2\text{CH}_2\text{CH}(\text{COCH}_3)\text{COO}$ $\text{C}_6\text{H}_8\text{O}_3$ M_r 128.13 [517-23-7] 00980 pract. >98%(GC); B.P. 118-123°; d_4^{20} 1.19; n_D^{20} 1.460 1 lt $\approx$ 1.19 kg 100 ml 11.— 500 ml 46.—			
	N-Acetylcaprolactam (1-Acetylhexahydro-2H-azepin-2-one; 1-Acetyl-2-oxohexamethylenimine) $\text{CO}(\text{CH}_2)_5\text{NCOCH}_3$ $\text{C}_8\text{H}_{13}\text{NO}_2$ M_r 155.20 [1888-91-1] 00981 purum B.P. 122-125°; d_4^{20} 1.098; n_D^{20} 1.488 1 lt $\approx$ 1.10 kg 250 ml 17.— 1 lt 60.—			



					sFr.	sFr.
Acetyl chloride						
00990	8/22; 5°	CH ₃ COCl C ₂ H ₃ ClO M _r 78.50 [75-36-5]				
		puriss. p.a. B.P. 50-52°; d ₄ ²⁰ 1.105; n _D ²⁰ 1.390		1 lt ≈ 1.10 kg	250 ml 12.—	1 lt 40.—
		Fluka-Guarantee:				
		Assay (T) >99.0 %	Nickel (Ni) <0.00001%			
		Residue on evaporation <0.0025 %	Iron (Fe) <0.00005%			
		Insolubles in water <0.0025 %	Copper (Cu) <0.00001%			
		Phosphorous acid (PO ₃) <0.001 %	Lead (Pb) <0.00001%			
		Phosphoric acid (PO ₄) <0.01 %	Cadmium (Cd) <0.00001%			
		Sulfate (SO ₄) <0.0002 %	Zinc (Zn) <0.00001%			
		Cobalt (Co) <0.00001%				
01000		purum >98%(T); B.P. 49-54°		1 lt ≈ 1.10 kg	1 lt 15.—	2.5 lt 33.—
01010	Acetylcholine bromide	purum >99%(Br); M.P. 140-143°			50 g 24.—	250 g 100.—
	6.1/21	(CH ₃) ₃ N(Br)CH ₂ CH ₂ OCOCH ₃ C ₇ H ₁₆ BrNO ₂ M _r 226.12 [66-23-9]				
01020	Acetylcholine chloride	purum Ph. Helv. ~99%(GC); M.P. 148-150° dec.; Ash <0.05%			25 g 7.—	100 g 20.—
	6.1/21	(CH ₃) ₃ N(Cl)CH ₂ CH ₂ OCOCH ₃ C ₇ H ₁₆ ClNO ₂ M _r 181.67 [60-31-1]				
01030	Acetylcholine iodide	puriss. >99%(I); M.P. 161-162°; store in refrigerator			10 g 10.—	50 g 37.—
	6.1/21	(CH ₃) ₃ N(I)CH ₂ CH ₂ OCOCH ₃ C ₇ H ₁₆ INO ₂ M _r 273.12 [2260-50-6]				
01031	Acetyl Coenzyme A Lithium salt	store in refrigerator			10 mg 85.—	
		C ₂₃ H ₃₅ N ₇ O ₁₇ P ₃ S.Li ₃ M _r 827.37 [72-89-9]				
01032	Acetyl Coenzyme A Sodium salt	puriss. store in refrigerator			25 mg 120.—	
		C ₂₃ H ₃₅ N ₇ O ₁₇ P ₃ S.Na ₂ M _r 853.53 [72-89-9]				
Acetyl cyanide see 16000 Pyruvonnitrile						
Acetylcyclohexane (Cyclohexyl methyl ketone; Hexahydroacetophenone)						
		CH ₂ (CH ₂) ₄ CHCOCH ₃ C ₈ H ₁₄ O M _r 126.20 [823-76-7]				
29465		pract. ~95%(GC); B.P. 180-183°; d ₄ ²⁰ 0.918; n _D ²⁰ 1.453		1 lt ≈ 0.92 kg	25 ml 22.—	100 ml 80.—
2-Acetylcyclohexanone						
	3/3	CH ₃ COCH(CH ₂) ₄ CO C ₈ H ₁₂ O ₂ M _r 140.18 [874-23-7]				
01035		purum >97%(GC); B.P. 224-226°; d ₄ ²⁰ 1.063; n _D ²⁰ 1.509		1 lt ≈ 1.06 kg	5 ml 18.—	25 ml 55.—
2-Acetylcyclopentanone						
		CH ₃ COCH(CH ₂) ₃ CO C ₇ H ₁₀ O ₂ M _r 126.16 [1670-46-8]				
01038		purum >97%(GC); B.P. 77-78°; d ₄ ²⁰ 1.06; n _D ²⁰ 1.489; store in refrigerator		1 lt ≈ 1.06 kg	5 ml 15.—	25 ml 63.—
Acetylcyclopropane (Cyclopropyl methyl ketone)						
	3/1a; 13°	CH ₃ COCHCH ₂ CH ₂ C ₅ H ₈ O M _r 84.12 [765-43-5]				
29960		purum >98%(GC); B.P. 111-113°; d ₄ ²⁰ 0.898; n _D ²⁰ 1.425		1 lt ≈ 0.90 kg	25 ml 14.—	100 ml 50.—
N-Acetyl-L-cysteine						
		HSCH ₂ CH(NHCOCH ₃)COOH C ₅ H ₉ NO ₃ S M _r 163.20 [616-91-1]				
01039		puriss. >99%(T); M.P. 110-112°; [α] _D ²⁰ +6.0±0.5°; [α] _D ²⁰ +5.3±0.5° (c = 2 in water); store in refrigerator			10 g 8.—	50 g 26.—
N-Acetyldehydroalanine see 00190 2-Acetamidoacrylic acid						
N-Acetyldehydrophenylalanine see 00390 α-Acetamidocinnamic acid						
Acetyldihydroxybenzene see Dihydroxyacetophenone						
01080	N-Acetyl-2,6-dimethylaniline	purum >98%(N); M.P. 179-181° (2,6-Dimethylacetanilide)			100 g 16.—	500 g 67.—
		CH ₃ COC ₆ H ₂ (CH ₃)NH ₂ C ₁₀ H ₁₃ NO M _r 163.22 [2198-53-0]				
N-Acetyl-3,4-dimethylaniline see 38860 3,4-Dimethylacetanilide						
Acetylene dibromide see 33910 1,2-Dibromoethylene (cis + trans)						
Acetylenedicarboxylic acid						
	8/21	HOCC:CCOOH C ₄ H ₂ O ₄ M _r 114.06 [142-45-0]				
01090		purum ~99%(T); M.P. 172-182° dec.; store in refrigerator			10 g 14.—	50 g 60.—
01091		pract. >98%(T)			100 g 20.—	500 g 85.—
01120	Acetylenedicarboxylic acid Monopotassium salt	purum ~98%(T)			100 g 35.—	500 g 145.—
	8/21	HOCC:CCOOK C ₄ HKO ₄ M _r 152.15 [928-04-1]				
Acetylene dichloride see 35140 trans-1,2-Dichloroethylene						
Acetylene tetrabromide see 86760 1,1,2,2-Tetrabromoethane						



		sFr.	sFr.
	Acetylene tetrachloride see 86960 1,1,2,2-Tetrachloroethane		
	2-Acetylfuran see 48200 2-Furyl methyl ketone		
	N-Acetyl-D-galactosamine HOCH ₂ CH(CHOH) ₂ CH(NHCOCH ₃)CH(OH)O C ₈ H ₁₅ NO ₆ M _r 221.21 [1811-31-0]		
01139	purum >98%(N); M.P. 160-161°; [α] _D ²⁰ 5h → 102±5°; [α] _D ²⁰ 5h → 85±5° (c = 1 in water)	100 mg 12.—	1 g 60.—
	N-Acetyl-D-glucosamine HOCH ₂ CH(CHOH) ₂ CH(NHCOCH ₃)CH(OH)O C ₈ H ₁₅ NO ₆ M _r 221.21 [7512-17-6]		
01140	puriss. >99%(N); M.P. ~215°dec.; [α] _D ²⁰ 2h → +49±2°; [α] _D ²⁰ 2h → +41±2° (c = 2 in water)	10 g 10.—	50 g 42.— 250 g 175.—
	N-Acetyl-glycinamide CH ₃ CONHCH ₂ CONH ₂ C ₄ H ₈ N ₂ O ₂ M _r 116.12 [2620-63-5]		
01185	purum >98%(N); M.P. 138-140°; Ash <0.1%; 1 g clearly soluble in 10 ml water	50 g 17.—	250 g 70.—
01180	N-Acetyl-glycine puriss. CHR >99%(T); M.P. 207-209° (Acetamidoacetic acid; Aceturic acid) CH ₃ CONHCH ₂ COOH C ₄ H ₇ NO ₃ M _r 117.11 [543-24-8]	100 g 13.—	500 g 50.—
	1-Acetylhexahydro-2H-azepin-2-one see 00981 N-Acetylcaprolactam		
	N-Acetyl-DL-homocysteinethiolactone (2-Acetamido-4-mercaptobutyric acid γ-thiolactone) SCH ₂ CH ₂ CH(NHCOCH ₃)CO C ₆ H ₉ NO ₂ S M _r 159.21 [1195-16-0]		
01190	puriss. biochim. >99%(N); M.P. 109-111°; Ash <0.05%; Reagent for insolubilizing antibodies: J. Stephen, R. G. C. Gallop and H. Smith, Biochem. J. 101, 717 (1966); K. R. Wood, J. Stephen and H. Smith, Nature 218, 773 (1968)	25 g 12.—	100 g 40.—
	2-Acetylhydroquinone see 37460 2,5-Dihydroxyacetophenone		
	1-Acetylimidazole CH:NCH:CHNCOCH ₃ C ₅ H ₆ N ₂ O M _r 110.12 [2466-76-4]		
01194	puriss. biochim. ~99%(N); M.P. 100-102°; reagent for the determination of free tyrosyl residues in proteins, acetylating agent: J. F. Riordan, W. E. C. Wacker, B. L. Vallee, Biochem. 4, 1758, (1965); M. J. Kronman, L. G. Holmes and F. M. Robbins, J. Biol. Chem. 246, 1909 (1971)	5 g 7.—	25 g 21.— 100 g 75.—
01220	3-Acetylidole purum >98%(N); M.P. 188-190° (3-Indolyl methyl ketone) C ₉ H ₇ NHCH:CCOCH ₃ C ₁₀ H ₉ NO M _r 159.19 [703-80-0]	5 g 21.—	25 g 90.—
	N-Acetyl-L-leucine (CH ₃) ₂ CHCH ₂ CH(NHCOCH ₃)COOH C ₈ H ₁₅ NO ₃ M _r 173.21 [1188-21-2]		
01260	puriss. CHR ~99%(T); M.P. 177-179°; [α] _D ²⁰ -27±1°; [α] _D ²⁰ -23±1° (c = 5 in Ethanol)	10 g 16.—	50 g 67.—
	S-Acetylmercaptosuccinic anhydride COCH ₂ CH(SCOCH ₃)COO C ₆ H ₆ O ₄ S M _r 174.18 [6953-60-2]		
01300	puriss. p.a.; For the introduction of the thiol groups into proteins: J. M. Klotz, R. G. Heiney, J. Am. Chem. Soc. 81, 3802 (1959)	10 g 15.—	50 g 63.—
	N-Acetyl-3-mercapto-D-valine see 01423 N-Acetyl-D-penicillamine		
	2-Acetylmesitylene see 92220 2,4,6-Trimethylacetophenone		
	N-Acetyl-L-methionine CH ₃ SCH ₂ CH ₂ CH(NHCOCH ₃)COOH C ₇ H ₁₃ NO ₃ S M _r 191.25 [65-82-7]		
01310	puriss. >99%(T); M.P. 103-106°; [α] _D ²⁰ -24.5±0.5°; [α] _D ²⁰ -22.0±0.5° (c = 1 in water); Ash <0.05%	5 g 20.—	25 g 85.—
	N-Acetyl-5-methoxytryptamine see 63610 Melatonin		
	N-Acetylmethylamine see 65430 N-Methylacetamide		
	Acetyl methyl carbinol see 00540 Acetoin		
	Acetylmethylene-triphenylphosphorane [1-(Triphenylphosphoranylidene)-2-propanone] CH ₃ COCH:P(C ₆ H ₅) ₃ C ₂₁ H ₁₉ OP M _r 318.36 [1439-36-7]		
01340	purum >99%; M.P. 205-207°	10 g 18.—	50 g 75.—
	3-Acetyl-6-methyl-2H-pyran-2,4-(3H)-dione see 30740 Dehydroacetic acid		
01348	2-Acetyl-N-methylpyrrole pract. >98%(GC); B.P. 200-202° CH ₃ NC(COCH ₃):CHCH:CH C ₇ H ₉ NO M _r 123.16 [932-16-1]	1 lt ≈ 1.05 kg	5 ml 21.—

			sFr.	sFr.
	1- and 2-Acetylnaphthalene see 67990 and 68000 1- and 2-Acetonaphthone			
	N-Acetylneuraminic acid (O-Sialic acid) HOCH ₂ (CHOH) ₂ CHCH(NHCOCH ₃)CH(OH)CH ₂ C(OH)(COOH)O C ₁₁ H ₁₉ NO ₈ M _r 309.28 [131-48-6]			
01400	puriss. ~99% (N); M.P. 187-189° dec.; [α] _D ²⁰ -35±2°; [α] _D ²⁰ -30±2° (c = 1 in water); store in refrigerator	25 mg 18. —	100 mg 65. —	1 g 520. —
	1-Acetyl-2-oxohexamethyleneimine see 00981 N-Acetylcaprolactam			
	N-Acetyl-D-penicillamine (N-Acetyl-3-mercapto-D-valine) (CH ₃) ₂ C(SH)CH(COOH)NHCOCH ₃ C ₇ H ₁₃ NO ₃ S M _r 191.25 [15537-71-0]			
01423	purum >99% (T); M.P. ~190° dec.		1 g 9. —	5 g 34. —
	N-Acetyl-p-phenylenediamine see 06590 4-Aminoacetanilide			
	2-Acetylphloroglucinol see 91930 2,4,6-Trihydroxyacetophenone			
01410	1-Acetylpiperazine purum >98% (GC); M.P. 32-34°; hygroscopic CH ₃ CONCH ₂ CH ₂ NHCH ₂ CH ₂ C ₆ H ₁₂ N ₂ O M _r 128.18 [13889-98-0]	25 g 20. —		100 g 70. —
	3-Acetyl-1-propanol see 56062 5-Hydroxy-2-pentanone			
	Acetylpropionyl see 76910 2,3-Pentanedione			
	2-Acetylpyridine (Methyl 2-pyridyl ketone) 6.1/21 N:CHCH:CHCH:CCOCH ₃ C ₇ H ₇ NO M _r 121.14 [1122-62-9]			
01430	purum >98% (GC); B.P. 117-119°; d ₄ ²⁰ 1.082; n _D ²⁰ 1.521; store in refrigerator	1 lt ≈ 1.08 kg	10 ml 13. —	50 ml 55. —
	3-Acetylpyridine (Methyl 3-pyridyl ketone) CH ₃ COCH:CHN:CHCH:CH C ₇ H ₇ NO M _r 121.14 [350-03-8]			
01440	purum >99% (GC); M.P. 11-13°; B.P. 220-223°; d ₄ ²⁰ 1.106; n _D ²⁰ 1.534; store in refrigerator	1 lt ≈ 1.11 kg	10 ml 11. —	50 ml 46. —
	4-Acetylpyridine (Methyl 4-pyridyl ketone) 6.1/21 CH:CHN:CHCH:CCOCH ₃ C ₇ H ₇ NO M _r 121.14 [1122-54-9]			
01450	purum >98% (GC); M.P. 14-17°; d ₄ ²⁰ 1.103; n _D ²⁰ 1.531; aspect: brown-yellowish; store in refrigerator	1 lt ≈ 1.10 kg	10 ml 11. —	50 ml 46. —
01455	2-Acetylpyrrole pract. ~97% (N); M.P. 86-88° CH ₃ COCH:CHCH:CHNH C ₆ H ₇ NO M _r 109.13 [1072-83-9]	5 g 32. —		25 g 135. —
	2- and 4-Acetylresorcinol see 37450 and 37470 2,4 and 2,6-Dihydroxyacetophenone			
	O-Acetylsalicylic acid (2-Acetoxybenzoic acid) CH ₃ COOC ₆ H ₄ COOH C ₉ H ₈ O ₄ M _r 180.15 [50-78-2]			
01459	purum >99% (T); M.P. 134-136°; Ash <0.1%	250 g 7. —		1 kg 20. —
01460	O-Acetylsalicylic anhydride purum >98% (C, H-Analysis); M.P. 81-82° (CH ₃ COOC ₆ H ₄ CO) ₂ O C ₁₈ H ₁₄ O ₇ M _r 342.31 [1466-82-6]	5 g 50. —		
	O-Acetylsalicyloyl chloride 8/21 CH ₃ COOC ₆ H ₄ COCl C ₉ H ₇ ClO ₃ M _r 198.61 [5538-51-2]			
01461	purum >98% (GC); M.P. 46-49°; B.P. 95°; Reagent for Conversion of Diols into Chloroallyl acetates: A. A. Akrehm, V. V. Zharkov, G. V. Zaitseva, I. A. Mikhailopulo, THL 1475 (1973)	10 g 18. —		50 g 75. —
	N-Acetylsulfanilyl chloride (4-Acetamidobenzenesulfonyl chloride) CH ₃ CONHC ₆ H ₄ SO ₂ Cl C ₈ H ₉ ClNO ₃ S M _r 233.68 [121-60-8]			
00240	pract. ~97% (Cl); M.P. 142-145° dec.	250 g 14. —		1 kg 50. —
	Acetylthiocholine iodide 6.1/81g (CH ₃) ₃ N(I)CH ₂ CH ₂ SCOCH ₃ C ₇ H ₁₆ INOS M _r 289.18 [1866-15-5]			
01480	puriss. >99% (I); M.P. 205-210°; Ash <0.05%; store in refrigerator	1 g 7. —	5 g 17. —	25 g 70. —
	2-Acetylthiophene (Methyl 2-thienyl ketone) 6.1/81a SCH:CHCH:CCOCH ₃ C ₆ H ₆ OS M _r 126.18 [88-15-3]			
01490	purum >98% (GC); B.P. 89-91°; d ₄ ²⁰ 1.168; n _D ²⁰ 1.564	1 lt ≈ 1.17 kg	25 ml 9. —	100 ml 30. —
01492	3-Acetylthiophene purum >99% (GC); M.P. 58-60° CHSCH:CHCCOCH ₃ C ₆ H ₆ OS M _r 126.18 [1468-83-3]	5 g 13. —		25 g 55. —

			sFr.	sFr.
	Acetylthiourea			
	$\text{CH}_3\text{CONHCSNH}_2$ $\text{C}_3\text{H}_6\text{N}_2\text{OS}$ M_r 118.16 [591-08-2]			
01485	purum; Reagent for the synthesis of mercaptans: L. Fieser, M. Fieser, Reagents for Organic synthesis, 4, 7: John Wiley and Sons Inc.		25 g 13. —	100 g 45. —
	1-O-Acetyl 2,3,5-tri-O-benzoyl-β-D-ribofuranose			
	$\text{C}_{28}\text{H}_{24}\text{O}_9$ M_r 504.50 [6974-32-9]			
01510	purum M.P. 128-130°; $[\alpha]_{540}^{20} + 54 \pm 1^\circ$; $[\alpha]_D^{20} + 44 \pm 1^\circ$ (c = 0.5 in Chlf.)		5 g 16. —	25 g 67. —
	N-Acetyl-DL-tryptophan			
	$\text{C}_6\text{H}_5\text{NHCH}(\text{CH}_2\text{CH}(\text{NHCOCH}_3)\text{COOH})$ $\text{C}_{13}\text{H}_{14}\text{N}_2\text{O}_3$ M_r 246.27 [87-32-1]			
01520	puriss. CHR >99%(T); M.P. 205-207°; Ash <0.1%; no Tryptophan detectable		25 g 16. —	100 g 55. —
	N-Acetyl-L-tyrosine ethyl ester Monohydrate			
	$\text{HOC}_6\text{H}_4\text{CH}_2\text{CH}(\text{NHCOCH}_3)\text{COOC}_2\text{H}_5 \cdot \text{H}_2\text{O}$ $\text{C}_{13}\text{H}_{17}\text{NO}_4 \cdot \text{H}_2\text{O}$ M_r 269.30			
	[840-97-1]			
01530	puriss. p.a. >99%(C,H,N-Analysis); M.P. 80-81°; $[\alpha]_{540}^{20} + 23 \pm 2^\circ$ (c = 1 in Ethanol); Substrate for Chymotrypsin		1 g 7. —	5 g 20. —
	Acid Black 1 see 70490 Naphthol Blue Black			
	Acid Fuchsine [C.I. Nr. 42685; Sch. Nr. 800] (Fuchsine S; Fuchsine acid, Rubine S)			
	$3\text{-O}_3\text{S-4-NH}_2\text{C}_6\text{H}_3\text{C}(\text{C}_6\text{H}_2\text{-3-SO}_3\text{Na-4-NH}_2\text{-5-CH}_3\text{):C}_6\text{H}_3\text{-3-SO}_3\text{Na-4-NH}_2$			
	$\text{C}_{20}\text{H}_{17}\text{N}_3\text{Na}_2\text{O}_9\text{S}_3$ M_r 585.54 [3244-88-0]			
84600	Standard Fluka Indicator pH 12.0-14.0 for Microscopy (Bot. Hist.)		25 g 8. —	100 g 25. —
	Acid Orange A see 75370 Orange II			
	Acid Phosphatase from Wheat Germ see 79410 Phosphatase acid			
	cis-Aconitic acid (cis-Propene-1,2,3-tricarboxylic acid)			
	$\text{HOOCCH}(\text{COOH})\text{CH}_2\text{COOH}$ $\text{C}_6\text{H}_6\text{O}_6$ M_r 174.11 [585-84-2]			
01590	puriss. >99%(T); M.P. 126-129° dec.; Ash <0.05%; store in refrigerator		1 g 32. —	5 g 135. —
	trans-Aconitic acid (trans-Propene-1,2,3-tricarboxylic acid)			
	$\text{HOOCCH}(\text{COOH})\text{CH}_2\text{COOH}$ $\text{C}_6\text{H}_6\text{O}_6$ M_r 174.11 [4023-65-8]			
01600	puriss. >99%(T); M.P. ~190° dec.; store in refrigerator		10 g 11. —	50 g 46. —
	cis-Aconitic anhydride (cis-Propene-1,2,3-tricarboxylic anhydride)			
	$\text{HOOCCH}_2\text{C}(\text{CHCOO})_2\text{CO}$ $\text{C}_6\text{H}_4\text{O}_5$ M_r 156.10 [31511-11-2]			
01621	purum >97%(NT); M.P. ~75°; store in refrigerator		1 g 45. —	5 g 190. —
	Aconitine (Acetylbenzoylaconine)			
	6.1/81e $\text{C}_{34}\text{H}_{47}\text{NO}_{11}$ M_r 645.76 [302-27-2]			
01570	purum cryst. >99%(NT); M.P. 200-205°; $[\alpha]_{540}^{20} + 20 \pm 1^\circ$; $[\alpha]_D^{20} + 17 \pm 1^\circ$ (c = 1 in Chlf.); Ash >0.05%		100 mg 32. —	1 g 255. —
	Aconitine nitrate			
	6.1/81e $\text{C}_{34}\text{H}_{47}\text{NO}_{11} \cdot \text{HNO}_3$ M_r 708.77 [6509-18-8]			
01580	purum >98%(C,H,N-Analysis); M.P. ~190-200°; $[\alpha]_{540}^{20} - 30 \pm 1^\circ$; $[\alpha]_D^{20} - 26 \pm 1^\circ$ (c = 2 in water)		250 mg 24. —	1 g 90. —
	9-Acridanone see 01670 Acridone			
01640	Acridine purum ~98%(HPLC); M.P. 107-109°; 1 g clearly soluble in 10 ml Dioxane		10 g 35. —	50 g 145. —
	$\text{C}_6\text{H}_4\text{CH}(\text{C}_6\text{H}_4\text{:N})$ $\text{C}_{13}\text{H}_9\text{N}$ M_r 179.22 [260-94-6]			
01645	Acridine hydrochloride purum ~95%(Cl); M.P. 250-255° dec.; H_2O ~5%		10 g 35. —	50 g 145. —
	$\text{C}_6\text{H}_4\text{CH}(\text{C}_6\text{H}_4\text{:N}) \cdot \text{HCl}$ $\text{C}_{13}\text{H}_9\text{N} \cdot \text{HCl}$ M_r 215.68 [17784-47-3]			
	Acridine Mutagen ICR 170 {6-Chloro-9-[3-[N-(2-chloroethyl)-ethylamino]-propylamino]-2-methoxyacridine hydrochloride}			
	6.1/81g $\text{C}_{21}\text{H}_{28}\text{Cl}_2\text{N}_3\text{O} \cdot 2\text{HCl}$ M_r 479.28 [146-59-8]			
01650	puriss. store in refrigerator; Used in an improved bacterial test system for the detection and classification of mutagens and carcinogens: B. N. Ames et al., Proc. Nat. Acad. Sci. USA 70, 782 (1973)		100 mg 90. —	
	Acridine Mutagen ICR 191 {6-Chloro-9-[3-(2-chloroethylamino)-propylamino]-2-methoxyacridine dihydrochloride}			
	6.1/81g $\text{C}_{19}\text{H}_{21}\text{Cl}_2\text{N}_3\text{O} \cdot 2\text{HCl}$ M_r 451.23 [17070-45-0]			
01652	puriss. store in refrigerator; Used in an improved bacterial test system for the detection and classification of mutagens and carcinogens: B. N. Ames et al., Proc. Nat. Acad. Sci. USA 70, 782 (1973)		100 mg 80. —	

					sFr.	sFr.
01660	Acridine Orange [C.I. Nr. 46005; Sch Nr. 902] [3,6-Bis(dimethylamino)acridine hydrochloride] 6.1/81g $3-(CH_3)_2NC_6H_3NH(Cl):C_6H_3-6-N(CH_3)_2:CH$ $C_{17}H_{20}ClN_3$ M_r 301.82 [65-61-2] Standard Fluka for Microscopy (F., Hist.)				25 g 21. —	100 g 75. —
	Acridinol see 54190 1-Hydroxyacridine					
01670	Acridone purum (9-Acridanone; 9,10-Dihydro-9-oxoacridine) 6.1/81g $C_9H_6COC_6H_4NH$ $C_{13}H_8NO$ M_r 195.22 [578-95-0]				5 g 13. —	25 g 55. —
	Acriflavin see 33110 und 81685 3,6-Diamino-10-methylacridinium chloride and Proflavine monohydrochloride					
01679	Acrolein (2-Propenal) 3/1a; -20° $CH_2:CHCHO$ C_3H_4O M_r 56.06 [107-02-8] for Electron Microscopy; >99%(T); B.P. 51-52°; stab. with 0.05% Hydroquinone; under Nitrogen 1 lt $\approx$ 1.084 kg in Ampoules				25 ml 10. —	100 ml 20. —
01680	pract. B.P. 51-53°; d_4^{20} 0.84; stab. with 0.2% Hydroquinone; turbid liquid 1 lt $\approx$ 0.84 kg				250 ml 8. —	1 lt 22. —
01690	Acrolein diethyl acetal (3,3-Diethoxy-1-propene) 3/1a; 15° $CH_2:CHCH(OCH_2CH_3)_2$ $C_7H_{14}O_2$ M_r 130.19 [3054-95-3] pract. $\sim$ 95%(GC); B.P. 120-125°; d_4^{20} 0.85; n_D^{20} 1.398; stab. with 1% CaO 1 lt $\approx$ 0.85 kg				25 ml 21. —	100 ml 75. —
01698	Acrylamide (Acrylic acid amide) 6.1/21 $CH_2:CHCONH_2$ C_3H_5NO M_r 71.08 [79-06-1] puriss. 4 $\times$ cryst.; suitable for Gelelectrophoresis; a 5% aqueous solution has a pH >6 and E 1 cm at 290 nm <0.5; free acrylic acid <0.01%; under Nitrogen; store in refrigerator 25 g 20. —				100 g 70. —	500 g 295. —
01699	puriss. 2 $\times$ cryst.; a 5% aqueous solution has a pH of 4.4 and E 1 cm at 290 nm <0.5; free acrylic acid <0.1% 250 g 13. —				1 kg 45. —	
01700	purum $\sim$ 99%(GC); M.P. 82-85° 250 g 7. —				1 kg 16. —	
01730	Acrylic acid 8/21; 46° $CH_2:CHCOOH$ $C_3H_4O_2$ M_r 72.06 [79-10-7] purum anhydrous; >99%(GC); M.P. 12-15°; d_4^{20} 1.05; n_D^{20} 1.421; H_2O <0.2%; stab. with 0.05% Hydroquinone monomethyl ether 1 lt $\approx$ 1.05 kg				1 lt 20. —	2.5 lt 46. —
	Acrylic acid amide see 01698 Acrylamide					
	Acrylic acid 2,3-epoxypropyl ester see 01790 Glycidyl acrylate					
01710	Acrylonitrile (Vinyl cyanide) 6.1/2a; -1° $CH_2:CHCN$ C_3H_3N M_r 53.06 [107-13-1] puriss. p.a. >99.5%(GC); B.P. 77-78°; d_4^{20} 0.806; n_D^{20} 1.391; avoid skin contact and inhalation 1 lt $\approx$ 0.81 kg				250 ml 10. —	1 lt 32. —
01720	purum >99%(GC); B.P. 75-78°; d_4^{20} 0.80; n_D^{20} 1.392; avoid skin contact and inhalation; stab. with 40 ppm EMHQ 1 lt $\approx$ 0.80 kg				1 lt 15. —	
01780	Acryloyl chloride 8/22 $CH_2:CHCOCl$ C_3H_3ClO M_r 90.51 [814-68-6] techn. $\sim$ 97%(Cl); B.P. 74-76°; stab. with 0.05% Phenothiazine; store in refrigerator 1 lt $\approx$ 1.12 kg				100 ml 25. —	500 ml 105. —
01810	Actidione (Cycloheximide) 6.1/81g $C_{15}H_{23}NO_4$ M_r 281.36 [66-81-9] purum >98%(C,H,N-Analysis); M.P. 109-112°; $[\alpha]_{546}^{20} + 8.5 \pm 0.5^\circ$; $[\alpha]_D^{20} + 7.5 \pm 0.5^\circ$ (c = 2 in water) 1 g 14. —				5 g 60. —	
01815	Actinomycin D [50-76-0]				10 mg 30. —	
05110	Activated (charcoal) C A_r 12.01 puriss. p.a. granulated 4-8 mm 1 kg 20. —				5 kg 85. —	
	Fluka-Guarantee:					
	Residue on ignition <3.0 % Sulfate (SO ₄) <0.01 %					
	Loss on drying (120°C) <8.0 % Copper (Cu) <0.005%					
	Solubles in water <0.2 % Lead (Pb) <0.005%					
	Solubles in Ethanol <0.2 % Iron (Fe) <0.005%					
	Solubles in Hydrochloric acid <1.0 % Zinc (Zn) <0.001%					
	Chloride (Cl) <0.05% Calcium (Ca) <0.01 %					
05100	4.1/10 puriss. p.a. powder Darco G60; Ash <2%; Fe <0.3%; mesh size 30% >50 μ ; 5% >150 μ ; acid washed; from spruce wood 100 g 7. —				500 g 18. —	2.5 kg 75. —
05120	purum powder; Ash <4%; Fe 0.3% 1 kg 16. —				5 kg 67. —	



		sFr.	sFr.
01821	Acylase I ex hog kidney (EC 3.5.1.14) [9012-37-7] Lyophilized, salt free, 900 U/mg; Ash ~2%; 1 unit amount of enzyme which hydrolyzes 1 μ mol. Acetyl-DL-methionine per hour at 25°C and pH 7.0; store in refrigerator	250 mg 14.—	1 g 50.—
01822	Adamantane purum M.P. 266-268° (in evacuated tube); H ₂ O <1% C ₁₀ H ₁₆ M _r 136.24 [281-23-2]	25 g 10.—	100 g 35.—
01826	1-Adamantaneacetic acid purum >98%(T); M.P. 130-133° (1-Adamantylacetic acid) C ₁₂ H ₁₆ O ₂ M _r 180.25 [4942-47-6]	1 g 10.—	5 g 40.—
01823	1-Adamantanecarboxylic acid purum >99%(T); M.P. 172-174°; Ash <0.1% C ₁₁ H ₁₆ O ₂ M _r 180.25 [828-51-3]	10 g 16.—	50 g 67.—
	1-Adamantanamine hydrochloride see 06551 1-Aminoadamantane hydrochloride		
54191	1-Adamantanol purum >99%(GC); M.P. ~280° dec. (1-Hydroxyadamantane) C ₁₀ H ₁₆ O M _r 152.39 [768-95-6]	10 g 20.—	50 g 85.—
	2-Adamantanone C ₁₀ H ₁₄ O M _r 150.22 [700-58-3]		
01825	purum >98%(C,H-Analysis); M.P. ~260°; 1 g clearly soluble in 10 ml Methanol	5 g 13.—	25 g 55.—
	1-Adamantylacetic acid see 01826 1-Adamantaneacetic acid		
	1-Adamantyl bromide see 16130 1-Bromoadamantane		
	Adamantyl fluoroformate C ₁₁ H ₁₅ FO ₂ M _r 198.24		
46465	purum M.P. 30-32°; New reagent for the introduction of the ADOC-amino protecting group. The reagent is ideally reactive for the acylation of the imidazole function of histidine and histidyl-peptides: L. Moroder et al., Hoppe Seyler's Z. Physiol. Chem. 357, 1647 (1976)	5 g 24.—	25 g 100.—
	Adenine (6-Aminopurine; Vitamin B ₄) C ₅ H ₅ N ₅ M _r 135.13 [73-24-5]		
01830	puriss. CHR >99.5%(NT); M.P. >300°; Ash <0.05%; store in refrigerator	5 g 8.—	10 g 14.— 50 g 60.—
01832	Adenine-9-β-D-arabinofuranoside purum C ₁₀ H ₁₃ N ₅ O ₄ M _r 267.25 [5536-17-4]	100 mg 16.—	500 mg 67.—
	Adeninedeoxyriboside see 30920 2-Deoxyadenosine		
	Adenine monohydrochloride C ₅ H ₅ N ₅ ·HCl M _r 171.59 [2922-28-3]		
01840	puriss. >99%(Cl); M.P. ~290° dec.; Loss on drying <0.6%; store in refrigerator	5 g 15.—	25 g 63.—
	Adeninenucleoside see 01890 Adenosine		
	Adenine-9-β-D-ribofuranoside see 01890 Adenosine		
	Adenine sulfate Dihydrate (C ₅ H ₅ N ₅) ₂ ·H ₂ SO ₄ ·2H ₂ O M _r 404.37 [6509-19-9]		
01880	purum CHR synth. >98%(UV); M.P. ~185° dec.; store in refrigerator	10 g 25.—	50 g 105.—
	Adenosine (Adeninenucleoside, Adenine-9- β -D-ribofuranoside) C ₁₀ H ₁₃ N ₅ O ₄ M _r 267.25 [58-61-7]		
01890	puriss. CHR M.P. 235-238°; $[\alpha]_{546}^{20} -85 \pm 2^\circ$; $[\alpha]_D^{20} -71 \pm 2^\circ$ (c = 2 in 5% NaOH); store in refrigerator Fluka-Garantie: Assay (Perchloric acid titration calculated on dry material) >99.0 % Residue on ignition (as SO ₄) <0.1 % Chloride (Cl) <0.001 % Sulfate (SO ₄) <0.001 %	5 g 9.—	25 g 35.—
	Copper (Cu) <0.0005 % Lead (Pb) <0.0005 % Iron (Fe) <0.0005 % Zinc (Zn) <0.0005 % Calcium (Ca) <0.005 %		
	Adenosine-3',5'-cyclophosphoric acid (c-AMP) C ₁₀ H ₁₂ N ₅ O ₈ P·H ₂ O M _r 347.23 [60-92-4]		
01895	purum >98%(UV); M.P. >300°; $[\alpha]_{546}^{20} -62 \pm 2^\circ$; $[\alpha]_D^{20} -52 \pm 2^\circ$ (c = 0.7 in water); H ₂ O <2%; store in refrigerator	100 mg 12.—	500 mg 34.— 1 g 55.—



			sFr.	sFr.
01897	Adenosine-5'-diphosphate Disodium salt (5'-ADP-Na₂) C ₁₀ H ₁₃ N ₅ Na ₂ O ₁₀ P ₂ M _r 471.17 [16178-48-6] purum ~90%(UV); [α] ₅₄₀ ²⁰ -35±1°; [α] _D ²⁰ -30±1° (c = 0.5 in 0.5m Na ₂ HPO ₄); store in refrigerator		250 mg 14.—	1 g 50.—
01900	Adenosine-5'-diphosphate Trisodium salt (5'-ADP-Na₃) C ₁₀ H ₁₂ N ₅ Na ₃ O ₁₀ P ₂ M _r 493.16 [2092-65-1] purum ~95%(UV); [α] ₅₄₀ ²⁰ -33±2°; [α] _D ²⁰ -28±2° (c = 1 in 0.5m Na ₂ HPO ₄); containing 3-8% water; store in refrigerator		250 mg 12.—	1 g 40.—
01930	Adenosine-5'-monophosphate Disodium salt (5'-AMP-Na₂) C ₁₀ H ₁₂ N ₅ Na ₂ O ₇ P M _r 391.19 [4578-31-8] puriss. CHR ~99%(NT); [α] ₅₄₀ ²⁰ -50±2°; [α] _D ²⁰ -43±2° (c = 1 in 0.5m Na ₂ HPO ₄); store in refrigerator		5 g 18.—	25 g 75.—
01950	Adenosine-3'-monophosphoric acid (3'-AMP; 3'-Adenylic acid) C ₁₀ H ₁₄ N ₅ O ₇ P.H ₂ O M _r 365.24 [84-21-9] puriss. ~99%(NT); M.P. 210-220° dec.; [α] ₅₄₀ ²⁰ -54±2°; [α] _D ²⁰ -44±2° (c = 0.5 in 0.5m Na ₂ HPO ₄); store in refrigerator		250 mg 17.—	1 g 60.—
01960	Adenosine-3'(+2')-monophosphoric acid [3'(+2')-AMP; Adenylic acid, yeast] C ₁₀ H ₁₄ N ₅ O ₇ P.H ₂ O M _r 365.24 [84-21-9] puriss. CHR >99%; M.P. 200-202° dec.; [α] ₅₄₀ ²⁰ -64.7±2° (c = 0.5 in 0.5m Na ₂ HPO ₄); store in refrigerator		1 g 22.—	5 g 90.—
01970	Adenosine-5'-monophosphoric acid (5'-AMP; Adenylic acid, muscle) C ₁₀ H ₁₄ N ₅ O ₇ P M _r 347.22 [61-19-8] purum ~97%(NT); M.P. 188-194° dec.; [α] ₅₄₀ ²⁰ -57±2°; [α] _D ²⁰ -47±2° (c = 2 in 2% NaOH); store in refrigerator		5 g 11.—	25 g 40.—
02060	Adenosine-5'-triphosphate Disodium salt (5'-ATP-Na₂) C ₁₀ H ₁₄ N ₅ Na ₂ O ₁₃ P ₃ .aq M _r 551.15 + aq [987-65-5] purum ~95%(T); [α] ₅₄₀ ²⁰ -23.0±1°; [α] _D ²⁰ -19.0±1° (c = 3 in water); H ₂ O <5%; store in refrigerator	1 g 7.—	5 g 12.—	25 g 50.—
02080	Adenosine-5'-triphosphoric acid (5'-ATP) C ₁₀ H ₁₆ N ₅ O ₁₃ P ₃ M _r 507.19 [56-65-5] purum ~95%(T); [α] ₅₄₀ ²⁰ -35.5±2° (c = 1 in 0.5m Na ₂ HPO ₄); H ₂ O 2-3%; store in refrigerator		1 g 22.—	5 g 90.—
	2'-Adenylic acid see 01940 Adenosine-2'-monophosphoric acid			
	3'-Adenylic acid see 01950 Adenosine-3'-monophosphoric acid			
	Adenylic acid see 01970 Adenosine-5'-monophosphoric acid			
	Adenylic acid, yeast see 01960 Adenosine-3'(+2')-monophosphoric acid			
	Adermine hydrochloride see 95180 Vitamin B ₆			
02130	Adipic acid purum >99%; M.P. 151-153°; Ash <0.05% (Dicarboxylic acid C ₆) HOOC(CH ₂) ₄ COOH C ₆ H ₁₀ O ₄ M _r 146.14 [124-04-9]		1 kg 11.—	5 kg 46.—
02191	Adipic acid dihydrazide purum >97%(NT); M.P. 180-182° NH ₂ NHCO(CH ₂) ₄ CONHNH ₂ C ₆ H ₁₄ N ₄ O ₂ M _r 174.20 [1071-93-8]		100 g 25.—	500 g 105.—
02210	Adiponitrile 6.1/2b NC(CH ₂) ₄ CN C ₆ H ₈ N ₂ M _r 108.14 [111-69-3] purum >98%(GC); M.P. 4-5°; B.P. ₁₁ 161-162°; d ₄ ²⁰ 0.962; n _D ²⁰ 1.438	1 lt ≈ 0.96 kg	100 ml 7.—	500 ml 24.—
02190	Adipoyl chloride 8/22 ClCO(CH ₂) ₄ COCl C ₆ H ₈ Cl ₂ O ₂ M _r 183.04 [111-50-5] purum >99%(Cl); B.P. ₀ 88-90°; d ₄ ²⁰ 1.255; n _D ²⁰ 1.472	1 lt ≈ 1.26 kg	25 ml 12.—	100 ml 40.—
02240	Adonitol puriss. >99%(C,H-Analysis); M.P. 102-104° (Ribitol) HOCH ₂ (CHOH) ₃ CH ₂ OH C ₆ H ₁₂ O ₆ M _r 152.15 [488-81-3]		1 g 7.—	5 g 16.—
	ADP see 01897 Adenosine 5'-diphosphate Disodium salt			
02250	L-Adrenaline (L-Epinephrine) 6.1/81e (HO) ₂ C ₆ H ₃ CH(OH)CH ₂ NHCH ₃ C ₉ H ₁₃ NO ₃ M _r 183.21 [51-43-4] puriss. Ph. Helv. >99%(NT); M.P. 216-219° dec.; [α] ₅₄₀ ²⁰ -61±3° (c = 5 in 0.5n HCl)	5 g 10.—	25 g 40.—	100 g 130.—

sFr.

sFr.

L-Adrenaline D-hydrogentartrate [L-3,4-Dihydroxy- α -(methylaminomethyl)-benzylalcohol

6.1/81e D-hydrogentartrate; L-Epinephrine D-hydrogentartrate]

(HO)₂C₆H₃CH(OH)CH₂NHCH₃·C₄H₆O₆ C₉H₁₃NO₃·C₄H₆O₆ M_r 333.30

[51-42-3]

02260

purum >99%(NT); M.P. ~155° dec.; [α]_D²⁰ -21±1°; [α]_D²⁰ -17±1°
(c = 1 in water)

10 g 22.—

50 g 90.—

Adrenalone hydrochloride (3',4'-Dihydroxy-2-methylaminoacetophenone hydrochloride)(HO)₂C₆H₃COCH₂NHCH₃·HCl C₉H₁₁NO₃·HCl M_r 217.65 [62-13-5]

02270

purum >98%(Cl); M.P. 244-249° dec.

10 g 13.—

50 g 55.—

Adrenosterone (4-Androsten-3,11,17-trione)C₁₉H₂₄O₃ M_r 300.40 [382-45-6]

02280

purum >98%(HPLC); M.P. 219-221°; [α]_D²⁰ +348±3° (c = 0.18 in C₂H₅OH)

1 g 18.—

5 g 75.—

Adsorbents see green section**Aescin** see 02320 Escin**Affinity Labels see "Protein Modification" green section**05032 **Aflatoxin B₁** Severe poison; Human carcinogen; store in refrigerator6.1/81g C₁₇H₁₂O₆ M_r 312.28 [1162-65-8]

Ampoule of 10 mg 105.—

05033 **Aflatoxin B₂** Severe poison; Human carcinogen; store in refrigerator6.1/81g C₁₇H₁₄O₆ M_r 314.30 [7220-81-7]

Ampoule of 10 mg 105.—

05035 **Aflatoxin G₁** Severe poison; Human carcinogen; store in refrigerator6.1/81g C₁₇H₁₂O₇ M_r 328.28 [1165-39-5]

Ampoule of 10 mg 105.—

05036 **Aflatoxin G₂** Severe poison; Human carcinogen; store in refrigerator6.1/81g C₁₇H₁₄O₇ M_r 330.30 [7241-98-7]

Ampoule of 10 mg 105.—

Agar-Agar(C₁₂H₁₈O₉)_x M_r 3000-9000

05039

puriss. for Bacteriology; Ash <2%; 1 g clearly soluble in 200 ml hot water

100 g 18.—

500 g 75.—

05040

purum powder; Ash <5%

250 g 29.—

1 kg 105.—

05050

purum in Fiber Kobe Nr. 1; Ash 2-3%

250 g 29.—

1 kg 105.—

05068

Agarose for quantitative Immunelectrophoresis; Sulfate <0.05%

5 g 13.—

25 g 46.—

05070

Agarose from Agar

10 g 18.—

50 g 75.—

250 g 320.—

Fluka-Guarantee:

Water (H₂O)

9 %

Solidification (2%-Solution)

42°C

Gel-strength (1.5% Nikan)

950 g/cm²

pH (1.5%-Solution)

~6

Sulfure

<0.2 %

Electroendosmosis

-0.14

Pyruvic acid

<0.05%

Viscosity (1.5%-Solution)

4.2 mPa.s

Ash

<1.0 %

**Agglutinin soyabean** see 61763 Lectine from Glycinemax**Agglutinin wheat germ** see 61767 Lectine from Triticum Vulgare**Ajmalicine** (δ -Yohimbine; Py-Tetrahydroserpentine; Raubasine)6.1/81e C₂₁H₂₄N₂O₃ M_r 352.44 [483-04-5]

05080

purum ~98%(N); M.P. ~258° dec.; [α]_D²⁰ -77±2°; [α]_D²⁰ -64±2°
(c = 0.5 in Chlf.); Ash <0.05%

250 mg 21.—

1 g 75.—

Ajmaline ethanol adduct (Rauwolfine ethanol adduct)6.1/81e C₂₀H₂₆N₂O₂·C₂H₅OH M_r 372.51 [60991-48-2]

05090

purum ~98%(N); M.P. ~240° dec.

1 g 15.—

5 g 63.—

L-Alanine (2-Aminopropionic acid)CH₃CH(NH₂)COOH C₃H₇NO₂ M_r 89.10 [56-41-7]

05130

puriss. p.a. [α]_D²⁰ +17.5±0.5°; [α]_D²⁰ +14.0±0.5° (c = 5 in 5n HCl)

25 g 11.—

100 g 38.—

1 kg 300.—

Fluka-Guarantee:

Assay

>99.0%

Ammonium (NH₄)

<0.01 %

Other amino acids

<0.3 %

Copper (Cu)

<0.0001%

Loss on drying

<0.1 %

Lead (Pb)

<0.0001%

Residue on ignition (as SO₄)

<0.1 %

Iron (Fe)

<0.0005%

Chloride (Cl)

<0.01%

Zinc (Zn)

<0.0001%

Sulfate (SO₄)

<0.01%

Cadmium (Cd)

<0.0001%



			sFr.	sFr.
D-Alanine				
05140	CH ₃ CH(NH ₂)COOH C ₃ H ₇ NO ₂ M _r 89.10 [338-69-2] puriss. CHR >99%(NT); [α] _D ²⁰ -17.5±1°; [α] _D ²⁰ -14.0±1° (c = 5 in 5n HCl); Ash <0.05%	1 g 7.—	5 g 20.—	25 g 85.—
DL-Alanine				
05150	CH ₃ CH(NH ₂)COOH C ₃ H ₇ NO ₂ M _r 89.10 [302-72-7] puriss. CHR >99%(NT); M.P. 295-300° dec.; Ash <0.05%; Loss on drying <0.2%	100 g 10.—	500 g 40.—	1 kg 75.—
β-Alanine (3-Aminopropionic acid)				
05160	NH ₂ CH ₂ CH ₂ COOH C ₃ H ₇ NO ₂ M _r 89.10 [107-95-9] puriss. CHR >99%(NT); M.P. ~200° dec.; Ash <0.05%		250 g 16.—	1 kg 55.—
L-Alanine benzyl ester toluene-4-sulfonate				
05183	CH ₃ CH(NH ₂)COOCH ₂ C ₆ H ₅ .HOSO ₂ C ₆ H ₄ CH ₃ C ₁₀ H ₁₃ NO ₂ .C ₇ H ₆ O ₃ S M _r 351.43 [42854-62-6] puriss. ~99%(N); M.P. 114-116°; [α] _D ²⁰ -6.2±0.3° (c = 4 in Methanol)		5 g 26.—	
05185	L-Alanine tert-butyl ester dibenzenesulfimide salt puriss. CH ₃ CH(NH ₂)COOC(CH ₃) ₃ .C ₁₂ H ₁₁ NO ₄ S ₂ C ₇ H ₁₅ NO ₂ .C ₁₂ H ₁₁ NO ₄ S ₂ M _r 442.56 [55750-67-9]		5 g 26.—	
L-Alanine tert-butyl ester hydrochloride				
05190	CH ₃ CH(NH ₂)COOC(CH ₃) ₃ .HCl C ₇ H ₁₅ NO ₂ .HCl M _r 181.66 [13404-22-3] puriss. >99%(Cl); M.P. 170-175° dec.; [α] _D ²⁰ +1.9±0.2°; [α] _D ²⁰ +1.4±0.2° (c = 2 in Ethanol)		1 g 20.—	5 g 85.—
L-Alanine ethyl ester hydrochloride				
05170	CH ₃ CH(NH ₂)COOC ₂ H ₅ .HCl C ₅ H ₁₁ NO ₂ .HCl M _r 153.61 [1115-59-9] puriss. ~99%(Cl); M.P. 75-77°; [α] _D ²⁰ +3.8±0.3° (c = 2.5 in water); H ₂ O ~1%		5 g 18.—	25 g 75.—
05180	DL-Alanine ethyl ester hydrochloride puriss. >99%(Cl); M.P. 85-87° CH ₃ CH(NH ₂)COOC ₂ H ₅ .HCl C ₅ H ₁₁ NO ₂ .HCl M _r 153.61 [617-27-9]		5 g 16.—	25 g 67.—
05182	β-Alanine ethyl ester hydrochloride purum >98%(Cl); M.P. 70-72° NH ₂ CH ₂ CH ₂ COOCH ₂ CH ₃ .HCl C ₅ H ₁₁ NO ₂ .HCl M _r 153.61 [4244-84-2]		10 g 14.—	50 g 60.—
L-Alanine methyl ester hydrochloride				
05200	CH ₃ CH(NH ₂)COOCH ₃ .HCl C ₄ H ₉ NO ₂ .HCl M _r 139.58 [2491-20-5] puriss. >99%(Cl); M.P. 107-110°; [α] _D ²⁰ +9.0±0.5°; [α] _D ²⁰ +7.5±0.5° (c = 10 in Methanol); <1% H ₂ O		5 g 20.—	
L-Alaninol [S(+) -2-Amino-1-propanol]				
05230	CH ₃ CH(NH ₂)CH ₂ OH C ₃ H ₉ NO M _r 75.11 [2749-11-3] puriss. ~99%(GC); B.P. 166-168°; d ₄ ²⁰ 0.964; n _D ²⁰ 1.450; [α] _D ²⁰ +23±2° (c = 2 in Ethanol)	1 lt ≈ 0.96 kg	1 ml 15.—	5 ml 63.—
DL-Alaninol [(±)-2-Amino-1-propanol]				
05240	CH ₃ CH(NH ₂)CH ₂ OH C ₃ H ₉ NO M _r 75.11 [6168-72-5] purum >97%(GC); B.P. 168-170°; d ₄ ²⁰ 0.964; n _D ²⁰ 1.450	1 lt ≈ 0.96 kg	5 ml 34.—	
L-Alanyl-L-alanine				
05250	CH ₃ CH(NH ₂)CONHCH(CH ₃)COOH C ₆ H ₁₂ N ₂ O ₃ M _r 160.17 [1948-31-8] puriss. CHR >99%(NT); M.P. 280-285°; [α] _D ²⁰ -25±1°; [α] _D ²⁰ -20±1° (c = 2 in water); 1 g clearly soluble in H ₂ O		250 mg 10.—	1 g 35.—
L-Alanyl-glycine				
05270	CH ₃ CH(NH ₂)CONHCH ₂ COOH C ₅ H ₁₀ N ₂ O ₃ M _r 146.15 [1948-31-8] puriss. CHR >99%(T); M.P. 250-255° dec.; [α] _D ²⁰ +60±2°; [α] _D ²⁰ +51±1° (c = 2 in water)		1 g 20.—	5 g 85.—
05300	L-Alanyl-L-histidine puriss. CHR [α] _D ²⁰ +41±1°; [α] _D ²⁰ +34±1° (c = 1 in water) CH ₃ CH(NH ₂)CONHCH(COOH)CH ₂ C:CHN:CHNH ₂ .H ₂ O C ₉ H ₁₄ N ₄ O ₃ .H ₂ O M _r 244.25 [3253-17-6]		250 mg 35.—	1 g 130.—
β-Alanyl-L-histidine see 22030 L-Carnosine				
L-Alanyl-L-leucine				
05320	CH ₃ CH(NH ₂)CONHCH(COOH)CH ₂ CH(CH ₃) ₂ .0.5H ₂ O C ₉ H ₁₆ N ₂ O ₃ .0.5H ₂ O M _r 211.26 [3303-34-2] puriss. CHR >99%(NT); M.P. 250-255°; [α] _D ²⁰ -20±2°; [α] _D ²⁰ -17±2° (c = 1 in water)		250 mg 14.—	1 g 50.—

		sFr.	sFr.
L-Alanyl-L-methionine			
05330	$\text{CH}_3\text{CH}(\text{NH}_2)\text{CONHCH}(\text{COOH})\text{CH}_2\text{CH}_2\text{SCH}_3$ $\text{C}_8\text{H}_{16}\text{N}_2\text{O}_3\text{S}$ M_r 220.29 [14486-05-6] puriss. CHR >99% (NT); M.P. 220-221°; $[\alpha]_{546}^{20} + 40 \pm 0.5^\circ$ (c = 2 in water)	250 mg 21. —	1 g 75. —
05370	L-Alanyl-L-proline puriss. CHR ~99% (NT); M.P. 170-175° dec. $\text{CH}_3\text{CH}(\text{NH}_2)\text{CON}(\text{CH}_2)_3\text{CHCOOH.aq}$ $\text{C}_8\text{H}_{14}\text{N}_2\text{O}_3.\text{aq}$ M_r 186.21 + aq [2325-18-0]	250 mg 33. —	1 g 120. —
05400	L-Alanyl-L-tryptophan puriss. CHR; $[\alpha]_{546}^{20} + 19 \pm 0.5^\circ$ (c = 2.7 in water) $\text{CH}_3\text{CH}(\text{NH}_2)\text{CONHCH}(\text{COOH})\text{CH}_2\text{C}(\text{CH}_2\text{CH}_2\text{NH}_2)\text{C}_6\text{H}_5$ $\text{C}_{14}\text{H}_{17}\text{N}_3\text{O}_3$ M_r 275.31 [16305-75-2]	250 mg 35. —	1 g 130. —
05410	L-Alanyl-L-tyrosine puriss. CHR; $[\alpha]_{546}^{20} + 55.9 \pm 0.5^\circ$ (c = 2 in water) $\text{CH}_3\text{CH}(\text{NH}_2)\text{CONHCH}(\text{COOH})\text{CH}_2\text{C}_6\text{H}_4\text{OH.aq}$ $\text{C}_{12}\text{H}_{16}\text{N}_2\text{O}_4.\text{aq}$ M_r 252.27 + aq [3061-88-9]	250 mg 35. —	1 g 130. —
Albumin Bovine (Bovine Albumin)			
05470	>99%; Ash <0.3%; pH 5.2±0.2; salt-free; freeze dried; H_2O <3%; Heavy Metals <0.02%; store in refrigerator	1 g 30. —	5 g 125. —
05480	Fraction V powder >95%; pH 7.0; Ash <1%; H_2O <2%; store in refrigerator; For microbiobiochem. and serological uses	10 g 25. —	50 g 105. — 500 g 760. —
05490	fatty acids <1.0 mg/g; Ash <0.5%; Loss on drying <3%; store in refrigerator	5 g 42. —	25 g 175. —
Albumin Egg (Egg Albumin; Ovalbumin)			
05440	5 × cryst.; salt-free; freeze dried; Ash <3%; Loss on drying <3%; store in refrigerator	1 g 20. —	5 g 85. —
05450	2 × cryst.; salt-free; freeze dried; Ash <1%; lysozyme free; Loss on drying <3%; store in refrigerator	1 g 12. —	5 g 50. —
05461	powder; Ash <8%; Loss on drying <7%; store in refrigerator	100 g 12. —	500 g 50. —
Albumin Human (Human Albumin)			
05420	cryst. 100%; pH 5.1; Ash <0.3%; Loss on drying <6%; store in refrigerator	500 mg 40. —	1 g 75. — 5 g 315. —
05430	Fraction V >95%; pH 7.0; Ash <3%; Loss on drying <8%; store in refrigerator	1 g 25. —	5 g 105. —
Albumosesilver see 05495 Silver proteinate			
05500	Alcian Blue 8 GS [C.I. Nr. 74240] [12633-95-3] Standard Fluka for Microscopy (Bact., Bot., Hist.)	10 g 10. —	50 g 40. —
ALCOHOLS (Alkanols)			
Alcohol C₁ see 65540 Methyl alcohol			
Alcohol C₂ see 02850 Ethyl alcohol			
Alcohol C₃ see 82089 Propyl alcohol			
see 59300 Isopropyl alcohol			
Alcohol C₄ see 19419 Butyl alcohol			
see 19440 and 19460 sec- and tert-Butyl alcohol			
see 58450 Isobutylalcohol			
Alcohol C₅ see 76929, 76940 and 76950 1-, 2- and 3-Pentanol			
see 65990, 66000 and 66020 2-Methyl-1-, 2-Methyl-2- and 3-Methyl-2-butanol			
see 41520 and 59090 2,2-Dimethyl-1-propanol and 3-Methyl-1-butanol			
Alcohol C₆ see 52830, 52850 and 52860 1-, 2- and 3-Hexanol			
see 39800 and 39810 2,2-Dimethyl-3- and 2,3-Dimethyl-2-butanol			
see 68370, 68400 and 68430 2-, 3- and 4-Methyl-1-pentanol			
see 68380, 68410 and 68440 2-, 3- and 4-Methyl-2-pentanol			
see 68390 and 68420 2- and 3-Methyl-3-pentanol			
see 03160 2-Ethyl-1-butanol			
Alcohol C₇ see 51780, 51800, 51820 and 51830 1-, 2-, 3- and 4-Heptanol			
see 67380 and 67400 2- and 3-Methyl-2-hexanol			
see 41130 and 41150 2,2-Dimethyl-3- and 2,4-Dimethyl-2-pentanol			
see 04640 3-Ethyl-3-pentanol			

sFr.

sFr.

Alcohol C₈ see 74850, 74860, 74870 and 74880 1-, 2-, 3- and 4-Octanol

see 67170, 67230 and 67240 2-Methyl-3-, 5-Methyl-3- and 6-Methyl-2-heptanol

see 04050 and 04060 2-Ethyl-1- and 3-Ethyl-4-hexanol

see 92640 2,2,4-Trimethyl-3-pentanol

Alcohol C₉ see 74280, 74290, 74295, 74300 and 74310 1-, 2-, 3-, 4- and 5-Nonanol

see 40430 2,2-Dimethyl-3-heptanol

see 92502 3,5,5-Trimethyl-1-hexanol

Alcohol C₁₀ see 30600, 30620 and 30630 1-, 2- and 5-Decanol**Alcohol C₁₁** see 94061, 94070 and 94080 1-, 2- and 6-Undecanol**Alcohol C₁₂** see 44100 and 44121 1- and 2-Dodecanol**Alcohol C₁₃** see 91520 and 91531 1- and 2-Tridecanol**Alcohol C₁₄** see 87160 1-Tetradecanol**Alcohol C₁₅** see 76520 and 76530 1- and 2-Pentadecanol**Alcohol C₁₆** see 52240 and 52260 1- and 2-Hexadecanol**Alcohol C₁₇** see 51590 1-Heptadecanol**Alcohol C₁₈** see 74720 1-Octadecanol**Alcohol C₁₉** see 74170 and 74180 1- and 2-Nonadecanol**Alcohol C₂₀** see 44860 1-Eicosanol**Alcohol C₂₂** see 43960 1-Docosanol**Alcohol C₂₄** see 87100 1-Tetracosanol**Alcohol C₂₆** see 52191 1-Hexacosanol**Alcohol dehydrogenase from yeast**, ADH (EC 1.1.1.1) [9031-72-5]

05540 puriss. p.a. 1 × cryst.; stab. with Sucrose; pH 7.5; soluble in 0.01 m Sodium phosphate buffer; salt-free; dried; activity ~300 U/mg; store in refrigerator

100 mg (Protein) 75. —

ALDEHYDES (Alkanals)**Aldehyde C₁** see 47629 Formaldehyde**Aldehyde C₂** see 00070 Acetaldehyde**Aldehyde C₃** see 81870 Propionaldehyde**Aldehyde C₄** see 20710 Butyraldehyde

see 58670 Isobutyraldehyde

Aldehyde C₅ see 94510 n-Valeraldehyde

see 80869 Pivalaldehyde

Aldehyde C₆ see 21520 Capronaldehyde

see 03280 2-Ethylbutyraldehyde

Aldehyde C₇ see 75170 1-Heptaldehyde**Aldehyde C₈** see 21630 Caprylic aldehyde

see 03290 2-Ethylcapronaldehyde

Aldehyde C₉ see 76310 Pelargonaldehyde**Aldehyde C₁₀** see 21400 Decanal**Aldehyde C₁₁** see 94020 Undecanal**Aldehyde C₁₂** see 91500 Tridecanal**18-Aldocorticosterone** see 05521 Aldosterone**Aldolase from Rabbit Muscle** (EC 4.1.2.13) [9024-52-6]05520 puriss. p.a. crystalline suspension in 3.2 m Ammoniumsulfate-solution; pH ~6; ~9 U/mg (25°C; Fructose-1.6-P₂ as Substrate); store in refrigerator

100 mg (10 ml) 145. —

		sFr.	sFr.
	Aldosterone (18-Aldocorticosterone) $C_{21}H_{28}O_5$ M_r 360.45 [52-39-1] puriss. M.P. 115-120° dec.; containing ~5% water; store in refrigerator	10 mg	65. —
05521			
	Aleuritic acid (9,10,16-Trihydroxypalmitic acid) $HOCH_2(CH_2)_6CH(OH)CH(OH)(CH_2)_7COOH$ $C_{16}H_{32}O_5$ M_r 304.43 [533-87-3] purum >97%(T); M.P. 97-99°; An abundant source of prostanoid synthons: J. M. Reuter, R. G. Salomon, J. Org. Chem. 43, 4247 (1978)	100 g	35. — 500 g 145. —
05540			
05550	Alginate acid purum Loss on drying ~10%; Ash <3% (Polymannuronic acid) $(C_6H_8O_6)_n$ M_r ~48 000-186 000 [9005-32-7]	100 g	13. — 500 g 55. —
71240	Alginate acid Sodium salt pract. (Sodium alginate) [9005-38-3]	250 g	20. — 1 kg 70. —
	Aliquat 336 see 91042 "Tricaprylylmethylammonium chloride"		
	Alizarin [C.I. Nr. 58000; Sch. Nr. 1141] (1,2-Dihydroxyanthraquinone) $C_{14}H_8O_4$ M_r 240.22 [72-48-0] Standard Fluka M.P. 293-294°; Indicator pH 5.8-7.2/11.0-13.0; for Microscopy	50 g	8. — 250 g 31. — 1 kg 115. —
05560			
	Alizarin-3-methylimino-diacetic acid (3,4-Dihydroxyanthraquinon-2-yl-methylimino-N,N-diacetic acid) $C_{19}H_{15}NO_6$ M_r 385.33 [3952-78-1] p.a. for Fluorine determination; ~90%(NT); M.P. ~185° dec.; H_2O 3-7%	1 g	18. — 5 g 75. —
05590			
	Alizarin Red S [C.I. Nr. 58005; Sch. Nr. 1145] (Alizarin sulfonic acid Sodium salt, Sodium alizarin sulfonate) $COC_6H_4COC_6H_3(OH)_2SO_3Na$ $C_{14}H_7NaO_7S$ M_r 342.26 [130-22-3] Standard Fluka for Microscopy; Indicator pH 5.0-6.6 (Hist.); Adsorption indicator; Z. anal. Chem. 261, 42 (1972); For spectrophotometric determination of Hafnium IV; Z. anal. Chem. 261, 42 (1972)	100 g	12. — 500 g 50. —
05600			
	Alizarin sulfonic acid Sodium salt see 05600 Alizarin Red S		
	Alizarin Yellow 2 G [C.I. Nr. 14025; Sch. Nr. 55] [5-(3-Nitrophenylazo)salicylic acid Sodium salt] $3-NO_2C_6H_4N:NC_6H_3-4-OH-3-COONa$ $C_{13}H_6N_3NaO_5$ M_r 309.22 [584-42-9] Standard Fluka; Indicator pH 10.0-12.0	25 g	22. — 100 g 80. —
05570			
	Alizarin Yellow R [C.I. Nr. 14030; Sch. Nr. 66] [5-(4-Nitrophenylazo)salicylic acid] $4-NO_2C_6H_4N:NC_6H_3-4-OH-3-COOH$ $C_{13}H_9N_3O_5$ M_r 287.23 [2243-76-7] Standard Fluka; Indicator pH 10.0-12.0; contains Sodium salt	25 g	12. — 100 g 40. —
05580			
	Alkali Blue 4 B [C.I. Nr. 42750; Sch. Nr. 813] (Alkali Blue BA 4B) $4-NaO_3SC_6H_4NHC_6H_4-4-C(OH)(C_6H_3-3-CH_3-4-NH_2)C_6H_4-4-NHC_6H_5$ $C_{32}H_{28}N_3NaO_4S$ M_r 573.65 [30586-13-1] Standard Fluka for Microscopy (Bact.)	25 g	9. — 100 g 28. —
05610			

Alkaline phosphatase see 79392 Phosphatase alkaline

Alkaloids see green section

ALKANES

Alkane C₁ see 64242 Methane

Alkane C₂ see 02362 Ethane

Alkane C₃ see 81752 Propane

Alkane C₄ see 18900 Butane

see 58340 2-Methylpropane

Alkane C₅ see 76870 Pentane

see 41490 and 59060 2,2-Dimethylpropane and 2-Methylbutane

Alkane C₆ see 52750 Hexane

see 68310 and 68320 2- and 3-Methylpentane

Alkane C₇ see 51730 Heptane

see 67360 and 67370 2- and 3-Methylhexane

see 41060, 41070, 41090 and 41120 2,2-, 2,3-, 2,4- and 3,3-Dimethylpentane

see 92340 2,2,3-Trimethylbutane

sFr.

sFr.

Alkane C₈ see 74820 Octane
 see 59030 Isooctane
 see 67120, 67130 and 67140 2-, 3- and 4-Methylheptane
 see 40490, 40500 and 40510 2,2-, 2,4- and 2,5-Dimethylhexane
 see 92613 2,3,4-Trimethylpentane

Alkane C₉ see 74250 Nonane
 see 68170, 68180 and 68190 2-, 3- and 4-Methyloctane
 see 92470 and 92490 2,2,4- and 2,3,5-Trimethylhexane

Alkane C₁₀ see 30540 Decane
 see 68070, 68080, 68090 and 68100 2-, 3-, 4- and 5-Methylnonane
 see 87353 Tetrahydrocitronellene

Alkane C₁₁ see 94000 Undecane

Alkane C₁₂ see 44010 Dodecane

Alkane C₁₃ see 91490 Tridecane

Alkane C₁₄ see 87139 Tetradecane

Alkane C₁₅ see 76510 Pentadecane

Alkane C₁₆ see 52210 Hexadecane

Alkane C₁₇ see 51580 Heptadecane

Alkane C₁₈ see 74705 Octadecane

Alkane C₁₉ see 74160 Nonadecane

Alkane C₂₀ see 44820 Eicosane

Alkane C₂₁ see 51525 Heneicosane

Alkane C₂₂ see 43940 Docosane

Alkane C₂₃ see 91449 Tricosane

Alkane C₂₄ see 87090 Tetracosane

Alkane C₂₅ see 76495 Pentacosane

Alkane C₂₆ see 52185 Hexacosane

Alkane C₂₈ see 74690 Octacosane

Alkane C₃₀ see 90272 Triacontane
 see 85630 Squalane

Alkane C₃₂ see 44260 Dotriacontane

Alkane C₃₄ see 88153 Tetratriacontane

Alkane C₃₆ see 52920 Hexatriacontane

Alkane C₃₈ see 74893 Octatriacontane

Alkane C₄₀ see 87087 Tetracontane

Alkane C₄₄ see 88143 Tetratetracontane

Alkylphenyl polyethylene glycol see 93420 Triton® X-100

Alkylphenyl polyethylene glycol see 93421 Triton® X-114

Allantoin (Glyoxylic[acid]diureide; 5-Ureidohydantoin)
 $\text{NHCONHCOCHNHCONH}_2$ $\text{C}_4\text{H}_6\text{N}_4\text{O}_3$ M_r 158.12 [97-59-6]
 purum >98%(N); M.P. 232-234° dec.; Ash <0.2%

05670

25 g 7. — 100 g 10. — 500 g 32. —

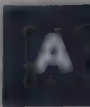
L-Alloisoleucine [(2S,3R)-2-Amino-3-methylpentanoic acid; L-allo-Isoleucine]
 $\text{CH}_2\text{CH}_2\text{CH}(\text{CH}_3)\text{CH}(\text{NH}_2)\text{COOH}$ $\text{C}_6\text{H}_{13}\text{NO}_2$ M_r 131.18 [1509-34-8]
 puriss. >99%(NT); M.P. ~285°; $[\alpha]_{\text{D}}^{20} +45 \pm 2$ (c = 5 in 6n HCl); Ash <0.05%

05703

250 mg 40. — 1 g 145. —

				sFr.	sFr.
05705	D-Alloisoleucine [(2R,3S)-2-Amino-3-methylpentanoic acid; D-allo-Isoleucine] $\text{CH}_3\text{CH}_2\text{CH}(\text{CH}_3)\text{CH}(\text{NH}_2)\text{COOH}$ $\text{C}_6\text{H}_{13}\text{NO}_2$ M_r 131.18 [1509-35-9]				
	puriss. >99% (NT); containing ~1% D-Isoleucine + L-Alloisoleucine; $[\alpha]_{540}^{20} -45.0 \pm 2^\circ$ (c = 5 in 6N HCl); store in refrigerator			250 mg 35.—	1 g 130.—
	Alloocimen see 05700 2,6-Dimethyl-2,4,6-octatriene				
05708	neo-Alloocimen (Alloocimen B; trans,cis-2,6-Dimethyl-2,4,6-octatriene) 3/3; 38° $(\text{CH}_3)_2\text{C}:\text{CHCH}:\text{CHC}(\text{CH}_3):\text{CHCH}_3$ $\text{C}_{10}\text{H}_{16}$ M_r 136.24 [673-84-7]				
	puriss. stab. with Hydroquinone; ~99% (GC); B.P. 196-198°; d_4^{20} 0.811; n_D^{20} 1.546	1 lt ≈ 0.81 kg		5 ml 18.—	25 ml 75.—
	Allophanic acid amide see 15270 Biuret				
05740	Allopregnan-3β,20β-diol purum >98% (C,H-Analysis); M.P. 192-194° $\text{C}_{21}\text{H}_{36}\text{O}_2$ M_r 320.52 [516-53-0]			1 g 25.—	
05750	β-D-Allose purum M.P. 134-135°; $[\alpha]_{540}^{20 \rightarrow 2h} 17 \pm 1^\circ$ (c = 10 in water) $\text{HOCH}_2\text{CH}(\text{CHOH})_4\text{O}$ $\text{C}_6\text{H}_{12}\text{O}_6$ M_r 180.16 [2595-97-3]			250 mg 44.—	
05753	L-Allothreonine puriss. (L-allo-Threonine) $\text{CH}_3\text{CH}(\text{OH})\text{CH}(\text{NH}_2)\text{COOH}$ $\text{C}_4\text{H}_9\text{NO}_3$ M_r 119.12 [28954-12-3]			100 mg 55.—	
05756	D-Allothreonine puriss. (D-allo-Threonine) $\text{CH}_3\text{CH}(\text{OH})\text{CH}(\text{NH}_2)\text{COOH}$ $\text{C}_4\text{H}_9\text{NO}_3$ M_r 119.12 [24830-94-2]			100 mg 75.—	
	Alloxan-5-oxime see 95120 Violuric acid				
05760	Alloxan Tetrahydrate [2,4,5,6(1H,3H)-Pyrimidinetetrone Tetrahydrate] $\text{HNCONHCOCOCO} \cdot 4\text{H}_2\text{O}$ $\text{C}_4\text{H}_2\text{N}_2\text{O}_5 \cdot 4\text{H}_2\text{O}$ M_r 230.13 [50-71-5]				
	purum p.a. M.P. ~255° dec.; containing ~30-35% H_2O ; Proof of: Ag, Cd, Co, Fe, HCN, Hg, Mg, Mn, Ni, Zn; store in refrigerator			10 g 7.—	50 g 24.—
05770	Alloxantin [5,5'-Dihydroxy-5,5'-bipyrimidine-2,2',4,4',6,6'(1H,1'H,3H,3'H,5H,5'H)hexone] $\text{C}_8\text{H}_6\text{N}_4\text{O}_8 \cdot 2\text{H}_2\text{O}$ M_r 322.19 [76-24-4]				
	purum >98% (N); M.P. ~250° dec.			10 g 8.—	50 g 29.—
45800	Allyl acetate purum >98% (GC); B.P. 99-103°; d_4^{20} 0.926; n_D^{20} 1.404 4/1a; 11° $\text{CH}_3\text{COOCH}_2\text{CH}:\text{CH}_2$ $\text{C}_5\text{H}_8\text{O}_2$ M_r 100.12 [591-87-7]	1 lt ≈ 0.93 kg		100 ml 12.—	500 ml 50.—
05950	Allylacetic acid (4-Pentenoic acid; 3-Vinylpropionic acid) 8/21c $\text{CH}_2:\text{CHCH}_2\text{CH}_2\text{COOH}$ $\text{C}_5\text{H}_8\text{O}_2$ M_r 100.12 [5204-64-8]				
	purum >99% (GC); B.P. 187-189°; d_4^{20} 0.980; n_D^{20} 1.429	1 lt ≈ 0.98 kg		5 ml 26.—	25 ml 110.—
	Allylacetone see 53070 5-Hexen-2-one				
05790	Allyl alcohol (2-Propen-1-ol) 6.1/13a; 21° $\text{CH}_2:\text{CHCH}_2\text{OH}$ $\text{C}_3\text{H}_6\text{O}$ M_r 58.08 [107-18-6]				
	purum ~98% (GC); B.P. 95-97°; d_4^{20} 0.852; n_D^{20} 1.413; Aspect: yellow	1 lt ≈ 0.85 kg		1 lt 18.—	5 lt 75.—
05810	Allylamine (3-Amino-1-propene) 6.1/4; 1° $\text{CH}_2:\text{CHCH}_2\text{NH}_2$ $\text{C}_3\text{H}_7\text{N}$ M_r 57.10 [107-11-9]				
	purum ~99% (GC); B.P. 52-55°; d_4^{20} 0.76; n_D^{20} 1.420	1 lt ≈ 0.76 kg	100 ml 8.—	500 ml 29.—	2.5 lt 120.—
05840	Allylbenzene (3-Phenyl-1-propene) 3/3; 40° $\text{C}_6\text{H}_5\text{CH}_2\text{CH}:\text{CH}_2$ C_9H_{10} M_r 118.18 [300-57-2]				
	purum >98% (GC); B.P. 125-126°; d_4^{20} 0.897; n_D^{20} 1.511	1 lt ≈ 0.90 kg		25 ml 22.—	100 ml 80.—
05860	Allyl bromide (3-Bromo-1-propene) 6.1/4a; -1° $\text{CH}_2:\text{CHCH}_2\text{Br}$ $\text{C}_3\text{H}_5\text{Br}$ M_r 120.98 [106-95-6]				
	puriss. stab. with Silver; >99.5% (GC); B.P. 70-71°; d_4^{20} 1.43; n_D^{20} 1.469; store in refrigerator	1 lt ≈ 1.43 kg		100 ml 20.—	500 ml 85.—
05870	purum stab. with Silver; >98% (GC); B.P. 69-71°; d_4^{20} 1.43; n_D^{20} 1.469; store in refrigerator	1 lt ≈ 1.43 kg	100 ml 8.—	500 ml 26.—	1 lt 50.—
05875	Allyl butyl ether $\text{CH}_2:\text{CHCH}_2\text{OCH}_2\text{CH}_2\text{CH}_2\text{CH}_3$ $\text{C}_7\text{H}_{14}\text{O}$ M_r 114.19 [3739-64-8]				
	purum >98% (GC); B.P. 117-118°; d_4^{20} 0.783; n_D^{20} 1.407	1 lt ≈ 0.78 kg		100 ml 16.—	500 ml 67.—
	Allyl carbinol see 19170 3-Buten-1-ol (1-4)				
05880	Allyl chloride (3-Chloro-1-propene) 6.1/4a; -32° $\text{CH}_2:\text{CHCH}_2\text{Cl}$ $\text{C}_3\text{H}_5\text{Cl}$ M_r 76.53 [107-05-1]				
	puriss. ~99% (GC); B.P. 45-45.5°; d_4^{20} 0.935; n_D^{20} 1.415	1 lt ≈ 0.94 kg		250 ml 10.—	1 lt 35.—
05890	purum ~98% (GC); B.P. 43-45°; d_4^{20} 0.935; n_D^{20} 1.415	1 lt ≈ 0.94 kg		1 lt 14.—	2.5 lt 31.—

			sFr.	sFr.
	Allyl chloroformate			
	6.1/4c; 31° <chem>ClCOOCH2CH:CH2</chem> <chem>C4H5ClO2</chem> M_r 120.54 [27550-72-7]			
23150	purum stab. with 0.1% Hydroquinone; ~97%(GC); B.P. ₁₁ ~27°; d_4^{20} 1.134; n_D^{20} 1.423; store in refrigerator		1 lt ≈ 1.13 kg	25 ml 26. — 100 ml 95. —
	Allyl cyanide (3-Butenonitrile; Vinylacetonitrile)			
	6.1/2b; 19° <chem>CH2:CHCH2CN</chem> <chem>C4H5N</chem> M_r 67.09 [109-75-1]			
05900	purum >98%(GC); B.P. 116-120°; d_4^{20} 0.834; n_D^{20} 1.406		1 lt ≈ 0.83 kg	100 ml 12. — 500 ml 50. —
05910	Allylcyclohexane purum ~99%(GC) (3-Cyclohexyl-1-propene) 3/3; 29° <chem>CH2:(CH2)4CHCH2CH:CH2</chem> <chem>C9H16</chem> M_r 124.33 [5364-83-0]		1 lt ≈ 0.81 kg	10 ml 35. — 50 ml 145. —
	4-Allyl-1,2-dimethoxybenzene see 46110 Eugenol methyl ether			
	Allyldimethylamine (N,N-Dimethylallylamine; 3-Dimethylamino-1-propene; DMAA)			
	3/3; 23° <chem>CH2:CHCH2N(CH3)2</chem> <chem>C5H11N</chem> M_r 85.15 [2155-94-4]			
05937	for Sequential analysis; store in refrigerator		1 lt ≈ 0.80 kg	25 ml 50. —
	Allyldimethylchlorosilane			
	8/23a; -26° <chem>CH2:CHCH2Si(CH3)2Cl</chem> <chem>C5H11ClSi</chem> M_r 134.68 [4028-23-3]			
05940	pract. >97%; B.P. 82-83° (Lit.); d_4^{20} 0.91; n_D^{20} 1.429; Silylating agent for the analysis of steroids by gas chromatography-mass: G. Phillipou, J. Chromatogr. 129, 384 (1976)		1 lt ≈ 0.91 kg	5 ml 29. —
	Allyl disulfide (Diallyl disulfide)			
	6.1/21; 51° <chem>CH2:CHCH2SSCH2CH:CH2</chem> <chem>C6H10S2</chem> M_r 146.28 [2179-57-9]			
32621	techn. ~60-70%(GC); containing also 30-40% Diallyl sulfide		1 lt ≈ 1.01 kg	25 ml 23. — 100 ml 85. —
	Allyl ether (Diallyl ether)			
	3/1a; -8° <chem>(CH2:CHCH2)2O</chem> <chem>C6H10O</chem> M_r 98.15 [557-40-4]			
32579	purum ~97%(GC); B.P. 92-95°; d_4^{20} 0.807; n_D^{20} 1.416		1 lt ≈ 0.81 kg	100 ml 30. — 500 ml 125. —
	2-Allylethyl alcohol see 77020 4-Penten-1-ol			
	Allyl glycidyl ether (Allyl 2,3-epoxypropyl ether)			
	3/3 <chem>C6H10O2</chem> M_r 114.15 [106-92-3]			
05959	puriss. >99%(GC); B.P. ₁₅ 50-52°; d_4^{20} 0.97; n_D^{20} 1.934; Glutamate decarboxylase inhibitor: D. F. Reingold, H. Orlowski, Fed. Proc. 37, 575 (1978)		1 lt ≈ 0.97 kg	250 ml 24. — 1 lt 90. —
05960	DL-C-Allylglycine puriss. >99%(NT); M.P. ~265° dec. (DL-2-Amino-4-pentenoic acid) <chem>CH2:CHCH2CH(NH2)COOH</chem> <chem>C5H9NO2</chem> M_r 115.13 [3182-77-2]		1 g 22. —	5 g 90. —
05980	N-Allyl-N'-(2-hydroxyethyl)thiourea purum >98%(S); M.P. 76-78° <chem>HOCH2CH2NHCSNHCH2CH:CH2</chem> <chem>C6H12N2OS</chem> M_r 160.24 [105-81-7]		100 g 16. —	500 g 67. —
05985	1-Allylimidazole pract. 6.1/21 <chem>CH2:CHCH2NCH:NCH:CH</chem> <chem>C6H8N2</chem> M_r 108.14 [31410-01-2]		1 lt ≈ 1.00 kg	100 ml 18. — 500 ml 75. —
	Allyl iodide (3-Iodo-1-propene)			
	<chem>CH2:CHCH2I</chem> <chem>C3H5I</chem> M_r 167.98 [556-56-9]			
05990	pract. stab. with Silver; >97%(GC); B.P. 101-103°; d_4^{20} 1.83; n_D^{20} 1.552; store in refrigerator		1 lt ≈ 1.83 kg	25 ml 20. — 100 ml 70. —
	Allyl isothiocyanate			
	6.1/21d; 29° <chem>CH2:CHCH2NCS</chem> <chem>C4H5NS</chem> M_r 99.16 [57-06-7]			
06019	pract. >98%(GC); B.P. 149-151°; d_4^{20} 1.02; n_D^{20} 1.531; store in refrigerator		1 lt ≈ 1.02 kg	100 ml 9. — 500 ml 34. —
	Allyl mercaptan (2-Propene-1-thiol)			
	3/1a; 18° <chem>CH2:CHCH2SH</chem> <chem>C3H6S</chem> M_r 74.14 [870-23-5]			
06030	techn. ~80%(GC); B.P. 66-68°; d_4^{20} 0.921		1 lt ≈ 0.92 kg	25 ml 20. — 100 ml 100. —
	Allyl methacrylate			
	3/3; 38° <chem>CH2:C(CH3)COOCH2CH:CH2</chem> <chem>C7H10O2</chem> M_r 126.16 [96-05-9]			
64079	purum stab. with 0.006% Hydroquinone; >98%(GC); B.P. 139-140°; d_4^{20} 0.934; n_D^{20} 1.436; store in refrigerator		1 lt ≈ 0.94 kg	100 ml 9. — 500 ml 34. —
	4-Allyl-2-methoxyphenol see 46100 Eugenol			
	N-Allylmethylamine (N-Methylallylamine)			
	3/1a; -8° <chem>CH2:CHCH2NHCH3</chem> <chem>C4H9N</chem> M_r 71.12 [627-37-2]			
06045	purum >99%(GC); B.P. 61-62°; d_4^{20} 0.743; n_D^{20} 1.412		1 lt ≈ 0.74 kg	5 ml 29. — 25 ml 120. —



sFr.

sFr.

Allyl methyl carbinol see 77040 4-Penten-2-ol**4-Allyl-1,2-methylenedioxybenzene** see 84130 Safrole**3-Allyloxy-1,2-propanediol** (Glycerol 1-allyl ether) $\text{HOCH}_2\text{CH}(\text{OH})\text{CH}_2\text{OCH}_2\text{CH}:\text{CH}_2$ $\text{C}_6\text{H}_{12}\text{O}_3$ M_r 132.16 [123-34-2]49841 purum >99% (GC); B.P. 244-246°; d_4^{20} 1.069; n_D^{20} 1.463 1 lt $\approx$ 1.07 kg 100 ml 20.— 500 ml 85.—**Allyloxy trimethyl silane** $\text{CH}_2:\text{CHCH}_2\text{OSi}(\text{CH}_3)_3$ $\text{C}_6\text{H}_{14}\text{OSi}$ M_r 130.26 [18146-00-4]06051 purum >98% (GC); B.P. 98-99°; d_4^{20} 0.789; n_D^{20} 1.397; Starting material for the synthesis of α -siloxyallylsilanes which react as homoenolates anion equivalents with acid chlorides to form γ -keto aldehydes (three carbon chain elongation): A. Hosomi et al., J. Org. Chem. 43, 2551 (1978) 1 lt $\approx$ 0.79 kg 25 ml 20.— 100 ml 70.—06052 **2-Allylphenol** pract. >98% (GC); B.P. 226-228°; d_4^{20} 1.020; n_D^{20} 1.544 1 lt $\approx$ 1.02 kg 100 ml 15.— 500 ml 63.—
6.1/13 $\text{CH}_2:\text{CHCH}_2\text{C}_6\text{H}_4\text{OH}$ $\text{C}_9\text{H}_{10}\text{O}$ M_r 134.18 [1745-81-9]**Allyl phenyl sulfide**6.1/81a $\text{CH}_2:\text{CHCH}_2\text{SC}_6\text{H}_5$ $\text{C}_9\text{H}_{10}\text{S}$ M_r 150.24 [5296-64-0]06060 purum >98% (GC); B.P. 223-225°; d_4^{20} 1.024; n_D^{20} 1.576 1 lt $\approx$ 1.02 kg 10 ml 25.— 50 ml 105.—**Allyl phenyl sulfone** $\text{C}_6\text{H}_5\text{SO}_2\text{CH}_2\text{CH}:\text{CH}_2$ $\text{C}_9\text{H}_{10}\text{O}_2\text{S}$ M_r 182.24 [16212-05-8]06061 purum >98% (GC); B.P. 106°; d_4^{20} 1.189; n_D^{20} 1.548; Starting material for the preparation of 1-alkyl-2-methylethenes: D. Savoia et al., J. Chem. Soc. Perkin I, 123 (1977) 1 lt $\approx$ 1.19 kg 10 ml 25.— 50 ml 105.—**Allyl phenyl sulfoxide** $\text{C}_6\text{H}_5\text{SOCH}_2\text{CH}:\text{CH}_2$ $\text{C}_9\text{H}_{10}\text{OS}$ M_r 166.24 [19093-37-9]06062 purum >97% (GC); B.P. 85°; d_4^{20} 1.122; n_D^{20} 1.578; Reagent for the synthesis of allylic alcohols: D. A. Evans et al., Tetrahedron Lett. 1385 (1973); G. C. Andrews, Acc. Chem. Res. 147 (1974) 1 lt $\approx$ 1.12 kg 10 ml 30.— 50 ml 125.—**2-Allylpropene** see 68280 2-Methyl-1,4-pentadiene**Allyl sulfide** (Diallyl sulfide)3/3; 23° $(\text{CH}_2:\text{CHCH}_2)_2\text{S}$ $\text{C}_6\text{H}_{10}\text{S}$ M_r 114.21 [592-88-1]32660 purum $\sim$ 97% (GC); B.P. 136-140°; d_4^{20} 0.887; n_D^{20} 1.489 1 lt $\approx$ 0.89 kg 25 ml 17.— 100 ml 60.—06070 **N-Allylthiourea** purum >98% (N); M.P. 71-73° (Thiosinamine) 100 g 12.— 500 g 50.—
6.1/81d $\text{CH}_2:\text{CHCH}_2\text{NHCSNH}_2$ $\text{C}_4\text{H}_8\text{N}_2\text{S}$ M_r 116.19 [109-57-9]**Allyltrimethylsilane**3/1a; 16° $\text{CH}_2:\text{CHCH}_2\text{Si}(\text{CH}_3)_3$ $\text{C}_6\text{H}_{14}\text{Si}$ M_r 114.27 [762-72-1]06073 purum >97% (GC); B.P. 83-85°; d_4^{20} 0.722; n_D^{20} 1.407; Reagent for the allylation of carbon electrophiles: A. Hosomi et al., Chem. Lett. 499 (1978); I. Ojima, M. Kumagai, Chem. Lett. 575 (1978); E. W. Colvin, Chem. Soc. Rev. 7, 15 (1978) (and references cited therein); β -acylcarbanion equivalent: D. Ayalon-Chass et al., J. C. S. Chem. Comm. 772 (1977); reagent for the synthesis of 1,3-dienes: P. W. K. Lau, T. H. Chan, Tetrahedron Lett. 2383 (1978) 1 lt $\approx$ 0.72 kg 10 ml 15.— 50 ml 63.—**Allyltriphenylphosphonium chloride** $\text{CH}_2:\text{CHCH}_2\text{P}(\text{Cl})(\text{C}_6\text{H}_5)_3$ $\text{C}_{21}\text{H}_{20}\text{ClP}$ M_r 338.82 [18480-23-4]06075 purum >99% (Cl); M.P. 227-229°; $\text{H}_2\text{O} < 1\%$; A Wittig reagent: L. Fieser, M. Fieser, "Reagents for Organic Synthesis" 5, 7, John Wiley and Sons, Inc. 25 g 17.— 100 g 60.—05970 **N-Allylurea** purum >98% (N); M.P. 82-85° 25 g 10.— 100 g 32.—
 $\text{CH}_2:\text{CHCH}_2\text{NHCONH}_2$ $\text{C}_4\text{H}_8\text{N}_2\text{O}$ M_r 100.12 [557-11-9]**Alumina** see Aluminum oxide**Aluminum**Al A_r 26.98 [7429-90-5]06120 puriss. 99.99% turnings; grease <0.5% 250 g 9.— 1 kg 30.—
06130 purum >99%; granulated 0.15-1.7 mm; Fe <0.3% 1 kg 16.— 5 kg 67.—
06140 4.2/6a purum >99% powder 250 g 9.— 1 kg 30.—
06150 purum >99% turnings; grease $\sim$ 3% 1 kg 14.— 5 kg 60.—



				sFr.	sFr.
Aluminum (Coating quality BALZERS)					
06151	99.99%; sticks: Dia. 2 mm			100 g 28.—	500 g 75.—
06152	99.99%; mesh size 0.2-0.7 mm			100 g 20.—	500 g 60.—
06153	99.99%; wire: Dia. 1.5 mm			500 g 85.—	
Aluminum Ion Standard Solution FLUKA					
06154	1.000 g Aluminum/Liter/20°C; from AlCl ₃ ; pH 1.5 adjusted with HCl	1 lt ≈ 1.00 kg		500 ml 18.—	
06157	Aluminum acetate basic purum p.a. powder (Aluminum diacetate hydroxide) [142-03-0]			1 kg 22.—	
	Fluka-Guarantee:				
	Assay (as Al ₂ O ₃)	30-34%	Iron (Fe)	<0.01 %	
	Chloride (Cl)	<0.005%	Zinc (Zn)	<0.005%	
	Copper (Cu)	<0.005%	Calcium (Ca)	<0.005%	
	Lead (Pb)	<0.005%			
06160	Aluminum acetylacetonate purum cryst. >98% (Al); M.P. 192-194° Al(C ₅ H ₇ O ₂) ₃ C ₁₅ H ₂₁ AlO ₆ M _r 324.31 [13963-57-0]			25 g 7.—	100 g 20.—
06180	Aluminum bromide anhydrous purum dest. >98% (Br); M.P. 94-98° 8/12 AlBr ₃ M _r 266.71 [7727-15-3]			100 g 32.—	
06190	Aluminum sec.-butylate pract. ~21% Al ₂ O ₃ (Aluminum-sec.-butoxide) 8/31a Al(OCH[CH ₃]C ₂ H ₅) ₃ C ₁₂ H ₂₇ AlO ₃ M _r 246.33 [2269-22-9]	1 lt ≈ 0.96 kg		250 ml 8.—	1 lt 25.—
	Aluminum tert.-butylate (Aluminum-tert.-butoxide) 8/31 Al[OC(CH ₃) ₃] ₃ C ₁₂ H ₂₇ AlO ₃ M _r 246.33 [556-91-2]				
06201	pract. ~95%; M.P. 208-210° dec.; containing 2-4% Al ₂ O ₃	25 g 18.—		100 g 65.—	500 g 275.—
06210	Aluminum carbide techn. powder Al ~73.7%; C ~25%; O ₂ <0.7% 4.3/2a Al ₄ C ₃ M _r 143.96 [1299-86-1]			100 g 22.—	500 g 90.—
Aluminum chloride anhydrous					
8/12	AlCl ₃ M _r 133.34 [7446-70-0]				
06220	puriss. >99% (Cl); Fe <0.008%; Aspect white			100 g 7.—	1 kg 20.—
06230	pract. >98% (Cl); Fe <0.3%			1 kg 12.—	
06232	Aluminum chloride Hexahydrate purum p.a. cryst. 8/12 AlCl ₃ ·6H ₂ O M _r 241.43 [7784-13-6]			1 kg 12.—	
	Fluka-Guarantee:				
	Assay	>99.0 %	Lead (Pb)	<0.005%	
	pH (5% solution in water 20°C)	2.5-3.5	Iron (Fe)	<0.005%	
	Sulfate (SO ₄)	<0.01 %	Zinc (Zn)	<0.005%	
	Copper (Cu)	<0.005%	Calcium (Ca)	<0.005%	
Aluminumdiethanide monohydride see 31728 Diethylaluminum hydride					
Aluminum ethylate (Aluminum ethoxide)					
8/31a	Al(OC ₂ H ₅) ₃ C ₆ H ₁₅ AlO ₃ M _r 162.17 [555-75-9]				
06170	pract. >97%; M.P. 154-159°; may contain Xylene			25 g 14.—	100 g 50.—
06240	Aluminum hydroxide pract. 64-66% Al ₂ O ₃ Al(OH) ₃ AlH ₃ O ₃ M _r 78.00 [21645-51-2]			1 kg 8.—	10 kg 40.—
Aluminum isopropylate (Aluminum isopropoxide)					
8/31a	Al[OCH(CH ₃) ₂] ₃ C ₉ H ₂₁ AlO ₃ M _r 204.25 [555-31-7]				
06251	pract. dest. >98%; M.P. 134-138°	250 g 7.—		1 kg 20.—	5 kg 85.—
Aluminum lactate see 69812 Lactic acid Aluminum salt					
Aluminum methylate pract. ~95% (Aluminum methoxide)					
8/31a	Al(OCH ₃) ₃ C ₃ H ₉ AlO ₃ M _r 120.08 [865-31-6]			25 g 18.—	100 g 65.—
06270	Aluminum monostearate techn. powder 80-85% (Stearic acid Aluminum dihydroxide salt) CH ₃ (CH ₂) ₁₆ COOAl(OH) ₂ C ₁₈ H ₃₇ AlO ₄ M _r 344.48 [7047-84-9]			1 kg 16.—	5 kg 67.—
06275	Aluminum-nitrate purum p.a. 5.1/7 Al(NO ₃) ₃ ·9H ₂ O AlN ₃ O ₉ ·9H ₂ O M _r 375.13 [13473-90-0]			1 kg 12.—	5 kg 50.—
	Fluka-Guarantee:				
	Assay	>98.0 %	Copper (Cu)	<0.005%	
	pH (5% solution in water 20°C)	2.5-3.5	Lead (Pb)	<0.005%	
	Chloride (Cl)	<0.005%	Iron (Fe)	<0.005%	
	Sulfate (SO ₄)	<0.005%	Zinc (Zn)	<0.005%	



sFr.

sFr.

Aluminum oxide

06280	Al_2O_3 M_r 101.96 [1344-28-1]	25 g 12. —	100 g 40. —	500 g 170. —
	puriss. 99.99%; >95% α -Form; calcinated at 1300°; mesh size 0.3 μ			

Aluminum oxide Fluka for Chromatography

06290	Activity I according to Brockmann	1 kg 18. —	5 kg 75. —
	Type 5016 A basic pH 9.5±0.2		
06300	Type 507 C neutral pH 7.0±0.5; mesh size 100-125 mesh	1 kg 18. —	5 kg 75. —
06310	Type 506 C weak acid pH 6.0±0.5	1 kg 18. —	5 kg 75. —
06320	Type 504 C acid pH 4.5±0.3	1 kg 18. —	5 kg 75. —

Aluminum oxide for Thin Layer Chromatography

06360	Type G with ~10% Calcium sulfate	250 g 12. —	1 kg 40. —
06370	Type GF ₂₅₄ with Calcium sulfate and fluorescent indicator	250 g 13. —	1 kg 45. —
06380	Type H without Calcium sulfate	250 g 12. —	1 kg 40. —
06390	Type HF ₂₅₄ without Calcium sulfate with fluorescent indicator	250 g 13. —	1 kg 45. —

Aluminum oxide/TLC-cards

with fluorescent indicator 254 nm on aluminum cards; layer thickness 0.2 mm		28. —	55. —
06407	package with 20 cards 10 × 20 cm		
06408	package with 25 cards 20 × 20 cm	28. —	55. —

06400	Aluminum oxide for Drying granulated 2-5 mm	1 kg 13. —	5 kg 55. —
-------	--	------------	------------

Aluminum oxide (Coating quality BALZERS)

06402	99.98%; tablets	100 g 240. —	
06403	99.5%; mesh size 1.5-3.5 mm	100 g 40. —	

06410	Aluminum perchlorate Octahydrate purum cryst. ~95%(T) $\text{Al}(\text{ClO}_4)_3 \cdot 8\text{H}_2\text{O}$ $\text{AlCl}_3\text{O}_{12} \cdot 8\text{H}_2\text{O}$ M_r 469.46 [14452-39-2]	100 g 22. —	500 g 90. —
-------	--	-------------	-------------

06420	Aluminum selenide pract. ~98%(Se); for the preparation of Hydrogen Selenide 6.1/81h Al_2Se_3 M_r 290.84 [1302-82-5]	25 g 21. —	100 g 75. —
-------	---	------------	-------------

06421	Aluminum sulfate purum p.a. Ph. Eur. $\text{Al}_2(\text{SO}_4)_3 \cdot 16\text{H}_2\text{O}$ $\text{Al}_2\text{O}_3 \cdot 12\text{S}_3 \cdot 16\text{H}_2\text{O}$ M_r 630.39 [10043-01-3]	1 kg 7. —	5 kg 21. —
-------	--	-----------	------------

Fluka-Guarantee:

Assay	>98.0 %	Lead (Pb)	<0.005%
Chloride (Cl)	<0.005%	Iron (Fe)	<0.005%
Copper (Cu)	<0.005%	Zinc (Zn)	<0.005%

**Aluminum trialkanides** see Trialkylaluminum**Aluminum trialkoxides** see Aluminum alkoxides**Amberlite® and Amberlyst** see next pages for detail information

06435	Amberlite® CG-50 100-200 mesh H ⁺ -Form weak acid for Chromatography	50 g 15. —	250 g 63. —
06448	Amberlite® CG-50-H 200-400 mesh; weak acid; for Chromatography; DVB Copolymer 5%	50 g 21. —	250 g 90. —
06436	Amberlite® CG-120 100-200 mesh Na ⁺ -Form strong acid for Chromatography	50 g 15. —	250 g 63. —
06449	Amberlite® CG-120-H 200-400 mesh; weak acid; for Chromatography; DVB Copolymer 5%	50 g 21. —	250 g 90. —
06438	Amberlite® CG-400 100-200 mesh Cl ⁻ -Form strong base for Chromatography	50 g 13. —	250 g 55. —
06451	Amberlite® CG-400-H 200-400 mesh; weak acid; for Chromatography; DVB Copolymer 5%	50 g 13. —	250 g 55. —
06455	Amberlite® IR-4B OH ⁻ -Form weak base anion exchanger	250 g 23. —	1 kg 85. —
06428	Amberlite® IR-120 28-35 mesh; H ⁺ -Form strong acid cation exchanger	1 kg 25. —	5 kg 105. —
06437	Amberlite® IR-200 20-50 mesh; H ⁺ -Form	1 kg 22. —	5 kg 90. —
06441	Amberlite® IRA-93 free Base	250 g 14. —	1 kg 50. —
06442	Amberlite® IRA-93 20-50 mesh; OH ⁻ -Form	250 g 14. —	1 kg 50. —
06431	Amberlite® IRA-400 20-50 mesh Cl ⁻ -Form strong base anion exchanger	250 g 12. —	1 kg 40. —
06432	Amberlite® IRA-401 20-50 mesh Cl ⁻ -Form strong base anion exchanger with high porosity	250 g 12. —	1 kg 40. —
06433	Amberlite® IRA-410 20-50 mesh Cl ⁻ -Form strong base anion exchanger	250 g 13. —	1 kg 45. —
06429	Amberlite® IRC-50 32-45 mesh H ⁺ -Form weak acid cation exchanger	250 g 16. —	1 kg 55. —
06462	Amberlite® IRC-84 20-50° mesh; H ⁺ -Form	250 g 9. —	1 kg 30. —

			sFr.	sFr.
06439	Amberlite® MB-3	20-50 mesh H ⁺ - and OH ⁻ -Form resin blend	100 g 13. —	500 g 55. —
06443	Amberlite® XAD-2	20-50 mesh	250 g 23. —	1 kg 85. —
06444	Amberlite® XAD-4	20-50 mesh	100 g 22. —	500 g 90. —
06445	Amberlite® XAD-7	20-50 mesh	250 g 23. —	1 kg 85. —
06446	Amberlite® XAD-8	20-50 mesh	250 g 23. —	1 kg 85. —
06447	Amberlite® XAD-12	20-50 mesh	250 g 23. —	1 kg 85. —
06456	Amberlite® XE-243		100 g 25. —	500 g 105. —
06452	Amberlite® LA-1	Liquid Ion exchanger; second amine type	1 lt ≈ 0.84 kg 250 ml 23. —	1 lt 85. —
06453	Amberlite® LA-2	Liquid Ion exchanger; second amine type	1 lt ≈ 0.83 kg 250 ml 23. —	1 lt 85. —
06454	Amberlite® LA-3	Liquid Ion exchanger; primary amine type	1 lt ≈ 0.83 kg 250 ml 23. —	1 lt 85. —
06423	Amberlyst® 15	H ⁺ -Form; strong acid	250 g 22. —	1 kg 80. —
06424	Amberlyst® A-21	weak base; mesh size 0.4-0.55 mm	250 g 22. —	1 kg 80. —
06425	Amberlyst® A-26	20-50 mesh; Cl ⁻ -Form; for removal of inhibitors from stabilized monomers	250 g 18. —	1 kg 65. —
06426	Amberlyst® A-27	20-50 mesh; Cl ⁻ -Form	250 g 20. —	1 kg 70. —
® Amberlite and Amberlyst reg. TM of Rohm & Haas, Phila., Pa.				

Amberlite and Amberlyst see next pages for detail information

AMIDES (Alkanamides)

- Amide C₁** see 47670 Formamide
- Amide C₂** see 00160 Acetamide
- Amide C₃** see 81930 Propionamide
- Amide C₄** see 19240 Butyramide
- Amide C₅** see 80902 Pivalamide
- Amide C₈** see 21680 Caprylamide
- Amide C₁₈** see 85702 Stearamide

- 1-Amidino-3,5-dimethylpyrazole nitrate** see 41545 3,5-Dimethyl-1-pyrazolylformamidinium nitrate
- Amidoblack 10 B** see 70490 Naphthol Blue Black B
- Amidosulfonic acid** see 86040 Sulfamic acid

PRIMARY AMINES (Alkanamines)

- Amine C₁** see 65568 Methylamine
- Amine C₂** see 02940 Ethylamine
- Amine C₃** see 82100 Propylamine
 - see 59320 Isopropylamine
- Amine C₄** see 19480 Butylamine
 - see 19500, 19520 and 58480 sec-, tert- and Isobutylamine
- Amine C₅** see 77060 Pentylamine
 - see 09093 2-Aminopentane
 - see 59102 1-Amino-3-methylbutane
 - see 41529 and 41530 1,1- and 2,2-Dimethylpropylamine
- Amine C₆** see 53130 Hexylamine
- Amine C₇** see 51960 Heptylamine
 - see 08050 and 08052 2- and 3-Aminoheptane
 - see 08490 2-Amino-5-methylhexane
 - see 07835 1-Isopropyl-2-methylpropylamine

"GEL" TYPE AMBERLITE ION EXCHANGE RESINS

Grade matrix structure	Ionic forms available	Densities (wet)		Shipping weight lbs/cu ft.	Effective size (mm)	Moisture content (%)	pH range	Maximum operating temp. (°C)	Total exchange capacity (a) Kgrs CaCO ₃ /ft. ³ (b) meq./ml wet	Swelling (%) Typical values based on complete conver- sion
		apparent gms/cc	true gms/cc							
Strongly acidic cation exchanger - sulfonic acid functionality										
06428 Amberlite IR-120 plus Styrene-DVB	Sodium or Hydrogen	0.85	1.26	53	0.47- 0.62	44-48	0-14	121	(a) 41.4 (b) 1.9	Na ⁺ →H ⁺ 5-7
Weakly acidic cation exchanger - carboxylic functionality										
06462 Amberlite IRC-84 Acrylic-DVB	Hydrogen	0.75	1.19	47	0.38- 0.46	43-50	4-14	121	(a) 76.3 (b) 3.5	H ⁺ →Na ⁺ 60-70 H ⁺ →Ca ⁺⁺ 20-30
Strongly basic anion exchanger - quaternary ammonium functionality										
06431 Amberlite IRA-400 Styrene-DVB	Chloride	0.71	1.11	44	0.38- 0.45	42-48	0-14 0-14	60 (OH) 76 (Cl)	(a) 30.5 (b) 1.4	Cl ⁻ →OH ⁻ 18-22
06432 Amberlite IRA-401 Styrene-DVB	Chloride	0.69	1.06	43	0.40- 0.50	59-65	0-14	60 (OH) 76 (Cl)	(a) 17.4 (b) 0.8	Cl ⁻ →OH ⁻ 5-10
06433 Amberlite IRA-410 Styrene-DVB	Chloride	0.71	1.12	44	0.37- 0.44	38-44	0-14	40.5 (OH) 76 (Cl)	(a) 29.4 (b) 1.35	Cl ⁻ →OH ⁻ 10-15
Monobed [®] resin - mixture of strongly acidic and strongly basic										
06439 Amberlite MB-3 Styrene-DVB Indicator dyed	Hydrogen and Hydroxide	0.69	-	43	0.38- 0.60	50-60	0-14	40.5	Column Cap. 12.0 Kgrs CaCO ₃ /ft. ³ (min.)	-

MACRORETICULAR AMBERLITE ION EXCHANGE RESINS

Grade matrix structure	Ionic forms available	Densities (wet)		Shipping weight lbs/cu ft.	Effective size (mm)	Moisture content (%)	pH range	Maximum operating temp. (°C)	Total exchange capacity (a) Kgrs CaCO ₃ /ft. ³ (b) meq./ml wet
		apparent gms/cc	true gms/cc						
Weakly acidic cation exchanger – carboxylic functionality									
06429 Amberlite IRC-50 Methacrylic acid-DVB	Hydrogen	0.69	1.25	43	0.33-0.50	43-53	5-14	121	(a) 76.3 (b) 3.5
Weakly basic anion exchanger – polystyrene polyamine functionality									
06441 Amberlite IRA-93 Styrene-DVB	Free Base	0.61	1.04	38	0.40-0.50	46-54	0-9	100	(a) 29.6 (b) 1.25

Definition of Gel-Type Resins - The gel-type resins of the styrene DVB type date Back to 1947. These materials do not contain any true porosity. Ions to be exchanged must diffuse through the gel structure to the exchange sites. The intermolecular distances which will limit the size of the ion that can migrate through the gel is often referred to as the apparent porosity. Even in low crosslinked gel-type resins, the apparent porosity is usually no greater than 40 Angstrom units. There are hundreds of thousands of installations in operation in the field with these materials.

Remarks	Application
Premium quality conventional strongly acidic cation exchange resin with 8% DVB by weight. Light in color and contains a high perfect bead content free of cracks and crazes. The quality of this resin is such that it can be used in standard operations as well as where there is a need for a premium grade gel cation exchange resin.	Water conditioning (water softening, deionization, split-stream dealkalization, etc.); separation of rare earths; separation of amino acids; chemical processing, etc.).
Has a pK value of 5.3* and will split the alkaline metal salts of monovalent cations as well as those of multivalent cations. (* This is an approximate value and is with respect to sodium in a 1 molar solution.)	Water conditioning (dealkalization, caustic scavenging, deionization, etc.).
Standard crosslinkage; usually used for the treatment of waters which are essentially free of organic materials that might be irreversibly held by the resin.	Water conditioning (deionization including silica reduction, desilicizing, deoxygenating, etc.); uranium recovery, removal of weakly acidic contaminants from process streams and chemical processing.
This material has a particularly high decolorizing capacity and is widely used in decolorizing of sugar syrups.	Sugar decolorizing and deashing; organic acid and antibiotic recovery, and/or decolorization.
Type II resin (dimethyl ethanolamine functionality) of slightly lower basicity than Amberlit IRA-400 or Amberlit IRA-402, with higher regeneration efficiency. Because of its slightly lower basicity, it is less effective in the removal of silica water.	Water conditioning (deionization, dealkalization).
This Monobed resin system contains dyed Amberlite IRA-410 (OH), a strongly basic anion exchange resin that will give high quality water where maximum silica removal is not required. Endpoint can be monitored visually.	Deionization in cartridge-type units where is necessary to determine exhaustion of the resin by visual color change.

Definition of Macroreticular - The first macroreticular resin was placed into field service in 1959. These resins can best be described by comparing them with a small ball of tough, rigid sponge having large discrete pores. An average pore diameter of 1300 Angstrom units is not unusual. Macroreticular resins offer a number of advantages over the conventional gel-type resins. First of all, the large discrete pores mean that high molecular weight ions can be more completely removed from solution and more completely eluted from the resin on regeneration than would be the case with other materials. Secondly, the open structure of the macroreticular resins permits the use of tough copolymers which would be too dense to effectively act as ion exchange resins if they were used in a strictly gel-type system. Although the macroreticular resins, on the whole, do have a somewhat lower capacity than the gel-type resins, this is often offset by the longer operating life of the macroreticular resins or the fact they will effect removals not possible by the gel-type resins.

Relative pore volume	Relative surface area	Relative pore dia. (av)	Reversible Swelling (%) Typical values Based on complete conversion	Remarks	Application
1	1	3	H ⁺ →Na ⁺ 75-100 H ⁺ →Ca ⁺⁺ 30-40	Has a pK value of 6.1* and will selectively adsorb organic bases such as basic antibiotics, alkaloids, peptides amino acids, and metals present in an alkaline solution. (* This is an approximate value and is with respect to sodium in a 1 molar solution.)	Antibiotic purification and recovery; copper and nickel recovery.
3	2	4	FB ⁻ →Cl ⁻ 23-28	Has excellent resistance to oxidation. Also, has high exchange capacity and exceptional resistance to organic fouling. Often used because of the long operating life that can be expected.	Deacidification, deionization of water (where the removal of strong mineral and organic acids is desired) and deionization of process liquors. Performance of this resin is outstanding in the removal of organic materials from surface water supplies. Sugar de-ashing and decolorization.

Amberlite polymeric adsorbents

Grade	Chemical nature	Porosity volume, %	True wet density, g/cc	Surface area m ² /g	Ave. pore diam. Angstroms	Skeletal density g/cc	Mesh size	Comments
06443 XAD-2	Polystyrene	42	1.02	330	90	1.07	20-50	Phenol removal, antibiotic recovery
06444 XAD-4	Polystyrene	51	1.02	750	50	1.07	20-50	Phenol and pesticide residues
06445 XAD-7	Acrylic ester	55	1.05	450	80	1.07	20-50	Dye wastes, antibiotic recovery
06446 XAD-8	Acrylic ester	52	1.09	140	250	1.07	20-50	Treatment of paper pulp mill wastes

Chromatographic grade Amberlite ion exchange resins

Grade	Mesh size	Type	Application
CG-50 06435 06448	100-200 200-400	weakly acidic	Column chromatography for separation of closely similar materials; inorganic separations, rare earths, organic bases, amino acids, B vitamins, antibiotics, etc.
CG-120 06436 06449	100-200 200-400	strongly acidic	
CG-400 06438 06451	100-200 200-400	strongly basic	

Liquid grade Amberlite ion exchange resins

High molecular weight, oil soluble, water insoluble, liquid primary and secondary amines. These amines are readily soluble in hydrocarbons and are usually employed as 5 to 40% solutions in hydrocarbons.	Grade	Amine type	Molecular weight	Neutral equiv.	Capacity		Viscosity 25°C, mPa.s	Density g/ml	25°C lb/gal	Solubility (ppm)
	06452 LA-1	Second.	351-393	370-400	2.5-2.7	2.1-2.3	72	0.84	7.0	15-20
	06453 LA-2	Second.	353-395	360-380	2.6-2.8	2.2-2.3	18	0.83	6.9	0
	06454 LA-3	Primary	300	326	3.3	3.0	13	0.83	6.9	20-50

Application - Extraction of anions and anionic complexes from acidic or neutral aqueous solutions in metallurgical and pharmaceutical industries by counter-current or mixer-settler techniques. Amberlite LA-3 shows unique properties for conversion of salts to corresponding alkalies in the presence of CO₂. This allows it to be used for desalting brackish waters in addition to alkali and inorganic salt production.

Macroreticular Amberlyst[®] ion exchange resins

Amberlyst resins are macroreticular ion exchange resins designed for non-aqueous applications. They have unusually high porosity and surface area, which exposes more of the ionic groups of an ion exchange resin in a non-aqueous system than is possible with a gel-type resin. The Amberlyst resins find many applications such as catalysis, ion exchange, and adsorption processes in non-aqueous or partially aqueous solutions. A description of the Amberlyst resins is given below.

Grade	Type	Functional structure	Physical form	Maximum operating temperature	Moisture content (%) (as shipped)	Surface area sq.m/gm	Porosity %	Ion exchange capacity		Applications
								meq/gm	meq/ml	
06423 15	Strongly acidic cation exchange	-SO ₃ -H ⁺	Beads	120°C	<3.0	45	32	4.6	1.8	Catalysis of organic reactions in non-aqueous solutions cation removal
06424 A21	Weakly basic anion exchange	-N(CH ₃) ₂	Beads	100°C	45	25	48	4.8	1.3	Deacidification of non-aqueous solutions
06425 A26	Type I strongly basic anion exchange	-N(CH ₃) ₃ ⁺ Cl ⁻	Beads	60°C (OH) 76°C (Cl)	61	28	27	4.4	1.0	Removal of anions from non-aqueous solutions
06426 A27	Type I strongly basic anion exchange	-N(CH ₃) ₃ ⁺ Cl ⁻	Beads	60°C (OH) 76°C (Cl)	45	65	51	2.6	0.7	Removal of anions from non-aqueous solutions. Base catalysis
06427 A29	Type I strongly basic anion exchange	-N(CH ₃) ₄ ⁺ Cl ⁻	Beads	40°C (OH) 60°C (Cl)	42-46	40-50	-	2.7-3.1	1.0-1.2	Macroreticular resin and especially useful in non-aqueous non polar media

sFr.

sFr.

Amine C₈ see 74990 Octylamine

see 75000 tert-Octylamine

see 09040 2-Aminooctane

see 08470 2-Amino-6-methylheptane

see 04080 2-Ethyl-1-hexylamine

Amine C₉ see 74400 Nonylamine**Amine C₁₀** see 30680 Decylamine**Amine C₁₁** see 94200 Undecylamine**Amine C₁₂** see 44170 Dodecylamine**Amine C₁₃** see 91590 Tridecylamine**Amine C₁₄** see 87200 Tetradecylamine**Amine C₁₅** see 76590 Pentadecylamine**Amine C₁₆** see 52300 Hexadecylamine**Amine C₁₈** see 74752 Octadecylamine**Aminoacetaldehyde diethyl acetal** (2,2-Diethoxyethylamine)3/4; 56° NH₂CH₂CH(OC₂H₅)₂ C₆H₁₅NO₂ M_r 133.19 [645-36-3]06570 purum ~98%; B.P. 160-163°; d₄²⁰ 0.916; n_D²⁰ 1.418 1 lt ≈ 0.92 kg 25 ml 20.— 100 ml 70.—**Aminoacetaldehyde dimethyl acetal** (2,2-Dimethoxyethylamine)3/3; 44° NH₂CH₂CH(OCH₃)₂ C₄H₁₁NO₂ M_r 105.14 [22483-09-6]06579 purum >97%(NT); M.P. 135-138°; d₄²⁰ 0.973; n_D²⁰ 1.417 1 lt ≈ 0.97 kg 25 ml 20.— 100 ml 70.—**4-Aminoacetanilide** [N-Acetyl-p-phenylenediamine; N-(4-Aminophenyl)acetamide]CH₃CONHC₆H₄NH₂ C₈H₁₀N₂O M_r 150.18 [122-80-5]

06590 puriss. ~99%(NT); M.P. 162-164° 100 g 30.— 500 g 125.—

06600 techn. ~70%(NT); M.P. 158-162° 250 g 16.— 1 kg 55.—

06605 **Aminoacetonitrile hydrochloride** purum >98%(N); M.P. 166-167° 100 g 18.— 500 g 75.—6.1/21 NH₂CH₂CN.HCl C₂H₄N₂.HCl M_r 92.53 [6011-14-9]06610 **Aminoacetonitrile hydrogensulfate** pract. ~97%(T); M.P. 120-125° 25 g 10.— 100 g 32.—6.1/21 NH₂CH₂CN.H₂SO₄ C₂H₄N₂.H₂SO₄ M_r 154.14 [151-63-3]**2-Aminoacetophenone** (under nitrogen)CH₃COC₆H₄NH₂ C₈H₉NO M_r 135.17 [551-93-9]06620 purum >98%(GC); B.P. 252-255°; d₄²⁰ 1.118; n_D²⁰ 1.614 1 lt ≈ 1.12 kg 10 ml 12.— 50 ml 50.—06630 **3-Aminoacetophenone** pract. >97%(NT); M.P. 95-98°; Ash <2% 100 g 20.— 500 g 85.—CH₃COC₆H₄NH₂ C₈H₉NO M_r 135.17 [99-03-6]**4-Aminoacetophenone**CH₃COC₆H₄NH₂ C₈H₉NO M_r 135.17 [99-92-3]

06640 purum p.a. >98%(NT); M.P. 104-106° 25 g 8.— 100 g 25.— 500 g 105.—

ω-Aminoacetophenone hydrochloride see 77445 Phenacylamine hydrochloride**Aminoacetic acid** see 50050 Glycine**Amino Acids see "Amino Acids and Derivatives" green section**09416 **21-L-Aminoacids + Glycine** puriss. biochim. Set containing 1 g of each 75.—

L-Alanine, L-Arginine monohydrochloride, L-Asparagine, L-Aspartic acid,
 L-Cysteine, L-Cystine, L-Glutamic acid, L-Glutamine, Glycine,
 L-Histidine monohydrochloride, L-4-Hydroxyproline, L-Isoleucine, L-Leucine,
 L-Lysine monohydrochloride, L-Methionine, L-Phenylalanine,
 L-Proline monohydrochloride, L-Serine, L-Threonine, L-Tryptophan,
 L-Tyrosine, L-Valine

09420 **Amino acid phenylthiohydantoins** (PTH-Amino acids) Set containing 100 mg of each 75.—

as reference standard for the structural analysis of peptides.

L-Alanine, L-Arginine hydrochloride, L-Asparagine, L-Aspartic acid,
 Carboxymethyl-L-cysteine, L-Cysteic acid Sodium salt, L-Glutamine,
 L-Glutamic acid, Glycine, L-Histidine, L-Isoleucine, L-Leucine, L-Methionine,
 L-Phenylalanine, L-Proline, ε-PTC-L-Lysine, L-Serine, L-Threonine,
 L-Tryptophan, L-Tyrosine, L-Valine

			sFr.	sFr.
09422	Amino acid 4-bromophenylthiohydantoins [PTH(Br)-Amino acids] For sequential analysis; store in refrigerator PTH(Br)-L-Alanine, PTH(Br)-L-Arginine-hydrochloride, PTH(Br)-L-Aspartic acid, PTH(Br)-L-Asparagine, PTH(Br)-L-Cysteic acid Sodium salt, PTH(Br)-Carboxymethyl-L-cysteine, PTH(Br)-L-Glutamic acid; PTH(Br)-L-Glutamine; PTH(Br)-Glycine, PTH(Br)-L-Histidine, PTH(Br)-L-Leucine, PTH(Br)-L-Isoleucine, PTH(Br)-L-Lysine (PTC), PTH(Br)-L-Methionine, PTH(Br)-L-Phenylalanine, PTH(Br)-L-Proline, PTH(Br)-L-Serine, PTH(Br)-L-Threonine, PTH(Br)-L-Tryptophan, PTH(Br)-L-Tyrosine, PTH(Br)-L-Valine		Set containing 50 mg of each	75. —
09424	Amino acid 4-chlorophenylthiohydantoins [PTH(Cl)-Amino acids] For sequential analysis; store in refrigerator PTH(Cl)-L-Alanine, PTH(Cl)-L-Arginine-hydrochloride, PTH(Cl)-L-Aspartic acid, PTH(Cl)-L-Asparagine, PTH(Cl)-L-Cysteic acid Sodium salt, PTH(Cl)-Carboxymethyl-L-cysteine, PTH(Cl)-L-Glutamic acid, PTH(Cl)-L-Glutamine, PTH(Cl)-Glycine, PTH(Cl)-L-Histidine, PTH(Cl)-L-Isoleucine, PTH(Cl)-L-Leucine, PTH(Cl)-L-Lysine (PTC), PTH(Cl)-L-Methionine, PTH(Cl)-L-Phenylalanine, PTH(Cl)-L-Proline, PTH(Cl)-L-Serine, PTH(Cl)-L-Threonine, PTH(Cl)-L-Tryptophan, PTH(Cl)-L-Tyrosine, PTH(Cl)-L-Valine		Set containing 50 mg of each	75. —
09426	Amino acid 4-fluorophenylthiohydantoins [PTH(F)-Amino acids] For sequential analysis; store in refrigerator PTH(F)-L-Alanine, PTH(F)-L-Arginine hydrochloride, PTH(F)-L-Aspartic acid, PTH(F)-L-Asparagine, PTH(F)-L-Cysteic acid Sodium salt, PTH(F)-Carboxymethyl-L-cysteine, PTH(F)-L-Glutamic acid, PTH(F)-L-Glutamine, PTH(F)-Glycine, PTH(F)-L-Histidine, PTH(F)-L-Isoleucine, PTH(F)-L-Leucine, PTH(F)-L-Lysine (PTC), PTH(F)-L-Methionine, PTH(F)-L-Phenylalanine, PTH(F)-L-Proline, PTH(F)-L-Serine, PTH(F)-L-Threonine, PTH(F)-L-Tryptophan, PTH(F)-L-Tyrosine, PTH(F)-L-Valine		Set containing 50 mg of each	75. —
06650	9-Aminoacridine hydrochloride Monohydrate purum B.P. ~98.5%(Cl) $C_{13}H_{10}N_2 \cdot HCl \cdot H_2O$ M_r 148.71 [52417-22-8]	10 g 10. —	50 g 37. —	250 g 135. —
	1-Aminoadamantane hydrochloride (1-Adamantanamine hydrochloride) $C_{10}H_{17}N \cdot HCl$ M_r 187.72 [10523-68-9]			
06651	purum >99%(Cl); M.P. >300°; Ash <0.05%		10 g 20. —	50 g 85. —
	2-Amino-3-(2-aminobenzoyl)propionic acid see 61250 DL-Kynurenine			
	2-, 3- and 4-Aminoanisole see 10460, 10480 and 10490 o-, m- and p-Anisidine			
06770	1-Aminoanthraquinone pract. ~98%(N); M.P. 249-251° $NH_2C_6H_3COC_6H_4CO$ $C_{14}H_9NO_2$ M_r 223.23 [82-45-1]		100 g 11. —	500 g 46. —
	2-Aminoanthraquinone $NH_2C_6H_3COC_6H_4CO$ $C_{14}H_9NO_2$ M_r 223.23 [117-79-3]			
06790	pract. ~95%; M.P. ~295° dec.; containing <2% 2-Chloro anthraquinone		100 g 11. —	500 g 44. —
	4-Aminoantipyrene (4-Amino-2,3-dimethyl-1-phenyl-3-pyrazolin-5-one; 4-Amino-phenazone) $CH_3NN(C_6H_5)COC(NH_2)CCH_3$ $C_{11}H_{13}N_3O$ M_r 203.25 [83-07-8]			
06800	purum >98%(NT); M.P. 107-109°	25 g 7. —	100 g 18. —	500 g 75. —
	6-Amino-8-azapurine see 11370 8-Azaadenine			
	4-Aminoazobenzene [C.I. Nr. 11000] (Phenylazoaniline) 6.1/21 $C_6H_5N:NC_6H_5$ $C_{12}H_{11}N_3$ M_r 197.24 [60-09-3]			
06810	puriss. ~99%(NT); M.P. 124-125°		25 g 9. —	100 g 30. —
06820	pract. ~98%; M.P. 118-122°		250 g 22. —	1 kg 80. —
06830	4-Aminoazobenzene hydrochloride techn. ~85% $C_6H_5N:NC_6H_5 \cdot HCl$ $C_{12}H_{11}N_3 \cdot HCl$ M_r 233.70		250 g 12. —	1 kg 40. —
	2-Aminobenzaldehyde $NH_2C_6H_4CHO$ C_7H_7NO M_r 121.14 [529-23-7]			
06850	purum >98%(N); M.P. 37-39°; slightly polymerized; store in refrigerator		1 g 14. —	5 g 60. —
06860	3-Aminobenzaldehyde techn. polymer; ~60-80%(NT)		100 g 18. —	500 g 75. —
	2-Aminobenzamide see 10710 Anthranilic acid amide			

			sFr.	sFr.
07000	3-Aminobenzenesulfonamide pract. M.P. 138-140° $\text{NH}_2\text{C}_6\text{H}_4\text{SO}_2\text{NH}_2$ $\text{C}_6\text{H}_7\text{N}_2\text{O}_2\text{S}$ M_r 172.21 [98-18-0]		250 g 24. —	1 kg 90. —
	2-Aminobenzenesulfonic acid see 75520 Orthanilic acid			
	4-Aminobenzenesulfonic acid see 86090 Sulfanilic acid			
	2- and 4-Aminobenzenethiol see 09489 and 09493 2- and 4-Aminothiophenol			
	2-Aminobenzimidazole (2-Benzimidazolamine) $\text{C}_8\text{H}_8\text{NHC}(\text{NH}_2):\text{N}$ $\text{C}_7\text{H}_7\text{N}_3$ M_r 133.15 [934-32-7] purum >98%(NT); M.P. 228-231°		10 g 20. —	50 g 85. —
06900	2-Aminobenzoic acid see 10680 Anthranilic acid			
06920	3-Aminobenzoic acid purum >98%(NT); M.P. 169-172° $\text{NH}_2\text{C}_6\text{H}_4\text{COOH}$ $\text{C}_7\text{H}_7\text{NO}_2$ M_r 137.14 [99-05-8]		100 g 10. —	500 g 40. —
	4-Aminobenzoic acid (PABA) $\text{NH}_2\text{C}_6\text{H}_4\text{COOH}$ $\text{C}_7\text{H}_7\text{NO}_2$ M_r 137.14 [150-13-0] puriss. ~99%(NT); M.P. 186-188° purum >97%(NT); M.P. 186-188°		100 g 14. — 250 g 18. —	500 g 60. — 1 kg 50. —
06930				
06940				
06980	3-Aminobenzoic acid hydrochloride puriss. >99%(Cl); M.P. 260-280° dec. $\text{NH}_2\text{C}_6\text{H}_4\text{COOH} \cdot \text{HCl}$ $\text{C}_7\text{H}_7\text{NO}_2 \cdot \text{HCl}$ M_r 173.61 [15151-51-6]		25 g 18. —	100 g 65. —
07001	2-Aminobenzonitrile purum >98%(N); M.P. 45-48° (Anthranilonitrile) 6.1/21 $\text{NH}_2\text{C}_6\text{H}_4\text{CN}$ $\text{C}_7\text{H}_6\text{N}_2$ M_r 118.14 [1885-29-6]		50 g 17. —	250 g 70. —
07002	3-Aminobenzonitrile purum ~98%(NT); M.P. 50-52° 6.1/21 $\text{NH}_2\text{C}_6\text{H}_4\text{CN}$ $\text{C}_7\text{H}_6\text{N}_2$ M_r 118.14 [2237-30-1]		10 g 18. —	50 g 75. —
07010	4-Aminobenzonitrile purum ~98%(NT); M.P. 83-85° 6.1/21 $\text{NH}_2\text{C}_6\text{H}_4\text{CN}$ $\text{C}_7\text{H}_6\text{N}_2$ M_r 118.14 [873-74-5]		5 g 10. —	25 g 40. —
	2-Aminobenzophenone (2-Aminophenyl phenyl ketone; 2-Benzoylaniline) $\text{C}_6\text{H}_5\text{COC}_6\text{H}_4\text{NH}_2$ $\text{C}_{13}\text{H}_{11}\text{NO}$ M_r 197.24 [2835-77-0] purum >98%(NT); M.P. 103-107°		50 g 18. —	250 g 75. —
07020				
	4-Aminobenzophenone (4-Aminophenyl phenyl ketone; 4-Benzoylaniline) $\text{C}_6\text{H}_5\text{COC}_6\text{H}_4\text{NH}_2$ $\text{C}_{13}\text{H}_{11}\text{NO}$ M_r 197.24 [1137-41-3] pract. ~97%(NT); M.P. 119-122°		5 g 24. —	25 g 100. —
07030				
	2-Aminobenzothiazole (2-Benzothiazolamine) $\text{C}_8\text{H}_8\text{SC}(\text{NH}_2):\text{N}$ $\text{C}_7\text{H}_6\text{N}_2\text{S}$ M_r 150.20 [136-95-8] purum p.a. >98%(NT); M.P. 126-129°; Z. anal. Chem. 261, 41 (1972); Selective reagent for extraction of Hg		25 g 8. —	100 g 25. — 500 g 105. —
07090				
	2-Aminobenzotrifluoride (2-Trifluoromethylaniline; α, α, α -Trifluoro-o-toluidine) 6.1/61a $\text{NH}_2\text{C}_6\text{H}_4\text{CF}_3$ $\text{C}_7\text{H}_6\text{F}_3\text{N}$ M_r 161.13 [88-17-5] purum ~97%(GC); M.P. -30--28°; B.P. 174-176°; d_4^{20} 1.296; n_D^{20} 1.481	1 lt ≈ 1.30 kg	100 ml 22. —	500 ml 90. —
07040				
	3-Aminobenzotrifluoride (3-Trifluoromethylaniline; α, α, α -Trifluoro-m-toluidine) 6.1/61a $\text{NH}_2\text{C}_6\text{H}_4\text{CF}_3$ $\text{C}_7\text{H}_6\text{F}_3\text{N}$ M_r 161.13 [98-16-8] pract. ~95%(GC); B.P. 188-190°; d_4^{20} 1.295; n_D^{20} 1.480	1 lt ≈ 1.30	100 ml 11. —	500 ml 44. —
07060				
	4-Aminobenzotrifluoride (4-Trifluoromethylaniline; α, α, α -Trifluoro-p-toluidine) 6.1/61a $\text{NH}_2\text{C}_6\text{H}_4\text{CF}_3$ $\text{C}_7\text{H}_6\text{F}_3\text{N}$ M_r 161.13 [455-14-1] pract. >90%(GC); M.P. 3-8°; d_4^{20} 1.310; n_D^{20} 1.488	1 lt ≈ 1.31 kg	5 ml 34. —	25 ml 145. —
07071				
	N-(4-Aminobenzoyl)-L-glutamic acid $\text{NH}_2\text{C}_6\text{H}_4\text{CONHCH}(\text{COOH})\text{CH}_2\text{CH}_2\text{COOH}$ $\text{C}_{12}\text{H}_{14}\text{N}_2\text{O}_5$ M_r 266.26 [4271-30-1] puriss. ~99%(NT); M.P. ~170° dec.; $[\alpha]_{540}^{20} -17 \pm 0.5^\circ$; $[\alpha]_D^{20} -15 \pm 0.5^\circ$ (c=2 in 0.1n HCl)		5 g 26. —	
07080				
	N-(4-Aminobenzoyl)glycine see 08090 4-Aminohippuric acid			
	2-Aminobenzyl alcohol [2-(Hydroxymethyl)aniline] $\text{NH}_2\text{C}_6\text{H}_4\text{CH}_2\text{OH}$ $\text{C}_7\text{H}_9\text{NO}$ M_r 123.16 [5344-90-1] puriss. >99%(T); M.P. 83-85°		5 g 32. —	25 g 135. —
07093				

				sFr.	sFr.
07095	4-Aminobenzyl alcohol purum >99%(NT); M.P. 59-61° (4-Hydroxymethyl-anilin) $\text{NH}_2\text{C}_6\text{H}_4\text{CH}_2\text{OH}$ $\text{C}_7\text{H}_9\text{NO}$ M_r 123.16 [623-04-1]			5 g 32.—	25 g 135.—
	2-Amino-3-benzyloxypropionic acid see 13900, 13910 and 13920 O-Benzyl-L-, -D- and -DL-serine				
	2-Aminobiphenyl (2-Biphenylamine; 2-Phenyl-aniline) 6.1/21 $\text{C}_6\text{H}_5\text{C}_6\text{H}_4\text{NH}_2$ $\text{C}_{12}\text{H}_{11}\text{N}$ M_r 169.23 [90-41-5] pract. >98%(NT); M.P. 47-50°			25 g 12.—	100 g 40.—
07110	4-Aminobiphenyl (4-Biphenylamine; 4-Phenylaniline) 6.1/21 $\text{C}_6\text{H}_5\text{C}_6\text{H}_4\text{NH}_2$ $\text{C}_{12}\text{H}_{11}\text{N}$ M_r 169.23 [92-67-1] purum >98%(NT); M.P. 53-55°; Human carcinogen			10 g 30.—	50 g 125.—
	2-Amino-5-bromotoluene (4-Bromo-2-methylaniline; 4-Bromo-o-toluidine) 6.1/21o $\text{NH}_2\text{C}_6\text{H}_3\text{BrCH}_3$ $\text{C}_7\text{H}_8\text{BrN}$ M_r 186.06 [853-75-5] purum >98%(NT); M.P. 56-58°			10 g 9.—	50 g 32.—
	4-Amino-3-bromotoluene (2-Bromo-4-methylaniline; 2-Bromo-p-toluidine) 6.1/21o $\text{NH}_2\text{C}_6\text{H}_3\text{BrCH}_3$ $\text{C}_7\text{H}_8\text{BrN}$ M_r 186.06 [583-68-6] purum >98%(GC); M.P. 18-20°; B.P. 240° (Lit.); d_4^{20} 1.484; n_D^{20} 1.603	1 lt $\approx$ 1.48 kg		10 ml 15.—	50 ml 63.—
07160	5-Amino-2-bromotoluene (4-Bromo-3-methylaniline; 4-Bromo-m-toluidine) 6.1/21o $\text{NH}_2\text{C}_6\text{H}_3\text{BrCH}_3$ $\text{C}_7\text{H}_8\text{BrN}$ M_r 186.06 [6933-10-4] purum >99%(NT); M.P. 79-81°			10 g 15.—	50 g 63.—
	1-Aminobutane see 19480 Butylamine				
	2-Aminobutane see 19500 sec-Butylamine				
	(±)-2-Amino-1-butanol racemic 3/4; 95° $\text{CH}_3\text{CH}_2\text{CH}(\text{NH}_2)\text{CH}_2\text{OH}$ $\text{C}_4\text{H}_{11}\text{NO}$ M_r 89.14 [13054-87-0] pract. $\sim$ 95%(GC); B.P. 179-183°; d_4^{20} 0.944; n_D^{20} 1.452	1 lt $\approx$ 0.94 kg		250 ml 31.—	1 lt 115.—
07176	S(+)-2-Amino-1-butanol $\text{CH}_3\text{CH}_2\text{CH}(\text{NH}_2)\text{CH}_2\text{OH}$ $\text{C}_4\text{H}_{11}\text{NO}$ M_r 89.14 [5856-62-2] purum >97%(GC); d_4^{20} 0.945; n_D^{20} 1.453; $[\alpha]_{546}^{20} + 14.0 \pm 1^\circ$; $[\alpha]_D^{20} + 12.5 \pm 1^\circ$ (c = 2 in Ethanol)	1 lt $\approx$ 0.94 kg		5 ml 60.—	
	R(-)-2-Amino-1-butanol 3/4; 74° $\text{CH}_3\text{CH}_2\text{CH}(\text{NH}_2)\text{CH}_2\text{OH}$ $\text{C}_4\text{H}_{11}\text{NO}$ M_r 89.14 [5856-63-3] purum >97%(GC); d_4^{20} 0.943; n_D^{20} 1.452; $[\alpha]_{546}^{20} - 11 \pm 2^\circ$ (c = 2 in Ethanol); $\text{H}_2\text{O} \sim 2\%$	1 lt $\approx$ 0.94 kg		100 ml 11.—	500 ml 46.—
07180	4-Amino-1-butanol $\text{HO}(\text{CH}_2)_4\text{NH}_2$ $\text{C}_4\text{H}_{11}\text{NO}$ M_r 89.14 [13325-10-5] purum $\sim$ 97%(GC); M.P. 16-18°; B.P. 96-100°; d_4^{20} 0.96; n_D^{20} 1.463	1 lt $\approx$ 0.96 kg		5 ml 32.—	25 ml 135.—
07191	L-2-Aminobutyric acid $\text{CH}_3\text{CH}_2\text{CH}(\text{NH}_2)\text{COOH}$ $\text{C}_4\text{H}_9\text{NO}_2$ M_r 103.12 [1492-24-6] puriss. >99%(NT); $[\alpha]_{546}^{20} + 25.0 \pm 1^\circ$ (c = 4.8 in 6n HCl)			1 g 15.—	5 g 63.—
07200	D-2-Aminobutyric acid purum >99%(NT); $[\alpha]_{546}^{20} - 25.0 \pm 1^\circ$ (c = 4.8 in 6n HCl) $\text{CH}_3\text{CH}_2\text{CH}(\text{NH}_2)\text{COOH}$ $\text{C}_4\text{H}_9\text{NO}_2$ M_r 103.12 [2623-91-3]			1 g 12.—	5 g 50.—
07210	DL-2-Aminobutyric acid puriss. >99%(NT); M.P. $\sim$ 300° dec. $\text{CH}_3\text{CH}_2\text{CH}(\text{NH}_2)\text{COOH}$ $\text{C}_4\text{H}_9\text{NO}_2$ M_r 103.12 [2835-81-6]			50 g 20.—	250 g 85.—
07220	DL-3-Aminobutyric acid puriss. CHR $\sim$ 99%(NT); F $\sim$ 185° dec. $\text{CH}_3\text{CH}(\text{NH}_2)\text{CH}_2\text{COOH}$ $\text{C}_4\text{H}_9\text{NO}_2$ M_r 103.12 [2835-82-7]			5 g 16.—	25 g 67.—
07230	4-Aminobutyric acid (GABA; Piperidinic acid) $\text{NH}_2(\text{CH}_2)_3\text{COOH}$ $\text{C}_4\text{H}_9\text{NO}_2$ M_r 103.12 [56-12-2] purum CHR >98%(NT); M.P. 200-205° dec.; Ash <0.05%			100 g 18.—	500 g 75.—
07240	2-Amino-4-butyrolactone hydrobromide purum >98%(Br); M.P. 220-223° $\text{NH}_2\text{CHCH}_2\text{CH}_2\text{OCO.HBr}$ $\text{C}_4\text{H}_7\text{NO}_2.\text{HBr}$ M_r 182.02 [6305-38-0]			5 g 20.—	25 g 85.—
07253	2-Aminocaproic acid see 74560, 74570 and 74580 L-, D- and DL-Norleucine				
	6-Aminocaproic acid (6-Aminohexanoic acid) 6.1/21 $\text{NH}_2(\text{CH}_2)_5\text{COOH}$ $\text{C}_6\text{H}_{13}\text{NO}_2$ M_r 131.18 [60-32-2] puriss. CHR >99%(NT); M.P. 207-209° dec.; Ash <0.05%; loss on drying <0.1%	100 g 7.—		500 g 24.—	1 kg 45.—
07260					

			sFr.	sFr.
	2-Aminocaprylic acid see 09050 2-Aminooctanoic acid			
	8-Aminocaprylic acid (8-Aminooctanoic acid) NH ₂ (CH ₂) ₇ COOH C ₉ H ₁₇ NO ₂ M _r 159.23 [1002-57-9] puriss. CHR >99%(T); M.P. ~190° dec.			
07280			1 g 12. —	5 g 50. —
	2-Amino-4-chloroanisole see 23420 4-Chloro-o-anisidine			
	2-Amino-4-chloroanisole diazotated Zinc double salt see 44750 Fast Red RC salt			
	4-Amino-6-chlorobenzene-1,3-disulfonamide see 23352 3-Chloroaniline-4,6-disulfonamide			
	1-Amino-5-chloro-2,4-dimethoxybenzene see 24310 5-Chloro-2,4-dimethoxyaniline			
07370	3-Amino-4-chlorobenzoic acid purum >98%(T); M.P. 214-216° NH ₂ C ₆ H ₃ ClCOOH C ₇ H ₆ ClNO ₂ M _r 171.58 [2840-28-0]		25 g 21. —	100 g 75. —
07402	2-Amino-5-chlorobenzonitrile purum >98%; M.P. 94-96° 6.1/21 NH ₂ C ₆ H ₃ ClCN C ₇ H ₅ ClN ₂ M _r 152.58 [5922-60-1]		25 g 21. —	100 g 75. —
07401	2-Amino-5-chlorobenzophenone purum ~97%(NT); M.P. 96-98° NH ₂ C ₆ H ₃ ClOCOC ₆ H ₅ C ₁₃ H ₁₀ ClNO M _r 231.68 [719-59-5]		100 g 22. —	500 g 90. —
07430	3-Amino-4-chlorobenzotrifluoride purum [2-Chloro-5-(trifluoromethyl)aniline] 1 lt ≈ 1.42 kg 6.1/21 NH ₂ C ₆ H ₃ ClCF ₃ C ₇ H ₅ ClF ₃ N M _r 195.57 [121-50-6]		100 ml 16. —	500 ml 67. —
	5-Amino-2-chlorobenzotrifluoride [4-Chloro-3-(trifluoromethyl)aniline] 6.1/21 NH ₂ C ₆ H ₃ ClCF ₃ C ₇ H ₅ ClF ₃ N M _r 195.57 [320-51-4]			
07440	pract. ~95%(NT); M.P. 35-37°; store in refrigerator		100 g 25. —	500 g 105. —
07445	2-Amino-4'-chlorodiphenylamine pract. >97%(NT); M.P. 117-120° NH ₂ C ₆ H ₄ NHC ₆ H ₄ Cl C ₁₂ H ₁₁ ClN ₂ M _r 218.69		100 g 35. —	
	8-Amino-2-(3-chloro-2-hydroxy-5-nitrophenylazo)-1-naphthol-3,6-disulfonic acid see 48310 Gallion			
	2-Amino-5-chloronitrobenzene see 25380 4-Chloro-2-nitroaniline			
	3-Amino-4-chloronitrobenzene see 25375 2-Chloro-5-nitroaniline			
	4-Amino-3-chloronitrobenzene see 25370 2-Chloro-4-nitroaniline			
	5-Amino-2-chloronitrobenzene see 25390 4-Chloro-3-nitroaniline			
	2-Amino-4-chlorophenol (5-Chloro-2-hydroxyaniline) 6.1/21 NH ₂ C ₆ H ₃ ClOH C ₆ H ₆ ClNO M _r 143.57 [95-85-2] pract. ~96%; M.P. 135-138°			
07520			100 g 10. —	500 g 40. —
07525	2-Amino-6-chloropurine purum >98%(NT) C ₅ H ₄ ClN ₅ M _r 169.57 [10310-21-1]		500 mg 24. —	
07530	2-Amino-5-chloropyridine purum >98%(NT); M.P. 135-137° N:CHCCl:CHCH:CNH ₂ C ₅ H ₅ ClN ₂ M _r 128.56 [1072-98-6]		10 g 10. —	50 g 42. —
07540	3-Amino-2-chloropyridine purum >98%(NT); M.P. 75-78°; store in refrigerator N:CClC(NH ₂):CHCH:CH C ₅ H ₅ ClN ₂ M _r 128.56 [6298-19-7]		10 g 16. —	50 g 67. —
	2-Amino-3-chlorotoluene see 25040 2-Chloro-6-methylaniline			
	2-Amino-4-chlorotoluene see 25090 5-Chloro-2-methylaniline			
	2-Amino-5-chlorotoluene see 25080 4-Chloro-2-methylaniline			
	2-Amino-6-chlorotoluene see 25060 3-Chloro-2-methylaniline			
	4-Amino-2-chlorotoluene see 25070 3-Chloro-4-methylaniline			
	4-Amino-3-chlorotoluene see 2-Chloro-4-methylaniline			
	4-Amino-m-cresol (2-Amino-5-hydroxytoluene; 4-Amino-3-methylphenol; 6.1/22a 4-Hydroxy-2-methylaniline) CH ₃ C ₆ H ₃ (OH)NH ₂ C ₇ H ₉ NO M _r 123.16 [2835-99-6] purum >98%(NT); M.P. 177-179°			
08329			50 g 20. —	250 g 85. —
	2-Amino-p-cresol (3-Amino-4-hydroxytoluene; 2-Amino-4-methylphenol; 6.1/22 2-Hydroxy-5-methylaniline) CH ₃ C ₆ H ₃ (OH)NH ₂ C ₇ H ₉ NO M _r 123.16 [95-84-1] pract. >95%(NT); M.P. 135-138			
08332			100 g 8. —	500 g 29. —

				sFr.	sFr.
07600	3-Aminocrotononitrile ("Diacetonitrile"; 3-Iminobutyronitrile) 6.1/21 $\text{CH}_3\text{C}(\text{NH}_2):\text{CHCN}$ $\text{C}_4\text{H}_6\text{N}_2$ M_r 82.11 [1118-61-2] pract. ~97%(NT); store in refrigerator			100 g 20. —	500 g 85. —
	o- and p-Aminocumene see 59365 and 59367 2- and 4-Isopropylaniline				
	Aminocyclobutane see 28697 Cyclobutylamine				
	Aminocycloheptane see 28890 Cycloheptylamine				
	Aminocyclohexane see 29300 Cyclohexylamine				
07620	4-Aminocyclohexanol 50% in water (4-Hydroxycyclohexylamine) $\text{CH}_2\text{CH}_2\text{CH}(\text{NH}_2)\text{CH}_2\text{CH}_2\text{CHOH}$ $\text{C}_6\text{H}_{13}\text{NO}$ M_r 115.18 [6850-65-3] purum d_4^{20} 1.041; n_D^{20} 1.423		1 lt $\approx$ 1.04 kg	50 ml 29. —	250 ml 120. —
07625	3-Amino-2-cyclohexen-1-one purum >99%(NT); M.P. 133-135° $\text{CH}:\text{C}(\text{NH}_2)\text{CH}_2\text{CH}_2\text{CH}_2\text{CO}$ $\text{C}_6\text{H}_9\text{NO}$ M_r 111.15 [5220-49-5]			5 g 34. —	25 g 145. —
	Aminocyclooctane see 29660 Cyclooctylamine				
	Aminocyclopentane see 29830 Cyclopentylamine				
	Aminocyclopropane see 29940 Cyclopropylamine				
	1-Aminodecane see 30680 Decylamine				
	10-Aminodecanoic acid lactam see 21405 Caprinolactam				
07628	6-Amino-6-deoxy-D-allose hydrochloride purum M.P. 147° dec. (Lit.) $\text{NH}_2\text{CH}_2\text{CH}(\text{CHOH})_4\text{O}.\text{HCl}$ $\text{C}_6\text{H}_{13}\text{NO}_5.\text{HCl}$ M_r 215.64			10 mg 25. —	50 mg 105. —
07630	3-Amino-3-deoxy-D-glucose hydrochloride purum M.P. 148° dec. (Lit.) $\text{HOCH}_2\text{CHCHOHCH}(\text{NH}_2)(\text{CHOH})_2\text{O}.\text{HCl}$ $\text{C}_6\text{H}_{13}\text{NO}_5.\text{HCl}$ M_r 215.64 [57649-10-2]			10 mg 25. —	50 mg 105. —
07632	6-Amino-6-deoxy-D-glucose hydrochloride purum M.P. 170-173° $\text{NH}_2\text{CH}_2\text{CH}(\text{CHOH})_4\text{O}.\text{HCl}$ $\text{C}_6\text{H}_{13}\text{NO}_5.\text{HCl}$ M_r 215.64 [55324-97-5]			10 mg 15. —	50 mg 63. —
07685	3-Amino-2,6-dichloropyridine pract. >97%(Cl) $\text{N}:\text{CCIC}(\text{NH}_2):\text{CHCH}:\text{CCl}$ $\text{C}_5\text{H}_4\text{Cl}_2\text{N}_2$ M_r 163.01			5 g 16. —	25 g 67. —
07700	2-Amino-4,6-dichloropyrimidine puriss. $\text{N}:\text{C}(\text{NH}_2)\text{N}:\text{CCICH}:\text{CCl}$ $\text{C}_4\text{H}_3\text{Cl}_2\text{N}_3$ M_r 164.00 [56-05-3]			1 g 9. —	5 g 32. —
	4-Amino-2,5-diethoxybenzanilide diazotated Zinc double salt see 44670 Fast Blue BB salt				
07641	4-Amino-1-diethylaminopentane (N' , N' -Diethyl-1,4-pentanediamine) 8/35 $\text{CH}_3\text{CH}(\text{NH}_2)(\text{CH}_2)_3\text{N}(\text{C}_2\text{H}_5)_2$ $\text{C}_9\text{H}_{22}\text{N}_2$ M_r 158.29 [140-80-7] purum B.P. 98-100°; d_4^{20} 0.821; n_D^{20} 1.443		1 lt $\approx$ 0.82 kg	100 ml 20. —	500 ml 85. —
07650	4-Amino-N,N-diethylaniline (N , N -Diethyl-p-phenylenediamine) 6.1/21h $(\text{C}_2\text{H}_5)_2\text{NC}_6\text{H}_4\text{NH}_2$ $\text{C}_{10}\text{H}_{16}\text{N}_2$ M_r 164.25 [93-05-0] purum ~97%(GC); M.P. 25-26.5°; B.P. 98-100°; store in refrigerator		1 lt $\approx$ 1.00 kg	25 ml 12. —	100 ml 40. —
07660	pract. dest. >90%(GC); M.P. 19-21°; B.P. 260-262° (Lit.)		1 lt $\approx$ 1.00 kg	100 ml 12. —	500 ml 50. —
07670	4-Amino-N,N-diethylaniline sulfate (N , N -Diethyl-p-phenylenediamine sulfate) 6.1/21h $(\text{C}_2\text{H}_5)_2\text{NC}_6\text{H}_4\text{NH}_2.\text{H}_2\text{SO}_4$ $\text{C}_{10}\text{H}_{16}\text{N}_2.\text{H}_2\text{SO}_4$ M_r 262.33 [6065-27-6] puriss. p.a. >99%(T)		25 g 7. —	100 g 11. —	500 g 46. —
	2-Amino-1,3-diethylbenzene see 31990 2,6-Diethylaniline				
07710	3-Amino-2,3-dihydro-benzoic acid hydrochloride ("Gabaculin") $\text{NH}_2\text{CHCH}:\text{CHCH}:\text{C}(\text{COOH})\text{CH}_2.\text{HCl}$ $\text{C}_7\text{H}_9\text{NO}_2.\text{HCl}$ M_r 175.62 [59556-17-1] purum; Irreversible inhibitor of bacterial pyridoxal phosphate linked γ -aminobutyric acid- α -ketoglutaric acid transaminase and substrate for γ -aminobutyric acid transaminase: R. R. Rando, Biochemistry 16, 4604 (1977)			50 mg 42. —	250 mg 175. —
	2-Amino-4,5-dihydro-3-furane carboxylic acid ethyl ester see 06660 2-Amino-3-ethoxycarbonyl-4,5-dihydrofuran				
	5-Amino-2,3-dihydro-1,4-phthalazinedione see 09253 3-Aminophthalhydrazide				
	2-Amino-4,6-dihydroxypteridine see 95511 Xanthopterin				

			sFr.	sFr.
	2-Amino-4,7-dihydroxypteridine see 59945 Isoxanthopterin			
	2-Amino-4,6-dihydroxypteridinyl-7-pyruvic acid see 45675 Erythropterin			
	4-Amino-2,6-dihydroxypyrimidine see 09630 4(6)-Aminouracil			
	5-Amino-2,4-dihydroxypyrimidine(5-2,6) see 09640 5-Aminouracil			
	4-Amino-N,N-dimethylaniline (N,N-Dimethyl-p-phenylenediamine) 6.1/21h $(\text{CH}_3)_2\text{NC}_6\text{H}_4\text{NH}_2$ $\text{C}_8\text{H}_{12}\text{N}_2$ M_r 136.20 [99-98-9]			
07750	purum >98%(GC); M.P. 36-38°; store in refrigerator	25 g	9. —	100 g 28. — 500 g 120. —
07760	pract. >96%(GC); M.P. 34-36°; store in refrigerator			100 g 20. — 500 g 85. —
	4-Amino-N,N-dimethylaniline dihydrochloride (N,N-Dimethyl-p-phenylenediamine dihydrochloride) 6.1/21h $(\text{CH}_3)_2\text{NC}_6\text{H}_4\text{NH}_2 \cdot 2\text{HCl}$ $\text{C}_8\text{H}_{12}\text{N}_2 \cdot 2\text{HCl}$ M_r 209.12 [536-46-9]			
07770	puriss. p.a. >99%(T); M.P. 210-215° dec.		25 g 14. —	100 g 50. —
07780	4-Amino-N,N-dimethylaniline sulfate puriss. p.a. >99%(S) 6.1/21h $(\text{CH}_3)_2\text{NC}_6\text{H}_4\text{NH}_2 \cdot \text{H}_2\text{SO}_4$ $\text{C}_8\text{H}_{12}\text{N}_2 \cdot \text{H}_2\text{SO}_4$ M_r 234.28 [536-47-0]		25 g 24. —	100 g 90. —
	4-Amino-2',3-dimethylazobenzene diazotate see 44710 Fast Garnet GBC salt			
	1-Amino-2,3-dimethylbenzene see 39460 2,3-Dimethylaniline			
	1-Amino-2,4-dimethylbenzene see 39480 2,4-Dimethylaniline			
	1-Amino-3,5-dimethylbenzene see 39550 3,5-Dimethylaniline			
	2-Amino-1,3-dimethylbenzene see 39520 2,6-Dimethylaniline			
	2-Amino-1,4-dimethylbenzene see 39500 2,5-Dimethylaniline			
	4-Amino-1,2-dimethylbenzene see 39540 3,4-Dimethylaniline			
	2-Amino-1,7-dimethyl-6-hydroxypurine 40401 1,7-Dimethylguanine			
07826	5-Amino-3,4-dimethylisoxazole purum >98%(NT); M.P. 120-125° $\text{QN:C}(\text{CH}_3)\text{C}(\text{CH}_3):\text{CNH}_2$ $\text{C}_5\text{H}_9\text{N}_2\text{O}$ M_r 112.13 [19947-75-2]		100 g 11. —	500 g 46. —
	6-Amino-3,3-dimethyl-7-oxo-4-thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid see 09070 6-Aminopenicillanic acid			
	3-Amino-2,4-dimethylpentane see 07835 1-Isopropyl-2-methylpropylamine			
	6-Amino-2,4-dimethylphenol (6-Amino-2,4-xlenol) $(\text{CH}_3)_2\text{C}_6\text{H}_2(\text{OH})\text{NH}_2$ $\text{C}_8\text{H}_{11}\text{NO}$ M_r 137.18 [41458-65-5]			
09670	pract. >95%(NT); M.P. 137-139°; $\text{H}_2\text{O} \sim 1\%$		10 g 20. —	50 g 85. —
	4-Amino-2,3-dimethyl-1-phenyl-3-pyrazolin-5-one see 06800 4-Aminoantipyrine			
	1-Amino-2,2-dimethylpropane see 41530 2,2-Dimethylpropylamine			
07840	2-Amino-4,6-dimethylpyridine (6-2,4) pract. >95%(NT); M.P. 61-67° $\text{N:C}(\text{NH}_2)\text{CH:C}(\text{CH}_3)\text{CH:CCH}_3$ $\text{C}_7\text{H}_{10}\text{N}_2$ M_r 122.17 [5407-87-4]		100 g 45. —	
	2-Amino-4,6-dimethylpyrimidine (Acetylacetoneguanidine) $\text{N:C}(\text{NH}_2)\text{N:C}(\text{CH}_3)\text{CH:CCH}_3$ $\text{C}_6\text{H}_9\text{N}_3$ M_r 123.16 [767-15-7]			
07850	purum >97%(NT); M.P. 151-153°		25 g 10. —	100 g 35. —
	2-Aminodiphenylamine (N-Phenyl-o-phenylenediamine) 6.1/21h $\text{C}_6\text{H}_5\text{NHC}_6\text{H}_4\text{NH}_2$ $\text{C}_{12}\text{H}_{12}\text{N}_2$ M_r 184.24 [534-85-0]			
07900	purum >98%(NT); M.P. 77-80°; Variable configuration; store in refrigerator		25 g 22. —	100 g 80. —
	4-Aminodiphenylamin (N-Phenyl-p-phenylenediamine) 6.1/21h $\text{C}_6\text{H}_5\text{NHC}_6\text{H}_4\text{NH}_2$ $\text{C}_{12}\text{H}_{12}\text{N}_2$ M_r 184.24 [101-54-2]			
07910	puriss. >99%(NT); M.P. 73-76°; B.P. _{0.1} 154-156°		25 g 16. —	100 g 55. —
07920	pract. dest. powder >98%(NT); M.P. 70-74°		250 g 14. —	1 kg 50. —
	1-Amino-1,2-diphenylethane see 07890 1,2-Diphenylethylamine			
	α-Aminodiphenylmethane (Benzhydrylamine) $(\text{C}_6\text{H}_5)_2\text{CHNH}_2$ $\text{C}_{13}\text{H}_{13}\text{N}$ M_r 183.26 [91-00-9]			
07940	purum ~95%(GC); B.P. ₁₀ 160-164°; d_4^{20} 1.064; n_D^{20} 1.596	1 lt ≈ 1.06 kg	25 ml 10. —	100 ml 35. —
	2-Aminodiphenylmethane (2-Benzylaniline) $\text{NH}_2\text{C}_6\text{H}_4\text{CH}_2\text{C}_6\text{H}_5$ $\text{C}_{13}\text{H}_{13}\text{N}$ M_r 183.26 [28059-64-5]			
07942	purum >99%(NT); M.P. 50-52°		10 g 18. —	50 g 75. —

sFr.

sFr.

1-Aminododecane see 44170 Dodecylamine**12-Aminododecanoic acid lactam** see 61600 Laurolactam**2-Aminoethanesulfonic acid** see 86330 Taurine**2-Aminoethanethiol** see 30070 Cysteamine**1-Aminoethanol** see 00090 Acetaldehyde ammonia**2-Aminoethanol** see 02400 Ethanolamine**2-Amino-6-ethoxybenzothiazole** (6-Ethoxy-2-benzothiazolamine) $\text{C}_2\text{H}_5\text{OC}_6\text{H}_3\text{N:C}(\text{NH}_2)\text{S}$ $\text{C}_9\text{H}_{10}\text{N}_2\text{OS}$ M_r 194.26 [94-45-1]

02561

pract. 90-95%(NT); M.P. 159-161°; Ash ~2%; H_2O ~5%

100 g 22. —

500 g 90. —

2-Amino-3-ethoxycarbonyl-4,5-dihydrofurane (2-Amino-4,5-dihydro-3-furane
carboxylic acid ethyl ester; 5-Ethoxycarbonyl-2-amino-4,5-dihydrofurane) $\text{C}_2\text{H}_5\text{OCO}\text{C}(\text{NH}_2)\text{OCH}_2\text{CH}_2$ $\text{C}_7\text{H}_{11}\text{NO}_3$ M_r 157.17 [29108-09-6]

06660

purum >99%(NT); M.P. 51-53° dec.; A β -enamino ester which includes
the following increments: cyclic enol ether, enamino ester, α,β -unsaturated ester,
dihydrofurane; H. Wamhoff, Chem. Ber. 101, 3377 (1968); ibid. Chem. Ber.
105, 743, 748 (1972)

5 g 40. —

25 g 165. —

2-Aminoethyl alcohol see 02400 Ethanolamine**2-(2-Aminoethylamino)ethanol** see 54210 N-(2-Hydroxyethyl)ethylenediamine**N-(2-Aminoethyl)aniline** see 77940 N-Phenylethylenediamine**2-Aminoethyl bromide hydrobromide** see 06670 2-Bromoethylamine hydrobromide

06675

Aminoethylcellulose

100 g 38. —

2-Aminoethyl diphenylborinate (Diphenylboric acid 2-aminoethyl ester) $(\text{C}_6\text{H}_5)_2\text{BOCH}_2\text{CH}_2\text{NH}_2$ $\text{C}_{14}\text{H}_{16}\text{BNO}$ M_r 225.10 [524-95-8]

42810

purum p.a. >99%(NT); M.P. 190-192°; Flavone-Reagent;
store in refrigerator

1 g 7. —

5 g 20. —

25 g 85. —

N-(2-Aminoethyl)ethanolamine see 54210 N-(2-Hydroxyethyl)ethylenediamine

06720

2-Aminoethyl hydrogensulfate pract. >98%(T) (Sulfuric acid mono 4-aminoethylester)
 $\text{NH}_2\text{CH}_2\text{CH}_2\text{OSO}_3\text{H}$ $\text{C}_2\text{H}_7\text{NO}_4\text{S}$ M_r 141.15 [926-39-6]

100 g 14. —

500 g 60. —

3-(2-Aminoethyl)indole see 93640 Tryptamine**2-Aminoethyl methyl ether** see 64740 2-Methoxyethylamine**4-(2-Aminoethyl)morpholine** (2-Morpholinoethylamine) $\text{NH}_2\text{CH}_2\text{CH}_2\text{NCH}_2\text{CH}_2\text{OCH}_2\text{CH}_2$ $\text{C}_6\text{H}_{14}\text{N}_2\text{O}$ M_r 130.19 [2038-03-1]

06680

purum >97%(GC); M.P. 23-26°; B.P. 200-203°; d_4^{20} 1.001;
 n_D^{20} 1.4761 lt $\approx$ 1.00 kg

25 ml 29. —

100 ml 105. —

2-Aminoethyl phosphate see 27640 o-Phosphocolamine**1-(2-Aminoethyl)piperazine** (2-Piperazinoethylamine)8/35 $\text{NH}_2\text{CH}_2\text{CH}_2\text{NCH}_2\text{CH}_2\text{NHCH}_2\text{CH}_2$ $\text{C}_6\text{H}_{15}\text{N}_3$ M_r 129.21 [140-31-8]

06690

purum >97%(GC); B.P. 100°; d_4^{20} 0.981; n_D^{20} 1.4991 lt $\approx$ 0.98 kg

250 ml 16. —

1 lt 55. —

06700

2-(2-Aminoethyl)pyridine purum >97%(GC); B.P. 92-93° (Lit.)
3/4; 94° $\text{N:CHCH:CHCH:CHCH}_2\text{CH}_2\text{NH}_2$ $\text{C}_7\text{H}_{10}\text{N}_2$ M_r 122.17 [2706-56-1]1 lt $\approx$ 1.00 kg

100 ml 10. —

500 ml 42. —

1-(2-Aminoethyl)pyrrolidine (2-Pyrrolidinoethylamine) $\text{NH}_2\text{CH}_2\text{CH}_2\text{N}(\text{CH}_2)_3\text{CH}_2$ $\text{C}_6\text{H}_{14}\text{N}_2$ M_r 114.19 [7154-73-6]

06710

purum >98%(GC); B.P. 166-168° (Lit.); d_4^{20} 0.907; n_D^{20} 1.4681 lt $\approx$ 0.91 kg

10 ml 25. —

50 ml 105. —

2-Amino-4-(ethylthio)butyric acid see 02490 and 02510 L- and DL-Ethionine**2-Aminoethyl-trimethylammonium chloride hydrochloride** (Cholaminchloride hydrochloride) $\text{NH}_2\text{CH}_2\text{CH}_2\text{N}(\text{Cl})(\text{CH}_3)_3\text{.HCl}$ $\text{C}_5\text{H}_{15}\text{ClN}_2\text{.HCl}$ M_r 175.10 [3399-67-5]

06730

purum

1 g 18. —

5 g 75. —

07970

2-Aminofluorene purum >97%(NT); M.P. 124-128° (2-Fluorenylamine)
6.1/81g $\text{C}_6\text{H}_4\text{CH}_2\text{C}_6\text{H}_3\text{NH}_2$ $\text{C}_{13}\text{H}_{11}\text{N}$ M_r 181.24 [153-78-6]

5 g 16. —

25 g 67. —

sFr.

sFr.

Aminofluorescein see 46930 Fluoresceinamine**1-Amino-2-fluorobenzene** see 46470 2-Fluoroaniline**1-Amino-3-fluorobenzene** see 46480 3-Fluoroaniline**1-Amino-4-fluorobenzene** see 46490 4-Fluoroaniline**4-Aminofolic acid** see 09328 Aminopterin**2-Aminoglutaric acid** see 49450, 49460 and 49470 L-, D- and DL-Glutamic acid**Aminoguanidine hydrogencarbonate** (Guanyldiazine hydrogencarbonate) $\text{NH}_2\text{NHC}(\text{:NH})\text{NH}_2 \cdot \text{H}_2\text{CO}_3$ $\text{CH}_6\text{N}_4 \cdot \text{H}_2\text{CO}_3$ M_r 136.11 [2582-30-1]purum $\sim 98\%$ (NT); M.P. $\sim 170^\circ$ dec.

100 g 8.—

500 g 26.—

L-2-Amino-3-guanidinopropionic acid hydrochloride $\text{NH}_2\text{C}(\text{:NH})\text{NHCH}_2\text{CH}(\text{NH}_2)\text{COOH} \cdot \text{HCl}$ $\text{C}_4\text{H}_{10}\text{N}_4\text{O}_2 \cdot \text{HCl}$ M_r 182.61

[1482-99-1]

purum $>98\%$ (Cl); M.P. $\sim 220^\circ$ dec.; $[\alpha]_{\text{D}}^{20} + 20 \pm 1^\circ$ ($c = 0.5$ in water)

100 mg 10.—

500 mg 37.—

2-Amino-5-guanidino-pentanoic acid see 11010, 11015 and 11020 L-, D- and DL-Arginine**1-Aminoheptane** see 51960 Heptylamine**2-Aminoheptane** purum $>98\%$ (GC); B.P. $140-142^\circ$; d_4^{20} 0.762; n_{D}^{20} 1.420
3/3; 24° $\text{CH}_3(\text{CH}_2)_4\text{CH}(\text{NH}_2)\text{CH}_3$ $\text{C}_7\text{H}_{17}\text{N}$ M_r 115.22 [123-82-0]1 lt ≈ 0.76 kg

100 ml 40.—

500 ml 170.—

3-Aminoheptane techn. 70% (NT) (azeotropic aqueous mixture)3/3; 40° $\text{CH}_3(\text{CH}_2)_3\text{CH}(\text{NH}_2)\text{CH}_2\text{CH}_3$ $\text{C}_7\text{H}_{17}\text{N}$ M_r 115.22 [28292-42-4]1 lt ≈ 0.83 kg

100 ml 22.—

500 ml 80.—

2-Aminoheptane sulfate purum $[\text{CH}_3(\text{CH}_2)_4\text{CH}(\text{NH}_2)\text{CH}_3]_2 \cdot \text{H}_2\text{SO}_4$ $(\text{C}_7\text{H}_{17}\text{N})_2 \cdot \text{H}_2\text{SO}_4$ M_r 328.52

[33423-91-5]

100 g 32.—

1-Aminohexadecane see 52300 Hexadecylamine**5-Amino- $\alpha, \alpha, \alpha', \alpha', \alpha'$ -hexafluoro-m-xylene** see 15240 3,5-Bis(trifluoromethyl)aniline**N-Aminohexamethylenimine** (N-Aminohomopiperidine)8/35; 93° $\text{CH}_2(\text{CH}_2)_5\text{NNH}_2$ $\text{C}_6\text{H}_{14}\text{N}_2$ M_r 114.19 [5906-35-4]pract. $\sim 95\%$ (GC); B.P. $176-178^\circ$; d_4^{20} 0.938; n_{D}^{20} 1.4861 lt ≈ 0.94 kg

25 ml 24.—

1-Aminohexane see 53130 Hexylamine**6-Aminohexanoic acid** see 07260 6-Aminocaproic acid**4-Aminohippuric acid** [N-(4-Aminobenzoyl)glycine] $\text{NH}_2\text{C}_6\text{H}_4\text{CONHCH}_2\text{COOH}$ $\text{C}_9\text{H}_{10}\text{N}_2\text{O}_3$ M_r 194.19 [61-78-9]purum $\sim 98\%$ (T); M.P. $198-202^\circ$; Ash $<0.05\%$

10 g 9.—

50 g 34.—

N-Aminohomopiperidine see 08072 N-Aminohexamethylenimine**4-Amino-3-hydrazino-5-mercapto-1,2,4-triazole** (Purpald) $\text{NH}_2\text{NC}(\text{SH})\text{:NN:CNHNH}_2$ $\text{C}_2\text{H}_6\text{N}_6\text{S}$ M_r 146.17 [29070-01-7]purum $>99\%$ (N); M.P. $228-230^\circ$ dec.; sensitive and specific reagent for the determination of aldehydes: R. G. Dickinson, N.W. Jacobson, J. Chem. Soc. Perkin I, 975 (1975)

10 g 16.—

50 g 67.—

Aminohydroquinone dimethyl ether see 38580 2,5-Dimethoxyaniline**2-Amino-6-hydroxy-8-azapurine** see 11410 8-Azaguanin**3-Amino-4-hydroxybenzenesulfonic acid** see 09180 2-Aminophenol-4-sulfonic acid**3-Amino-4-hydroxybenzoic acid** putum $\sim 97\%$ (T); M.P. $205-206^\circ$ dec. $\text{NH}_2\text{C}_6\text{H}_3(\text{OH})\text{COOH}$ $\text{C}_7\text{H}_7\text{NO}_3$ M_r 153.16 [1571-72-8]

10 g 28.—

50 g 120.—

4- and 5-Amino-2-hydroxybenzoic acid see 09400 and 09410 4- and 5-Aminosalicylic acid**2-Amino-3-hydroxybutyric acid** see 89180, 89190 and 89200 L-, D- and DL-Threonine**2-Amino-4-hydroxybutyric acid** see 53600 and 53610 L- and DL-Homoserine**2-Amino-2-hydroxymethyl-1,3-propanediol** see 93349 Tris(hydroxymethyl)aminomethane**2-Amino-6-hydroxy-1-methylpurine** see 67070 1-Methylguanine

		sFr.	sFr.
	2-Amino-6-hydroxy-3-methylpurine see 67072 3-Methylguanine		
	2-Amino-6-hydroxy-7-methylpurine see 67073 7-Methylguanine		
	2-Amino-6-hydroxy-9-methylpurine see 67074 9-Methylguanine		
	[4(6)-Amino-2-hydroxy-5-methylpyrimidine] see 66581 5-Methylcytosine		
	Aminohydroxynaphthalene... see also Aminonaphthol...		
08160	6-Amino-4-hydroxy-2-naphthalenesulfonic acid techn. ~50%; rest water $\text{NH}_2\text{C}_{10}\text{H}_6(\text{OH})\text{SO}_3\text{H}$ $\text{C}_{10}\text{H}_9\text{NO}_4\text{S}$ M_r 239.25 [90-51-7]	250 g 16. —	1 kg 55. —
	2-Amino-3-hydroxy-3-phenylpropionic acid see 79170 β -Phenylserine Monohydrate		
	DL-2-Amino-3-(2-hydroxyphenyl)propionic acid see 93860 DL-o-Tyrosine		
	DL-2-Amino-3-(3-hydroxyphenyl)propionic acid see 93870 DL-m-Tyrosine		
	2-Amino-3-(4-hydroxyphenyl)propionic acid see 93830, 93840 and 93850 L-, D- and DL-Tyrosine		
	2-Amino-3-hydroxypropionic acid see 84960, 84970 and 84980 L-, D- and DL-Serine		
	2-Amino-4-hydroxypteridine see 82551 Pterin		
	2-Amino-4-hydroxypteridine-6- and -7-carboxylic acid see 82553 and 82554 Pterine-6- and -7-carboxylic acid		
	2-Amino-6-hydroxypurine see 51020 Guanine		
08208	2-Amino-3-hydroxypyridine purum ~98%(NT); M.P. 168-172°; oxidizes with discoloration $\text{N}:\text{C}(\text{NH}_2)\text{C}(\text{OH})\text{:CHCH}:\text{CH}$ $\text{C}_5\text{H}_6\text{N}_2\text{O}$ M_r 110.12 [16867-03-1]	25 g 14. —	100 g 50. —
08210	2-Amino-6-hydroxypyridine (6-2) pract. >98%(NT); M.P. 205-210° $\text{N}:\text{C}(\text{OH})\text{CH}:\text{CHCH}:\text{CNH}_2$ $\text{C}_5\text{H}_6\text{N}_2\text{O}$ M_r 110.12 [59315-47-8]	25 g 24. —	100 g 90. —
	4-Amino-2-hydroxypyrimidine see 30430 Cytosine		
	2-Amino-5-hydroxytoluene see 08329 4-Amino-m-cresol		
	3-Amino-4-hydroxytoluene see 08332 2-Amino-p-cresol		
08220	4-Amino-5-imidazolecarboxamide hydrochloride $\text{HNCH}:\text{NC}(\text{NH}_2):\text{CONH}_2\cdot\text{HCl}$ $\text{C}_4\text{H}_6\text{N}_4\text{O}\cdot\text{HCl}$ M_r 162.58 [72-40-2] purum >99%(Cl); M.P. ~270° dec.	1 g 12. —	5 g 50. —
	2-Amino-3-(4-imidazolyl)propionic acid see 53320, 53321 and 53330 L-, D- and DL-Histidine		
	Aminoiminomethansulfinic acid see 47710 Formamidinesulfinic acid		
08237	5-Aminoindane pract. >98%(NT); M.P. 33-36° (5-Indanamine) $\text{NH}_2\text{C}_6\text{H}_3\text{CH}_2\text{CH}_2\text{CH}_2$ $\text{C}_9\text{H}_{11}\text{N}$ M_r 133.20 [24425-40-9]	10 g 18. —	50 g 75. —
	2-Amino-3-(3-indolyl)-1-propanol see 93740 DL-Tryptophanol		
	2-Amino-3-(3-indolyl)propionic acid see 93660, 93670 and 93680 L-, D- and DL-Tryptophan		
08260	2-Amino-5-iodobenzoic acid (5-Iodoanthranilic acid) $\text{NH}_2\text{C}_6\text{H}_3\text{ICOOH}$ $\text{C}_7\text{H}_6\text{INO}_2$ M_r 263.04 [5326-47-6] purum >98%(T); M.P. 220-230° dec.; Ash <0.2%	10 g 20. —	50 g 85. —
	β-Aminoisobutyl alcohol see 08580 2-Amino-2-methyl-1-propanol		
08280	α-Aminoisobutyric acid (α -Methylalanine) $(\text{CH}_3)_2\text{C}(\text{NH}_2)\text{COOH}$ $\text{C}_4\text{H}_9\text{NO}_2$ M_r 103.12 [62-57-7] puriss. CHR >99%(NT); M.P. >300°; Ash <0.1%	25 g 14. —	100 g 50. —
08290	DL-β-Aminoisobutyric acid (α -Methyl- β -alanine) $\text{NH}_2\text{CH}_2\text{CH}(\text{CH}_3)\text{COOH}$ $\text{C}_4\text{H}_9\text{NO}_2$ M_r 103.12 [10569-72-9] puriss. CHR >99%(NT); M.P. 178-180°; Ash ~0.1%	1 g 15. —	5 g 63. — 25 g 265. —
	α-Aminoisovaleric acid see 94620, 94630 and 94640 L-, D- and DL-Valine		
	D-4-Amino-3-isoxazolidinone see 30020 D-Cycloserine		
08340	5-Aminolevulinic acid hydrochloride $\text{NH}_2\text{CH}_2\text{COCH}_2\text{CH}_2\text{COOH}\cdot\text{HCl}$ $\text{C}_5\text{H}_9\text{NO}_3\cdot\text{HCl}$ M_r 167.59 [5451-09-2] puriss. >99%(Cl); M.P. ~150° dec.; H_2O <1%; store in refrigerator	250 mg 16. —	1 g 55. — 5 g 230. —

			sFr.	sFr.
	2-Amino-4-mercaptoputyric acid see 53510 DL-Homocysteine			
	2-Amino-3-mercaptopropionic acid see 30090, 30095 and 30097 L-, D- and DL-Cysteine			
	2-Amino-6-mercaptopurine see 88800 6-Thioguanine			
08398	Aminomethanesulfonic acid purum ~97%(T) $\text{NH}_2\text{CH}_2\text{SO}_3\text{H}$ $\text{CH}_6\text{NO}_3\text{S}$ M_r 111.12		25 g 12. —	100 g 40. —
	4-Amino-5-methoxy-2-methylbenzanilide diazotated Zinc double salt see 44780 Fast Violet B salt			
	1-Amino-2-methoxy-4-nitrobenzene diazotated see 44720 Fast Red B salt			
	1-Amino-3-methoxypropane see 65309 3-Methoxypropylamine			
	2-Amino-5-methyl-benzenesulfonic acid see 65770 4-Methylaniline-2-sulfonic acid			
	1-Amino-3-methylbutane (Isopentylamine) 3/1a; -1° $(\text{CH}_3)_2\text{CHCH}_2\text{CH}_2\text{NH}_2$ $\text{C}_5\text{H}_{13}\text{N}$ M_r 87.17 [107-85-7] purum ~98%(GC); B.P. 95-97°; d_4^{20} 0.749; n_D^{20} 1.408			
59102		1 lt ≈ 0.75 kg	100 ml 40. —	
	7-Amino-4-methylcoumarin $\text{NH}_2\text{C}_6\text{H}_3\text{OCOCH}:\text{CCH}_3$ $\text{C}_{10}\text{H}_9\text{NO}_2$ M_r 175.19 [26093-31-2] purum ~98%(UV); M.P. 224-225°; For the preparation of fluorogenic substrates for chymotrypsin, trypsin and elastase; used as reference compound in the enzyme assay: M. Zimmermann et al., Anal. Biochem. 78, 47 (1977)			
08440			250 mg 16. —	1 g 55. —
08452	Aminomethylcycloheptane purum 3/4 $\text{CH}_2(\text{CH}_2)_5\text{CHCH}_2\text{NH}_2$ $\text{C}_8\text{H}_{17}\text{N}$ M_r 127.23 [4448-77-5]	1 lt ≈ 0.89 kg	5 ml 18. —	25 ml 75. —
	Aminomethylcyclohexane 3/3; 48° $\text{CH}_2(\text{CH}_2)_4\text{CHCH}_2\text{NH}_2$ $\text{C}_7\text{H}_{15}\text{N}$ M_r 113.20 [3218-02-8] purum >98%(GC); B.P. 161-163°; d_4^{20} 0.87; n_D^{20} 1.462			
08454		1 lt ≈ 0.87 kg	25 ml 24. —	100 ml 90. —
	1-Amino-2-methylcyclohexane see 66461 2-Methylcyclohexylamine			
	1-Amino-4-methylcyclohexane see 66462 4-Methylcyclohexylamine			
08456	Aminomethylcyclooctane pract. 90-95%(GC) 3/4; 86° $\text{CH}_2(\text{CH}_2)_6\text{CHCH}_2\text{NH}_2$ $\text{C}_9\text{H}_{19}\text{N}$ M_r 141.26	1 lt ≈ 0.90 kg	5 ml 24. —	25 ml 100. —
	2-Aminomethylfuran see 48110 2-Furfurylamine			
	2-Amino-6-methylheptane (1,5-Dimethylhexylamine; "6-Methyl-2-heptylamine") 3/3; 43° $(\text{CH}_3)_2\text{CH}(\text{CH}_2)_3\text{CH}(\text{NH}_2)\text{CH}_3$ $\text{C}_8\text{H}_{19}\text{N}$ M_r 129.25 [543-82-8] purum ~99%(GC); B.P. 162-164°; d_4^{20} 0.77; n_D^{20} 1.421			
08470		1 lt ≈ 0.77 kg	25 ml 14. —	100 ml 50. —
	6-Amino-2-methyl-2-heptanol hydrochloride (Heptaminol hydrochloride) $\text{CH}_3\text{CH}(\text{NH}_2)(\text{CH}_2)_3\text{C}(\text{OH})(\text{CH}_3)_2\cdot\text{HCl}$ $\text{C}_8\text{H}_{19}\text{NO}\cdot\text{HCl}$ M_r 181.71 [543-15-7] purum >99%(Cl); M.P. 164-165°			
08475			25 g 9. —	100 g 30. —
	2-Amino-5-methylhexane (1,4-Dimethylpentylamine) 3/3; 28° $(\text{CH}_3)_2\text{CHCH}_2\text{CH}_2\text{CH}(\text{CH}_3)\text{NH}_2$ $\text{C}_7\text{H}_{17}\text{N}$ M_r 115.22 [28292-43-5] purum >99%(GC)			
08490		1 lt ≈ 0.76 kg	25 ml 17. —	100 ml 60. —
	5-Aminomethyl-3-hydroxy-isoxazole see 70015 Muscimol			
08495	3-Amino-5-methylisoxazole purum >98%(NT); M.P. 58-61° $\text{QN}:\text{C}(\text{NH}_2)\text{CH}:\text{C}(\text{CH}_3)$ $\text{C}_4\text{H}_6\text{N}_2\text{O}$ M_r 98.11 [1072-67-9]		50 g 18. —	250 g 75. —
	5-(Aminomethyl)-3-isoxazolole see 70015 Muscimol			
	2-Amino-4-methylmercapto-1-butanol see 64398 L-Methioninol			
	L-2-Amino-4-methylmercaptobutyric acid see 64320, 64330 and 64340 L-, D- and DL-Methionine			
	2-Amino-3-methylmercaptopropionic acid see 66560 S-Methyl-L-cysteine			
	(2S,3R)- and (2R,3S)-2-Amino-3-methylpentanoic acid see 05703 and 05705 L- and DL-Alloisoleucine			
	(2S,3S)-, (2R,3R)- and (±)-2-Amino-3-methylpentanoic acid see 58880, 58882 and 58885 L-, D- and DL-Isoleucine			
	2-Amino-4-methylpentanoic acid see 61820, 61830 and 61840 L-, D- and DL-Leucine			

			sFr.	sFr.
08560	4-Amino-4-methyl-2-pentanone hydrogenoxalate (2,2-4) ("Diacetonamine hydrogenoxalate") (CH ₃) ₂ C(NH ₂)CH ₂ COCH ₃ ·(COOH) ₂ C ₈ H ₁₃ NO ₅ ·C ₂ H ₂ O ₄ M _r 205.21 [51283-38-6] purum M.P. 123-125°		25 g 22.—	100 g 80.—
	2-Amino-4-methylphenol see 08332 2-Amino-p-cresol			
	4-Amino-3-methylphenol see 08329 4-Amino-m-cresol			
08563	(+)-3-Aminomethylpinane hydrochloride C ₁₂ H ₂₃ N M _r 181.32 [57357-84-3] puriss. >99%(Cl); M.P. >300°; [α] _D ²⁰ +46±1°; [α] _D ²⁰ +40±1° (c = 10 in water)		5 g 13.—	25 g 55.—
08562	(-)-3-Aminomethylpinane hydrochloride C ₁₂ H ₂₃ N M _r 181.32 [58096-22-3] puriss. >99%(Cl); M.P. >300°; [α] _D ²⁰ -46±1°; [α] _D ²⁰ -40±1° (c = 10 in water)		5 g 13.—	25 g 55.—
08565	4-(Aminomethyl)piperidine purum >98%(GC); d ₄ ²⁰ 0.95; n _D ²⁰ 1.491 C ₈ H ₁₄ N ₂ M _r 114.19 [7144-05-0]	1 lt ≈ 0.95 kg	100 ml 22.—	500 ml 90.—
	1-Amino-2-methylpropane see 58480 Isobutylamine			
	2-Amino-2-methylpropane see 19520 tert.-Butylamine			
08570	2-Amino-2-methyl-1,3-propanediol (Amediol; AMPD) (HOCH ₂) ₂ C(NH ₂)CH ₃ C ₄ H ₁₁ NO ₂ M _r 105.14 [115-69-5] purum >99%(NT); M.P. 106-109°	50 g 10.—	250 g 40.—	1 kg 145.—
08580	2-Amino-2-methyl-1-propanol (β-Aminoisobutyl alcohol) (CH ₃) ₂ C(NH ₂)CH ₂ OH C ₄ H ₁₁ NO M _r 89.14 [124-68-5] puriss. >99%(GC); M.P. 21-23°; d ₄ ²⁰ 0.93; n _D ²⁰ 1.448	1 lt ≈ 0.93 kg	250 ml 13.—	1 lt 45.—
08581	purum >98%(GC); M.P. 18-22°; d ₄ ²⁰ 0.93; n _D ²⁰ 1.448	1 lt ≈ 0.93 kg	250 ml 8.—	1 lt 25.—
08589	6-Amino-1-methylpurine (1-Methyladenine; Spongopurine) C ₆ H ₇ N ₅ M _r 149.16 [5142-22-3] purum ~99%(NT); M.P. ~285° dec.		100 mg 20.—	500 mg 85.—
08592	6-Amino-3-methylpurine (3-Methyladenine) C ₆ H ₇ N ₅ M _r 149.16 [5142-22-4] puriss. >99%(NT); M.P. ~300° dec.		100 mg 20.—	500 mg 85.—
08619	2-Amino-3-methylpyridine (2-Amino-3-picoline) 6.1/21 N:CHCH:CHC(CH ₃):CNH ₂ C ₆ H ₈ N ₂ M _r 108.14 [1603-40-3] purum >98%(GC); M.P. 23-27°; store in refrigerator	25 g 10.—	100 g 35.—	500 g 145.—
08630	2-Amino-4-methylpyridine purum >99%(NT); M.P. 96-99° (2-Amino-4-picoline) N:CHCH:C(CH ₃)CH:CNH ₂ C ₆ H ₈ N ₂ M _r 108.14 [695-34-1]		100 g 22.—	500 g 90.—
08649	2-Amino-5-methylpyridine purum >98%(NT); M.P. 74-76° (6-Amino-3-picoline) N:CHC(CH ₃):CHCH:CNH ₂ C ₆ H ₈ N ₂ M _r 108.14 [1603-41-4]		10 g 20.—	50 g 85.—
08640	2-Amino-6-methylpyridine purum >98%(NT); M.P. 40-44° (6-Amino-2-picoline) N:C(CH ₃)CH:CHCH:CNH ₂ C ₆ H ₈ N ₂ M _r 108.14 [1824-81-3]		100 g 12.—	500 g 50.—
	3-Aminomethylpyridine see 80360 3-Picolylamine			
	4-Amino-2-methylquinoline see 07330 4-Aminoquinaldine			
	2-Aminomethyltetrahydrofuran see 87400 Tetrahydrofurfurylamine			
	1-Aminonaphthalene see 70731 1-Naphthylamine			
08720	8-Amino-1-naphthol-3,6-disulfonic acid Monosodium salt (1-8-3,6) (H Acid Monosodium salt) NH ₂ C ₁₀ H ₄ (OH)(SO ₃ H)SO ₃ Na C ₁₀ H ₈ NNaO ₇ S ₂ M _r 341.30 [5460-09-3] techn. ~85% (~80% free acid)		100 g 14.—	500 g 60.—
08800	6-Amino-1-naphthol-3-sulfonic acid (2-5-7) techn. ~90%(T); Ash <5% (I-Acid) NH ₂ C ₁₀ H ₅ (OH)SO ₃ H C ₁₀ H ₈ NO ₄ S M _r 239.25 [87-02-5]		100 g 22.—	500 g 90.—
08751	1-Amino-2-naphthol-4-sulfonic acid NH ₂ C ₁₀ H ₅ (OH)SO ₃ H C ₁₀ H ₈ NO ₄ S M _r 239.25 [116-63-2] pract. ~95%; Ash ~0.5%; determination: Cd, P, Si (colorimetr. according to Fiske and Subbarow)		25 g 10.—	100 g 35.—
08820	6-Aminonicotinamide purum >99%(NT); M.P. 246-248° N:C(NH ₂)CH:CHC(CONH ₂):CH C ₈ H ₇ N ₃ O M _r 137.14 [329-89-5]		5 g 29.—	25 g 120.—

sFr.

sFr.

4-Amino-3-nitroanisole see 72700 3-Nitro-p-anisidine

2-Amino-4-nitrobenzoic acid (4-Nitroanthranilic acid)

$\text{NH}_2\text{C}_6\text{H}_3(\text{NO}_2)\text{COOH}$ $\text{C}_7\text{H}_6\text{N}_2\text{O}_4$ M_r 182.14 [619-17-0]

purum >99%(T); M.P. $\sim 268^\circ$ dec.; Ash <0.5%

50 g 20. — 250 g 85. —

5-Amino-2-nitrobenzoic acid techn. moist 75-80%; M.P. 220-225°

$\text{NH}_2\text{C}_6\text{H}_3(\text{NO}_2)\text{COOH}$ $\text{C}_7\text{H}_6\text{N}_2\text{O}_4$ M_r 182.14 [13280-60-9]

50 g 20. — 250 g 85. —

2-Amino-5-nitrobenzonitrile see 28535 2-Cyano-4-nitroaniline

2-Amino-5-nitrobenzotrifluoride (4-Nitro-2-trifluoromethylaniline; 4-Nitro- α,α,α -trifluoro-o-toluidine)

6.1/21 $\text{NH}_2\text{C}_6\text{H}_3(\text{NO}_2)\text{CF}_3$ $\text{C}_7\text{H}_5\text{F}_3\text{N}_2\text{O}_2$ M_r 206.12 [121-01-7]

pract. >97%(N); M.P. 90-92°

10 g 16. — 50 g 67. —

4-Amino-3-nitrobenzotrifluoride (2-Nitro-4-trifluoromethylaniline; 2-Nitro- α,α,α -trifluoro-p-toluidine)

6.1/21 $\text{NH}_2\text{C}_6\text{H}_3(\text{NO}_2)\text{CF}_3$ $\text{C}_7\text{H}_5\text{F}_3\text{N}_2\text{O}_2$ M_r 206.12 [400-98-6]

pract. $\sim 95\%$ (N); M.P. 104-106°

10 g 22. — 50 g 90. —

1-Amino-4-nitronaphthalene (4-Nitro-1-naphthylamine)

$\text{NO}_2\text{C}_{10}\text{H}_6\text{NH}_2$ $\text{C}_{10}\text{H}_6\text{N}_2\text{O}_2$ M_r 188.19 [776-34-1]

purum >98%(N); M.P. 191-193°

1 g 11. — 5 g 44. —

2-Amino-4-nitrophenol (2-Hydroxy-5-nitroaniline)

6.1/21 $\text{NH}_2\text{C}_6\text{H}_3(\text{NO}_2)\text{OH}$ $\text{C}_6\text{H}_6\text{N}_2\text{O}_3$ M_r 154.13 [99-57-0]

puriss. >99%(NT); M.P. 143-145°

pract. $\sim 97\%$ (NT); M.P. 140-143°

25 g 16. — 100 g 55. —

100 g 15. — 500 g 63. —

2-Amino-5-nitrophenol (2-Hydroxy-4-nitroaniline)

6.1/21 $\text{NH}_2\text{C}_6\text{H}_3(\text{NO}_2)\text{OH}$ $\text{C}_6\text{H}_6\text{N}_2\text{O}_3$ M_r 154.13 [121-88-0]

pract. 90-95%(NT); M.P. 198-202° dec.

100 g 30. — 500 g 125. —

2-Amino-5-nitropyridine pract. >97%(NT); M.P. 186-188°

$\text{N}:\text{CHC}(\text{NO}_2):\text{CHCH}:\text{CNH}_2$ $\text{C}_5\text{H}_5\text{N}_3\text{O}_2$ M_r 139.12 [4214-76-0]

25 g 24. — 100 g 90. —

2-Amino-4-nitrotoluene (2-Methyl-5-nitroaniline; 5-Nitro-o-toluidine)

6.1/21f $\text{NH}_2\text{C}_6\text{H}_3(\text{NO}_2)\text{CH}_3$ $\text{C}_7\text{H}_6\text{N}_2\text{O}_2$ M_r 152.15 [99-55-8]

pract. $\sim 97\%$ (NT); M.P. 102-105°

250 g 24. — 1 kg 90. —

2-Amino-5-nitrotoluene (2-Methyl-4-nitroaniline; 4-Nitro-o-toluidine)

6.1/21f $\text{NH}_2\text{C}_6\text{H}_3(\text{NO}_2)\text{CH}_3$ $\text{C}_7\text{H}_6\text{N}_2\text{O}_2$ M_r 152.15 [99-52-5]

pract. $\sim 98\%$ (NT); M.P. 130-132°

100 g 8. — 500 g 29. —

2-Amino-6-nitrotoluene (2-Methyl-3-nitroaniline; 3-Nitro-o-toluidine)

6.1/21f $\text{NH}_2\text{C}_6\text{H}_3(\text{NO}_2)\text{CH}_3$ $\text{C}_7\text{H}_6\text{N}_2\text{O}_2$ M_r 152.15 [603-83-8]

purum >98%(NT); M.P. 89-92°

25 g 17. — 100 g 60. —

4-Amino-2-nitrotoluene (4-Methyl-3-nitroaniline; 3-Nitro-p-toluidine)

6.1/21f $\text{NH}_2\text{C}_6\text{H}_3(\text{NO}_2)\text{CH}_3$ $\text{C}_7\text{H}_6\text{N}_2\text{O}_2$ M_r 152.15 [119-32-4]

pract. >97%(NT); M.P. 77-80°

100 g 15. — 500 g 63. —

4-Amino-3-nitrotoluene (4-Methyl-2-nitroaniline; 2-Nitro-p-toluidine)

6.1/21f $\text{NH}_2\text{C}_6\text{H}_3(\text{NO}_2)\text{CH}_3$ $\text{C}_7\text{H}_6\text{N}_2\text{O}_2$ M_r 152.15 [89-62-3]

pract. $\sim 97\%$ (NT); M.P. 114-115°

250 g 26. — 1 kg 95. —

1-Aminononane see 74400 Nonylamine

1-Aminooctadecane see 74752 Octadecylamine

1-Amino-9-octadecene see 75350 Oleylamine

1-Aminooctane see 74990 Octylamine

2-Aminooctane (1-Methylheptylamine)

3/3; 49° $\text{CH}_3(\text{CH}_2)_6\text{CH}(\text{NH}_2)\text{CH}_3$ $\text{C}_8\text{H}_{19}\text{N}$ M_r 129.25 [693-16-3]

purum >99%(GC); B.P. 166-170°; d_4^{20} 0.771; n_D^{20} 1.424

1 lt $\approx$ 0.77 kg 25 ml 23. — 100 ml 85. —

2-Aminooctanoic acid (2-Aminocaprylic acid)

$\text{CH}_3(\text{CH}_2)_6\text{CH}(\text{NH}_2)\text{COOH}$ $\text{C}_8\text{H}_{17}\text{NO}_2$ M_r 159.23 [2187-07-7]

puriss. CHR $\sim 99\%$ (NT); M.P. 290-295° dec.; Ash <0.1%

5 g 24. — 25 g 100. —

8-Aminooctanoic acid see 07280 8-Aminocaprylic acid

8-Aminooctanoic acid lactam see 21631 Caprylolactam

				sFr.	sFr.
	6-Aminopenicillanic acid (6-Amino-3,3-dimethyl-7-oxo-4-thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid) $C_8H_{12}N_2O_3S$ M_r 216.26 [551-16-6] 09070 purum >98%(S); M.P. 206-208° dec.; $[\alpha]_{540}^{20} + 327 \pm 5^\circ$; $[\alpha]_D^{20} + 275 \pm 5^\circ$ (c = 1 in 0.1n HCl) 5 g 11.— 25 g 46.—				
	1-Aminopentadecane see 76590 Pentadecylamine				
	1-Aminopentane see 77060 Pentylamine				
	(±)-2-Aminopentane (2-Pentylamine) 3/3; 35° $CH_3CH_2CH_2CH(NH_2)CH_3$ $C_5H_{13}N$ M_r 87.17 [63493-28-7] 09093 purum >99%(GC); B.P. 87-90°; d_4^{20} 0.738; n_D^{20} 1.405 1 lt ≈ 0.74 kg 50 ml 18.— 250 ml 75.—				
	2-Aminopentanoic acid see 74650, 74660 and 74670 L-, D- and DL-Norvaline				
	5-Aminopentanoic acid see 09650 5-Amino-n-valeric acid				
09100	5-Amino-1-pentanol purum ~97%(T); M.P. 33-35°; B.P. 120-122° $NH_2(CH_2)_5OH$ $C_5H_{13}NO$ M_r 103.17 [2508-29-4]			25 g 18.—	100 g 65.—
	DL-2-Amino-4-pentanoic acid see 05960 DL-C-Allylglycine				
	N-(5-Aminopentyl)-5-dimethylaminonaphthalene-1-sulfonamide see 30432 Dansylcadaverine				
	Aminopeptidase (cytosol) see 61860 Leucine Aminopeptidase				
	4-Aminophenazone see 06800 4-Aminoantipyrine				
	2-Aminophenol 6.1/21 $NH_2C_6H_4OH$ C_6H_7NO M_r 109.13 [95-55-6] 09110 puriss. >99%(NT); M.P. 174-176° 25 g 10.— 100 g 35.— 500 g 145.— 09120 pract. >99%(NT); M.P. 173-175° 100 g 8.— 500 g 29.— 2.5 kg 120.—				
09130	3-Aminophenol purum >98%(NT); M.P. 121-123° 6.1/21 $NH_2C_6H_4OH$ C_6H_7NO M_r 109.13 [591-27-5]			100 g 9.—	500 g 34.—
09160	4-Aminophenol purum >99%(NT); M.P. 186-189°; Ash <1% 6.1/21 $NH_2C_6H_4OH$ C_6H_7NO M_r 109.13 [123-30-8]			250 g 14.—	1 kg 50.—
09170	4-Aminophenol hydrochloride purum >99%(Cl); M.P. 300-305° dec.; Photoquality $HOC_6H_4NH_2 \cdot HCl$ $C_6H_7NO \cdot HCl$ M_r 145.59 [51-87-5]			100 g 15.—	500 g 63.—
	2-Aminophenol-4-sulfonic acid (3-Amino-4-hydroxybenzenesulfonic acid) $NH_2C_6H_3(OH)SO_3H$ $C_6H_7NO_4S$ M_r 189.19 [98-37-3] 09180 techn. ~90%(T); M.P. >300°; Ash <2% 250 g 22.— 1 kg 80.—				
	N-(4-Aminophenyl)acetamide see 06590 4-Aminoacetanilide				
	α-Aminophenylacetic acid see 78570 and 78580 D(—)- and DL-α-Phenylglycine				
	4-Aminophenylacetic acid $NH_2C_6H_4CH_2COOH$ $C_8H_9NO_2$ M_r 151.17 [1197-55-3] 09220 purum >99%(NT); M.P. 200-205° dec.; store in refrigerator 10 g 16.— 50 g 67.—				
09195	2-Amino-4-phenylanisole purum ~98%(GC); M.P. 82-84°; Ash <0.05% $C_6H_5C_6H_3(NH_2)OCH_3$ $C_{13}H_{13}NO$ M_r 199.26 [38088-00-5]			10 g 16.—	50 g 67.—
	2- and 4-Aminophenylarsonic acid see 11068 and 11070 o- and p-Arsanilic acid				
	3-Amino-1-phenylbutane $C_6H_5CH_2CH_2CH(NH_2)CH_3$ $C_{10}H_{15}N$ M_r 149.24 [13214-66-9] 09200 purum >98%(GC); B.P. 221-222°; d_4^{20} 0.926; n_D^{20} 1.522 1 lt ≈ 0.93 kg 10 ml 16.— 50 ml 67.—				
	1-Amino-4-phenylbutane see 78280 4-Phenylbutylamine				
	4-Aminophenyl butyl ether see 20420 4-Butoxyaniline				
09190	2-Amino-1-phenylethanol pract. >98%(NT); Water ~2% $NH_2CH_2CH(OH)C_6H_5$ $C_8H_{11}NO$ M_r 137.18			10 g 13.—	50 g 55.—
	4-Aminophenyl ether see 32930 4,4'-Diaminodiphenyl ether				
	2-Aminophenylmercaptan see 09489 2-Aminothiophenol				
	3-Aminophenyl methyl sulfide see 67789 3-(Methylmercapto)aniline				
07895	4-Aminophenyl phenyl ether pract. >95%(NT); M.P. 81-83° (4-Phenoxyaniline) $C_6H_5OC_6H_4NH_2$ $C_{12}H_{11}NO$ M_r 185.23 [139-59-3]			250 g 17.—	1 kg 60.—

sFr.

sFr.

4-Aminophenyl phenyl ether see 07030 4-Aminobenzophenone

2-Aminophenyl phenyl ketone see 07020 2-Aminobenzophenone

L(+)-threo-2-Amino-1-phenyl-1,3-propanediol

HOCH₂CH(NH₂)CH(OH)C₆H₅ C₉H₁₃NO₂ M_r 167.21 [3306-06-7]09235 purum >98%(NT); M.P. 110-111°; [α]_D²⁰ +32±2°; [α]_D²⁰ +27±2°; Starting material for the preparation of chiral 2-oxazolines: A. F. Meyers, G. Knaus, K. Kamala, M. E. Ford, J. Am. Chem. Soc. 98, 567 (1976)

100 g 30. — 500 g 125. —

DL-erythro-2-Amino-1-phenyl-1-propanol see 78955 DL-Phenylpropanolamine

2-Amino-3-phenyl-1-propanol see 78100 L-Phenylalaninol

2-Amino-3-phenylpropionic acid see 78020, 78030 and 78040 L-, D- and DL-Phenylalanine

09250 3-Amino-1-phenyl-2-pyrazolin-5-one purum >99%(NT); M.P. 219-221° dec.
C₈H₆NN:C(NH₂)CH₂CO C₈H₆N₃O M_r 175.19 [28710-97-6]

25 g 10. — 100 g 32. —

4-Aminophenyl sulfone see 32960 4,4'-Diaminodiphenyl sulfone

4-Aminophenyltriphenylmethane (α,α,α-Triphenyl-p-toluidine)

NH₂C₆H₄C(C₆H₅)₃ C₂₅H₂₁N M_r 335.45 [22948-06-7]

09252 purum >98%(NT); M.P. 256-258°; Protective group reagent for phosphate monoesters: K. L. Agarwal, A. Yomozak, H. G. Khorana, J. Am. Chem. Soc. 93, 2754 (1971); Int. Ed. 11, 451 (1972)

5 g 16. — 25 g 67. —

3-Aminophthalhydrazide (5-Amino-2,3-dihydro-1,4-phthalazinedione; Luminol)

NH₂C₆H₃CONHNHCO C₆H₇N₃O₂ M_r 177.16 [521-31-3]

09253 pract. >98%(N); M.P. ~320°; Fluorescent indicator

5 g 16. — 25 g 67. —

N-Aminophthalimide (N,N-Phthaloylhydrazine, unsym.)

C₆H₄CON(NH₂)CO C₈H₆N₂O₂ M_r 162.15 [1875-48-5]09251 purum >98%(N); Typical IR Band; 1715 and 1776 cm⁻¹

25 g 26. — 100 g 95. —

2-Amino-3-picoline see 08619 2-Amino-3-methylpyridine

2-Amino-4-picoline see 08630 2-Amino-4-methylpyridine

6-Amino-2-picoline see 08640 2-Amino-6-methylpyridine

6-Amino-3-picoline see 08649 2-Amino-5-methylpyridine

1-Aminopropane see 82100 Propylamine

2-Aminopropane see 59320 Isopropylamine

S(+)- and (±)-2-Amino-1-propanol see 05230 and 05240 L- and DL-Alaninol

3-Amino-1-propanol (3-Aminopropyl alcohol)

HO(CH₂)₃NH₂ C₃H₉NO M_r 75.11 [156-87-6]09290 purum >97%(GC); B.P. 184-187°; d₄²⁰ 0.986; n_D²⁰ 1.469

1 lt ≈ 0.99 kg 250 ml 13. — 1 lt 45. —

1-Amino-2-propanol (Isopropanolamine)

3/4; 71° CH₃CH(OH)CH₂NH₂ C₃H₉NO M_r 75.11 [78-96-6]09280 purum ~97%(GC); B.P. 158-162°; d₄²⁰ 0.96; n_D²⁰ 1.448

1 lt ≈ 0.96 kg 1 lt 16. — 5 lt 55. —

3-Amino-1-propene see 05810 Allylamine

2-Aminopropionic acid see 05130, 05140 and 05150 L-, D- and DL-Alanine

3-Aminopropionic acid see 05160 β-Alanine

09291 3-Aminopropionitrile fumarate purum >98%(NT); M.P. 174-178° dec.

6.1/21 (NH₂CH₂CH₂CN)₂.HOOCCH:CHCOOH (C₃H₆N₂)₂.C₄H₄O₄ M_r 256.26
[2079-89-2]

10 g 9. — 50 g 34. —

3-Aminopropyl alcohol see 09290 3-Amino-1-propanol

γ-Aminopropylbenzene see 79010 3-Phenylpropylamine

3-Aminopropyl butyl ether see 20460 3-Butoxy-1-propylamine

N-(3-Aminopropyl)cyclohexylamine (N-Cyclohexyl-1,3-diaminopropane)

NH₂(CH₂)₃NHCH(CH₂)₄CH₂ C₉H₂₀N₂ M_r 156.27 [3312-60-5]

09300 pract. ~96%(GC)

1 lt ≈ 0.91 kg 250 ml 14. — 1 lt 50. —

N-(3-Aminopropyl)-1,4-diaminobutane see 85561 Spermidine

			sFr.	sFr.
	N-(3-Aminopropyl)diethanolamine [N-(3-Aminopropyl)iminodiethanol; N,N-Bis(2-hydroxyethyl)-1,3-diaminopropane; N,N-Bis(2-hydroxyethyl)-1,3- propanediamine; N,N-Bis(2-hydroxyethyl)trimethylenediamine] (HOCH ₂ CH ₂) ₂ N(CH ₂) ₃ NH ₂ C ₇ H ₁₈ N ₂ O ₂ M _r 162.23 [4985-85-7]			
14870	purum >98%(NT); B.P. ₂₂ 195-200°; d ₄ ²⁰ 1.072; n _D ²⁰ 1.494	1 lt ≈ 1.07 kg	100 ml 18.—	500 ml 75.—
	3-Aminopropyl isopropyl ether see 59700 3-Isopropoxypropylamine			
	N'-(3-Aminopropyl)-3'-methylaminopropylamine see 66641 Methylpropylenetriamine			
	4-(3-Aminopropyl)morpholine (3-Morpholino-1-propylamine) 8/35 $\text{CH}_2\text{CH}_2\text{OCH}_2\text{CH}_2\text{N}(\text{CH}_2)_3\text{NH}_2$ C ₇ H ₁₆ N ₂ O M _r 144.22 [123-00-2]			
09310	purum >99%(GC); B.P. 215-218°; d ₄ ²⁰ 0.985; n _D ²⁰ 1.477	1 lt ≈ 0.98 kg	100 ml 10.—	500 ml 37.—
09319	1-(3-Aminopropyl)-2-pyrrolidone purum 8/35 NH ₂ CH ₂ CH ₂ CH ₂ N(CH ₂) ₂ CO C ₇ H ₁₄ N ₂ O M _r 142.20 [7663-77-6]	1 lt ≈ 1.05 kg	25 ml 40.—	100 ml 145.—
	3-Aminopropyltriethoxysilane (3-Triethoxysilylpropylamine) 98° NH ₂ (CH ₂) ₃ Si(OC ₂ H ₅) ₃ C ₉ H ₂₃ NO ₃ Si M _r 221.37 [919-30-2]			
09324	purum >97%(GC); B.P. 223-224°; d ₄ ²⁰ 0.952; n _D ²⁰ 1.423	1 lt ≈ 0.95 kg	100 ml 12.—	
	3-Amino-1-propyne hydrochloride see 81827 Propargylamine hydrochloride			
09328	Aminopterin purum ~95%(UV); H ₂ O 3-8% (4-Aminofolic acid; 4-Aminopteroyl glutamic acid) C ₁₉ H ₂₀ N ₈ O ₅ M _r 440.42 [54-62-6]		100 mg 65.—	1 g 440.—
	6-Aminopurine see 01830 Adenine			
09332	Aminopyrazine purum ~99%(NT); M.P. 118-120° (Pyrazinamine) N:CHCH:NCH:CNH ₂ C ₄ H ₅ N ₃ M _r 95.10 [5049-61-6]		10 g 20.—	50 g 85.—
09334	3-Aminopyrazine-2-carboxylic acid pract. >97%; M.P. 205-210° dec. HOOCN:CH:CHN:CNH ₂ C ₅ H ₅ N ₃ O ₂ M _r 139.12 [5424-01-1]		5 g 24.—	25 g 100.—
	3-Aminopyrazine-2-carboxylic acid benzyl ester see 09333 Benzyl 3-aminopyrazine-2-carboxylate			
09335	3-Aminopyrazole pract. >95%(NT); M.P. 34-37° (3-Pyrazolamine) NHN:C(NH ₂)CH:CH C ₃ H ₅ N ₃ M _r 83.09 [1820-80-0]		1 g 14.—	5 g 60.—
09336	1-Aminopyrene pract. >90%(UV); M.P. 114-116° (1-Pyrenamine) 6.1/81g C ₁₆ H ₁₁ N M _r 217.27 [1606-67-3]		250 mg 7.—	1 g 20.—
09340	2-Aminopyridine purum ~98%(NT); M.P. 57-60° (α-Pyridylamine) 6.1/21 N:CHCH:CHCH:CNH ₂ C ₅ H ₆ N ₂ M _r 94.12 [504-29-0]		250 g 22.—	1 kg 80.—
09360	3-Aminopyridine purum >98%(NT); M.P. 60-63° (β-Pyridylamine) 6.1/21 N:CHC(NH ₂):CHCH:CH C ₅ H ₆ N ₂ M _r 94.12 [462-08-8]	10 g 7.—	50 g 20.—	250 g 85.—
09370	4-Aminopyridine purum >98%(NT); M.P. 158-160° (γ-Pyridylamine) 6.1/21 N:CHCH:C(NH ₂)CH:CH C ₅ H ₆ N ₂ M _r 94.12 [504-24-5]		10 g 10.—	50 g 47.—
09380	2-Aminopyrimidine purum >97%(NT); M.P. 124-126° (2-Pyrimidinamine) 6.1/21 N:C(NH ₂)N:CHCH:CH C ₄ H ₅ N ₃ M _r 95.10 [109-12-6]		100 g 13.—	500 g 55.—
	5- and 6-Amino-2,4-pyrimidinediol see 09630 and 09640 4(6)- and 5-Aminouracil			
	4-Aminopyrocatechol dimethyl ether see 38590 3,4-Dimethoxyaniline			
	4-Aminoquinaldine (4-Amino-2-methylquinoline) C ₆ H ₄ N:C(CH ₃)CH:CNH ₂ C ₁₀ H ₁₀ N ₂ M _r 158.20 [6628-04-2]			
07330	pract. ~98%(NT); M.P. 162-166°; H ₂ O ~2%		25 g 16.—	100 g 55.—
07338	3-Aminoquinoline purum >98%(NT); M.P. 93-95° C ₆ H ₄ N:CHC(NH ₂):CH C ₉ H ₈ N ₂ M _r 144.18 [580-17-6]		5 g 21.—	25 g 90.—
07350	8-Aminoquinoline purum ~98%(NT); M.P. 63-65° NH ₂ C ₆ H ₃ N:CHCH:CH C ₉ H ₈ N ₂ M _r 144.18 [578-66-5]		5 g 34.—	
	5-Aminoresorcinol dimethyl ether see 38600 3,5-Dimethoxyaniline			
	4-Amino-1-(β-D-ribofuranosyl)-1,3,5-triazin-2(1H)-one see 11385 5-Azacytidine			
	4-Aminosalicylic acid (4-Amino-2-hydroxybenzoic acid) NH ₂ C ₆ H ₃ (OH)COOH C ₇ H ₇ NO ₃ M _r 153.14 [65-49-6]			
09400	purum Ph. Helv. >97%(NT); M.P. 135-145° dec.; Ash <0.05%		100 g 10.—	500 g 37.—

				sFr.	sFr.
	5-Aminosalicylic acid (5-Amino-2-hydroxybenzoic acid)				
	$\text{NH}_2\text{C}_6\text{H}_3(\text{OH})\text{COOH}$ $\text{C}_7\text{H}_7\text{NO}_3$ M_r 153.14 [89-57-6]				
09410	pract. >95%(NT); M.P. $\sim 280^\circ$ dec.			100 g 20. —	500 g 85. —
09415	4-Aminosalicylic acid Sodium salt purum >99%(NT)			250 g 24. —	1 kg 90. —
	$\text{NH}_2\text{C}_6\text{H}_3(\text{OH})\text{COONa} \cdot 2\text{H}_2\text{O}$ $\text{C}_7\text{H}_6\text{NNaO}_3 \cdot 2\text{H}_2\text{O}$ M_r 211.15 [133-10-8]				
	Aminosuccinic acid see 11190, 11200 and 11210 L-, D- and DL-Aspartic acid				
	3-Aminosuccinic acid-1-amide see 11150, 11170 and 11180 L-, D- and DL-Asparagine				
	2-Amino-3-sulfopropionic acid see 30170 and 30180 L- and DL-Cysteic acid				
	1-Aminotetradecane see 87200 Tetradecylamine				
	4-Amino-2,2,6,6-tetramethylpiperidine				
	$\text{NHC}(\text{CH}_3)_2\text{CH}_2\text{CH}(\text{NH}_2)\text{CH}_2\text{C}(\text{CH}_3)_2$ $\text{C}_9\text{H}_{20}\text{N}_2$ M_r 156.27 [36768-62-4]				
09460	purum >97%(GC); B.P. 198-200°; d_4^{20} 0.899; n_D^{20} 1.471	1 lt $\approx$ 0.90 kg		1 ml 9. —	5 ml 32. —
	5-Aminotetrazole Monohydrate				
	$\text{NHN:NN:CNH}_2 \cdot \text{H}_2\text{O}$ $\text{CH}_3\text{N}_5 \cdot \text{H}_2\text{O}$ M_r 103.08 [4418-61-5]				
09470	purum $\sim 98\%$ (NT); M.P. 203° dec.; precursor of Diazonium-1H-tetrazole, an enzyme modification agent (e.g. SH-groups in myosin): R. Apitz-Castro and Z. Suarez, Biochim. Biophys. Acta 198, 176 (1970); (e.g. SH-groups in horse liver alcohol dehydrogenase): D. C. Sogin and B. V. Plapp, Biochemistry 15, 1087 (1976); J. F. Riordan and B. L. Vallee, Methods in Enzymology, Vol. XXVb, 525 (1972)			25 g 8. —	100 g 22. —
09475	2-Amino-1,3,4-thiadiazole purum (1,3,4-Thiadiazol-2-amine)			50 g 21. —	250 g 90. —
	$\text{NH}_2\text{C:NN:CHS}$ $\text{C}_2\text{H}_3\text{N}_3\text{S}$ M_r 101.13 [4005-51-0]				
09480	2-Aminothiazole pract. >95%(NT); M.P. 85-88°; H_2O <3% (2-Thiazolamine)			100 g 11. —	500 g 44. —
	SCH:CHN:CNH_2 $\text{C}_3\text{H}_4\text{N}_2\text{S}$ M_r 100.14 [96-50-4]				
09487	2-Aminothiazole nitrate purum >97%(NT); M.P. ~ 130 -140° dec.			250 g 18. —	
	$\text{SCH:CHN:CNH}_2 \cdot \text{HNO}_3$ $\text{C}_3\text{H}_4\text{N}_2\text{S} \cdot \text{HNO}_3$ M_r 163.16				
09483	2-Amino-2-thiazoline pract. >98%(NT); M.P. 79-81°			100 g 28. —	500 g 120. —
	$\text{SCH}_2\text{CH}_2\text{N:CNH}_2$ $\text{C}_3\text{H}_6\text{N}_2\text{S}$ M_r 102.16 [1779-81-3]				
	2-Amino-2-thiazoline hydrochloride (S,N-Ethyleneisothiourea hydrochloride)				
	$\text{SCH}_2\text{CH}_2\text{N:CNH}_2 \cdot \text{HCl}$ $\text{C}_3\text{H}_6\text{N}_2\text{S} \cdot \text{HCl}$ M_r 138.62 [3882-98-2]				
09485	purum >98%(Cl); M.P. 200-203°			25 g 20. —	
	3-Aminothioanisole see 67789 3-(Methylmercapto)aniline				
	2-Aminothiophenol (2-Aminobenzenethiol; 2-Aminophenyl mercaptan; 2-Mercaptoaniline)				
	6.1/81a $\text{NH}_2\text{C}_6\text{H}_4\text{SH}$ $\text{C}_6\text{H}_7\text{NS}$ M_r 125.19 [137-07-5]				
09489	purum $\sim 99\%$ (GC); M.P. 5-7°; B.P. ~ 70 -72°; d_4^{20} 1.17; n_D^{20} 1.642	1 lt $\approx$ 1.17 kg		50 ml 29. —	250 ml 120. —
09490	techn. ~ 80 -90%(RT); d_4^{20} 1.17; n_D^{20} 1.644	1 lt $\approx$ 1.17 kg		100 ml 16. —	500 ml 67. —
	4-Aminothiophenol (4-Aminobenzenethiol; 4-Mercaptoaniline)				
	6.1/81a $\text{HSC}_6\text{H}_4\text{NH}_2$ $\text{C}_6\text{H}_7\text{NS}$ M_r 125.19 [1193-02-8]				
09493	purum $\sim 95\%$ (RT); M.P. 39-44°			5 g 16. —	25 g 67. —
	α-Aminotoluene see 13180 Benzylamine				
	3-Amino-1,2,4-triazole				
	6.1/21 N:CHNHN:CNH_2 $\text{C}_2\text{H}_4\text{N}_4$ M_r 84.08 [61-82-5]				
09530	purum >98%(NT); M.P. 153-155°; Inhalation and contact with skin should be avoided			10 g 10. —	50 g 40. —
09540	pract. M.P. $\sim 150^\circ$; Inhalation and contact with skin should be avoided			250 g 29. —	1 kg 105. —
09550	4-Amino-1,2,4-triazole(1-1,3,4) purum >98%(NT); M.P. 83-88°			10 g 16. —	50 g 67. —
	6.1/21 CH:NN:CHNNH_2 $\text{C}_2\text{H}_4\text{N}_4$ M_r 84.08 [584-13-4]				
	1-Aminotridecane see 91590 Tridecylamine				
	2-Amino-2,4,4-trimethylpentane see 75000 tert-Octylamine				
	1-Aminoundecane see 94200 Undecylamine				
09620	11-Aminoundecanoic acid purum CHR >98%(NT); M.P. 188-191°			100 g 10. —	500 g 37. —
	$\text{NH}_2(\text{CH}_2)_{10}\text{COOH}$ $\text{C}_{11}\text{H}_{23}\text{NO}_2$ M_r 201.31 [2432-99-7]				
	4(6)-Aminouracil (4-Amino-2,6-dihydroxypyrimidine; 6-Amino-2,4-pyrimidinediol)				
	$\text{N:C(OH)N:C(NH}_2\text{)CH:COH}$ $\text{C}_4\text{H}_5\text{N}_3\text{O}_2$ M_r 127.10 [873-83-6]				
09630	purum $\sim 99\%$ (UV); M.P. >360°			100 g 14. —	500 g 60. —

			sFr.	sFr.
09640	5-Aminouracil (5-Amino-2,4-dihydroxypyrimidine[5,2-6]; 6-Amino-2,4-pyrimidinediol) N:C(OH)N:CHC(NH ₂):COH C ₄ H ₆ N ₃ O ₂ M _r 127.10 [932-52-5] purum >97%(UV); M.P. >300°; Ash <0.2%			25 g 18. — 100 g 65. —
	N-Aminourea hydrochloride see 84940 Semicarbazide hydrochloride			
	2-Amino-5-ureidopentanoic acid see 27510 and 27520 L- and DL-Citrulline			
09650	5-Amino-n-valeric acid (5-Aminopentanoic acid; Homopiperidinic acid) NH ₂ (CH ₂) ₄ COOH C ₆ H ₁₁ NO ₂ M _r 117.15 [660-88-8] purum >98%(NT); M.P. 157-160°; Ash ~0.5%			5 g 24. — 25 g 100. —
	5-Amino-n-valeric acid hydrochloride puriss. CHR; M.P. 103-104° NH ₂ (CH ₂) ₄ COOH.HCl C ₆ H ₁₁ NO ₂ .HCl M _r 153.61 [627-95-2]			5 g 26. —
	4-Aminoveratrole see 38590 3,4-Dimethoxyaniline			
	3-Amino-o-xylene see 39460 2,3-Dimethylaniline			
	4-Amino-o-xylene see 39540 3,4-Dimethylaniline			
	2-Amino-m-xylene see 39520 2,6-Dimethylaniline			
	2-Amino-p-xylene see 39500 2,5-Dimethylaniline			
	4-Amino-m-xylene see 39480 2,4-Dimethylaniline			
	5-Amino-m-xylene see 39550 3,5-Dimethylaniline			
	6-Amino-2,4-xlenol see 09670 6-Amino-2,4-dimethylphenol			
	Ammediol see 08570 2-Amino-2-methyl-1,3-propanediol			
	Ammoidin see 95560 Xanthotoxin			
09682 09684	Ammonia anhydrous 2/3at NH ₃ H ₃ N M _r 17.03 [7664-41-7] puriss. >99.8% + H ₂ O <0.2% + Traces H ₂ , N ₂ , O ₂ , CH ₄			
	Cyl. with 2 lt, net ~1 kg 400. — (price of gas 175. —) Cyl. with 10 lt, net ~5 kg 520. — (price of gas 225. —)			
	Ammonia aqueous see 09860 Ammonium hydroxide			
91630	Ammonia-d₃ 20% in D ₂ O (Trideuteroammonia) ND ₃ (in D ₂ O) D ₃ N M _r 20.05 [13550-49-7] puriss. >99.5 Atom% D (with Fluka-Guarantee)			1 lt ≈ 1.00 kg 10 ml 45. — 50 ml 190. —
09690	Ammonium acetate CH ₃ COONH ₄ C ₂ H ₇ NO ₂ M _r 77.08 [631-61-8] puriss. p.a.			250 g 7. — 1 kg 18. —
	Fluka-Guarantee: Assay (perchloric acid titration) >98.0 % Chloride (Cl) <0.0005% Sulfate (SO ₄) <0.001 % Insolubles in water <0.003% Nitrate (NO ₃) <0.002 % Residue on ignition <0.01 % Heavy metals (as Pb) <0.0005% pH (5% solution in water, 20°C) 6.5-7.5 Iron (Fe) <0.0005% Calcium (Ca) <0.001 % KMnO ₄ -Reducing substances: A solution of 2 g in 200 ml H ₂ O are added to a 0.2 ml 0.1n KMnO ₄ -solution, after boiling for 5 minutes the solution is not discoloured			
09692	purum p.a.			1 kg 11. — 5 kg 44. —
	Fluka-Guarantee: Assay >98.0 % Lead (Pb) <0.005% pH (5% solution in water 20°C) 6.5-7.5 Iron (Fe) <0.005% Zinc (Zn) <0.005% Chloride (Cl) <0.005% Calcium (Ca) <0.005% Sulfate (SO ₄) <0.005% Residue on ignition <0.05 % Copper (Cu) <0.005% (as SO ₄)			
09693	pract. >97%(NT)			1 kg 8. — 5 kg 29. —
09694	Ammoniumaluminum sulfate purum p.a. NH ₄ Al(SO ₄) ₂ ·12H ₂ O AlH ₄ NO ₈ S ₂ ·12H ₂ O M _r 453.33 [7784-25-0]			1 kg 7. — 5 kg 24. —
	Fluka-Guarantee: Assay >98.0 % Lead (Pb) <0.005% Chloride (Cl) <0.005% Iron (Fe) <0.005% Copper (Cu) <0.005% Zinc (Zn) <0.005%			



sFr.

sFr.

Ammonium benzoate see 09696 Benzoic acid ammonium salt

09697	Ammonium bromide purum p.a. DAB powder NH_4Br BrH_4N M_r 97.95 [12124-97-9]	250 g 7.—	1 kg 15.—
	Fluka-Guarantee:		
	Assay >98.0 %	Copper (Cu) <0.005%	
	pH (5% solution in water, 20°C) 5.0-6.5	Lead (Pb) <0.005%	
	Chloride (Cl) <0.005%	Zinc (Zn) <0.005%	
	Sulfate (SO_4) <0.005%	Iron (Fe) <0.005%	
		Calcium (Ca) <0.005%	
09698	Ammonium carbonate purum DAB $(\text{NH}_4)_2\text{CO}_3 \cdot \text{H}_2\text{O}$ $\text{CH}_8\text{N}_2\text{O}_3 \cdot \text{H}_2\text{O}$ M_r 114.10 [10361-29-2]	1 kg 7.—	5 kg 24.—
	Ammonium chloride NH_4Cl ClH_4N M_r 53.49 [12125-02-9]		
09700	puriss. p.a.	250 g 7.—	1 kg 14.—
	Fluka-Guarantee:		
	Assay (argentometric) >99.5 %	Phosphate (PO_4) <0.0002%	
	Insolubles in water <0.005 %	Heavy metals (Pb) <0.0001%	
	Residue on ignition (as Sulfate) <0.005 %	Iron (Fe) <0.0001%	
	pH (5% solution in water, 20°C) 4.5-5.5	Calcium (Ca) <0.0005%	
	Sulfate (SO_4) <0.002 %	Magnesium (Mg) <0.0005%	
	Nitrate (NO_3) <0.0005%	Sodium (Na) <0.005 %	
		Potassium (K) <0.005 %	
09702	purum p.a.	1 kg 8.—	5 kg 26.—
	Fluka-Guarantee:		
	Assay >98.0 %	Lead (Pb) <0.005%	
	pH (5% solution in water, 20°C) 4.5-6.0	Iron (Fe) <0.005%	
	Sulfate (SO_4) <0.005%	Zinc (Zn) <0.005%	
	Copper (Cu) <0.005%	Calcium (Ca) <0.005%	
09703	Ammonium chromate purum p.a. 5.1/10 $(\text{NH}_4)_2\text{CrO}_4$ $\text{CrH}_8\text{N}_2\text{O}_4$ M_r 152.07 [7788-98-9]	250 g 9.—	1 kg 30.—
	Fluka-Guarantee:		
	Assay >98.0 %	Lead (Pb) <0.005%	
	pH (5% solution in water, 20°C) 7.0-8.5	Iron (Fe) <0.005%	
	Chloride (Cl) <0.005%	Zinc (Zn) <0.005%	
	Sulfate (SO_4) <0.01 %	Calcium (Ca) <0.005%	
		Copper (Cu) <0.005%	
09706	Ammoniumdiethyldithiocarbamate puriss. p.a. $(\text{C}_2\text{H}_5)_2\text{NCSSNH}_4$ $\text{C}_5\text{H}_{14}\text{N}_2\text{S}_2$ M_r 166.31 [21124-33-4]	10 g 10.—	50g 42.—
09705	Ammonium dichromate purum p.a. 5.1/10 $(\text{NH}_4)_2\text{Cr}_2\text{O}_7$ $\text{Cr}_2\text{H}_8\text{N}_2\text{O}_7$ M_r 252.07 [7789-09-5]	500 g 10.—	1 kg 18.—
	Fluka-Guarantee:		
	Assay >98.0 %	Lead (Pb) <0.005%	
	Chloride (Cl) <0.01 %	Iron (Fe) <0.005%	
	Sulfate (SO_4) <0.01 %	Zinc (Zn) <0.005%	
	Copper (Cu) <0.005%	Calcium (Ca) <0.005%	
	Ammonium dihydrogen phosphate see 09933 mono-Ammonium phosphate		
09710	Ammonium disodium pentacyanoamminferrate p.a. $\text{Na}_2\text{NH}_4[\text{Fe}(\text{CN})_5\text{NH}_3] \cdot \text{aq}$ $\text{C}_5\text{H}_7\text{FeN}_7\text{Na}_2 \cdot \text{aq}$ M_r 266.99 + aq [36682-41-4]	25 g 24.—	100 g 90.—
09713	Ammonium ferric citrate, green purum p.a. powder [1185-57-5]	1 kg 16.—	
	Fluka-Guarantee:		
	Assay (as Fe) 14.5-16%	Lead (Pb) <0.005%	
	Chloride (Cl) <0.05 %	Zinc (Zn) <0.005%	
	Sulfate (SO_4) <0.05 %	Calcium (Ca) <0.05 %	
	Copper (Cu) <0.005%		
09714	Ammonium ferric citrate, brown purum p.a. powder, USP [1185-57-5]	1 kg 16.—	
	Fluka-Guarantee:		
	Assay (as Fe) 16.5-18.5%	Lead (Pb) <0.005%	
	Chloride (Cl) <0.05 %	Zinc (Zn) <0.005%	
	Sulfate (SO_4) <0.05 %	Calcium (Ca) <0.05 %	
	Copper (Cu) <0.005%		

						sFr.	sFr.
Ammonium ferric sulfate							
	$\text{Fe}_2(\text{SO}_4)_3 \cdot (\text{NH}_4)_2\text{SO}_4 \cdot 24\text{H}_2\text{O}$	$\text{Fe}_2\text{H}_8\text{N}_2\text{O}_{16}\text{S}_4 \cdot 24\text{H}_2\text{O}$	M_r 964.39				
09730	puriss. p.a.					250 g 7.—	1 kg 12.—
	Fluka-Guarantee:						
	Assay	>99.0 %	Zinc (Zn)	<0.005%			
	Insolubles in water	<0.005 %	Copper (Cu)	<0.002%			
	Ferrous salt	<0.001 %	Manganese (Mn)	<0.006%			
	Chloride (Cl)	<0.0003%	Alkaline earths (as SO_4)	<0.025%			
	Phosphate (PO_4)	<0.003 %					
09731	purum p.a.					1 kg 9.—	5 kg 34.—
	Fluka-Guarantee:						
	Assay	>98.0 %	Lead (Pb)	<0.005%			
	Chloride (Cl)	<0.005%	Zinc (Zn)	<0.005%			
	Copper (Cu)	<0.005%	Calcium (Ca)	<0.005%			
Ammonium ferrocyanide see 09810 Ammoniumhexacyanoferrate(II)							
Ammonium ferrous sulfate							
	$\text{FeSO}_4 \cdot (\text{NH}_4)_2\text{SO}_4 \cdot 6\text{H}_2\text{O}$	$\text{FeH}_8\text{N}_2\text{O}_8\text{S}_2 \cdot 6\text{H}_2\text{O}$	M_r 392.14 [10045-89-3]				
09720	puriss. p.a.					250 g 7.—	1 kg 15.—
	Fluka-Guarantee:						
	Assay (permanganometr.)	>99.5 %	Zinc (Zn)	<0.005%			
	Insolubles in water	<0.005%	Copper (Cu)	<0.002%			
	Ferric salt	<0.005%	Manganese (Mn)	<0.01 %			
	Chloride (Cl)	<0.001%	Alkaline earths (as SO_4)	<0.02 %			
	Phosphate (PO_4)	<0.002%					
09721	purum p.a.					1 kg 9.—	5 kg 32.—
	Fluka-Guarantee:						
	Assay	>98.0 %	Lead (Pb)	<0.005%			
	Chloride (Cl)	<0.005%	Zinc (Zn)	<0.005%			
	Copper (Cu)	<0.005%					
09737	Ammonium fluoride puriss p.a.					250 g 10.—	1 kg 32.—
	NH_4F FH_4N M_r 37.04 [12125-01-8]						
	Fluka-Guarantee:						
	Assay	>95.0 %	Sulfate (SO_4)	<0.005 %			
	Water (with KFT)	<5.0 %	Fluorosilicate (as SiO_2)	<0.05 %			
	Ammoniumhydrogenfluoride		Iron (Fe)	<0.0005%			
	(NH_4HF_2)	<1.0 %	Heavy metals (as Pb)	<0.0005%			
	Chloride (Cl)	<0.001%	Residue on ignition as (SO_4)	<0.005 %			
09738	Ammonium fluoride ~45% in water purum				1 lt $\approx$ 1.14 kg	1 lt 12.—	
8/15	$\text{NH}_4\text{F} \cdot \text{aq}$ $\text{FH}_4\text{N} \cdot \text{aq}$ M_r 37.04 + aq [12125-01-8]						
09736	Ammonium fluoroborate purum p.a.					250 g 7.—	1 kg 20.—
	NH_4BF_4 $\text{BF}_4\text{H}_4\text{N}$ M_r 104.84 [13826-83-0]						
	Fluka-Guarantee:						
	Assay	>98.0 %	Lead (Pb)	<0.005%			
	Chloride (Cl)	<0.005%	Iron (Fe)	<0.005%			
	Sulfate (SO_4)	<0.005%	Zinc (Zn)	<0.005%			
	Copper (Cu)	<0.005%	Calcium (Ca)	<0.005%			
09739	Ammonium formate purum p.a.					1 kg 18.—	
	HCOONH_4 CH_5NO_2 M_r 63.06 [540-69-2]						
	Fluka-Guarantee:						
	Assay	>97.0 %	Copper (Cu)	<0.005%			
	pH (5% solution in water 20°C)	6.0-7.0	Lead (Pb)	<0.005%			
	Chloride (Cl)	<0.005%	Iron (Fe)	<0.005%			
	Sulfate (SO_4)	<0.01 %	Zinc (Zn)	<0.005%			
			Calcium (Ca)	<0.005%			
09740	Ammonium hexachloroiridate (IV) puriss. >43% (Ir) [Iridium(IV)-ammonium chloride]					1 g 85.—	
	$(\text{NH}_4)_2\text{IrCl}_6$ $\text{Cl}_6\text{H}_8\text{IrN}_2$ M_r 441.01 [16940-92-4]						
Ammonium hexachloroosmate (IV) [Osmium(IV)-ammonium chloride]							
	$(\text{NH}_4)_2\text{OsCl}_6$ $\text{Cl}_6\text{H}_8\text{N}_2\text{Os}$ M_r 439.00 [12125-08-5]						
09750	puriss. ~43.3% (Os)					1 g 80.—	
Ammonium hexachloropalladate (IV) [Palladium(IV)-ammonium chloride]							
	$(\text{NH}_4)_2\text{PdCl}_6$ $\text{Cl}_6\text{H}_8\text{N}_2\text{Pd}$ M_r 355.22 [19168-23-1]						
09760	puriss. ~30% (Pd)					1 g 50.—	



				sFr.	sFr.
09770	Ammonium hexachloroplatinate(IV) [Platinum(IV)-ammonium chloride] (NH ₄) ₂ PtCl ₆ Cl ₆ H ₈ N ₂ Pt M _r 443.88 [16919-58-7] puriss. ~44% (Pt)			1 g 55. —	
09790	Ammonium hexachlororhodate(III) [Rhodium(III)-ammonium chloride] (NH ₄) ₃ RhCl ₆ ·1-2aq Cl ₆ H ₁₂ N ₃ Rh·1-2aq M _r 369.74 + 1-2aq [63771-38-0] puriss. ~28% (Rh)			1 g 65. —	
09800	"Ammonium hexachlororuthenate(IV)" [Ruthenium(IV)-ammonium chloride] (NH ₄) ₂ [Ru ₂ OCl ₁₀] Cl ₁₀ H ₁₀ N ₄ ORu ₂ M _r 644.82 [18746-63-9] puriss. ~30% (Ru)			1 g 30. —	
09810	Ammonium hexacyanoferrate(II) purum p.a. H ₂ O 4-8% (Ammonium ferrocyanide) (NH ₄) ₄ [Fe(CN) ₆].aq C ₆ H ₁₆ FeN ₁₀ .aq M _r 284.11 + aq [14481-29-9]			50 g 18. —	250 g 75. —
09832	Ammonium hydrogen carbonate purum p.a. (NH ₄)HCO ₃ CH ₅ NO ₃ M _r 79.06 [1066-33-7] Fluka-Guarantee: Assay >98.0 % Lead (Pb) <0.005% Chloride (Cl) <0.005% Iron (Fe) <0.005% Sulfate (SO ₄) <0.005% Zinc (Zn) <0.005% Copper (Cu) <0.005% Calcium (Ca) <0.005%			1 kg 7. —	5 kg 20. —
09834	di-Ammonium hydrogen citrate purum >97% (NT); H ₂ O <3% (NH ₄) ₂ C ₆ H ₈ O ₇ C ₆ H ₁₄ N ₂ O ₇ M _r 226.19 [3012-65-5]			1 kg 20. —	
09836	Ammonium hydrogen difluoride purum >98% (T) 8/15a NH ₄ HF ₂ F ₂ H ₅ N M _r 57.04 [1341-49-7]			1 kg 11. —	5 kg 46. —
09838	Ammonium hydrogen oxalate purum p.a. ~97% (RT) 6.1/21 NH ₄ HC ₂ O ₄ ·½H ₂ O C ₂ H ₅ NO ₄ ·½H ₂ O M _r 116.07 [5972-71-4]			100 g 13. —	500 g 55. —
09840	di-Ammonium hydrogen phosphate (sec.) (NH ₄) ₂ HPO ₄ H ₉ N ₂ O ₄ P M _r 132.06 [7722-76-1] puriss. p.a. Fluka-Guarantee: Assay >99.0 % Heavy metals (as Pb) <0.0005% Insolubles <0.005 % Iron (Fe) <0.0005% Chloride (Cl) <0.0005% Arsenic (As) <0.0001% Sulfate (SO ₄) <0.002 % Sodium (Na) <0.001 % Nitrate (NO ₃) <0.001 % Potassium (K) <0.001 %			250 g 7. —	1 kg 18. —
09842	di-Ammonium hydrogen phosphate (sec.) purum p.a. Fluka-Guarantee: Assay >98.0 % Lead (Pb) <0.005% pH (5% solution in water, 20°C) 7.8-8.5 Iron (Fe) <0.005% Copper (Cu) <0.005% Zinc (Zn) <0.005% Calcium (Ca) <0.005%			1 kg 12. —	5 kg 50. —
09848	Ammonium hydrogen sulfate purum p.a. 8/31a (NH ₄)HSO ₄ H ₅ NO ₄ S M _r 115.11 [7803-63-6] Fluka-Guarantee: Assay >98.0 % Iron (Fe) <0.005% Chloride (Cl) <0.005% Zinc (Zn) <0.005% Copper (Cu) <0.005% Calcium (Ca) <0.005% Lead (Pb) <0.005%			1 kg 16. —	5 kg 67. —
09855	Ammonium hydrogen tartrate [L (+)-Tartaric acid Monoammonium salt] HOOCCH(OH)CH(OH)COONH ₄ C ₄ H ₉ NO ₆ M _r 167.12 [3095-65-6] purum >98% (N); M.P. ~240° dec.			500 g 16. —	
09860	Ammonium hydroxide NH ₃ .aq H ₃ N.aq M _r 17.03 + aq [7664-41-7] puriss. p.a. ~25% in water; d ₄ ²⁰ 0.91 (14° Bé) Fluka-Guarantee: Carbonate (as CO ₂) <0.002 % KMnO ₄ -red. substances passes test Chloride (Cl) <0.00005% Non-volatile parts <0.003 % Phosphate (PO ₄) <0.0002 % Iron (Fe) <0.0001% Sulfure (as SO ₄) <0.0003 % Heavy metals (as Pb) <0.001 % Pyridine not detectable		1 lt ≈ 0.91 kg	1 lt 7. —	2.5 lt 14. —
09858	purum ~30% in water		1 lt ≈ 0.88 kg	1 lt 8. —	2.5 lt 14. —
09870	purum 20-25% in water		1 lt ≈ 0.91 kg	5 lt 21. —	25 lt 90. —



Ammonium iodide

09875	NH ₄ I H ₄ IN M _r 144.94 [12027-06-4]				250 g 24.—	1 kg 90.—
	purum p.a.					
09876	Fluka-Guarantee:				250 g 17.—	1 kg 60.—
	Assay	>98.0%	Copper (Cu)	<0.005%		
	pH (5% solution in water, 20°C)	4.5-6.5	Lead (Pb)	<0.005%		
	Chloride (Cl)	<0.01%	Iron (Fe)	<0.005%		
	Sulfate (SO ₄)	<0.01%	Zinc (Zn)	<0.005%		
	pract. >97%(I)					

Ammonium molybdate

09880	(NH ₄) ₆ Mo ₇ O ₂₄ ·4H ₂ O H ₂₄ Mo ₇ N ₆ O ₂₄ ·4H ₂ O M _r 1235.86 [12027-67-7]				100 g 18.—	500 g 75.—
	puriss. p.a. Cl' <0.0005%; NO ₃ ' <0.002%; SO ₄ '' <0.011%; PO ₄ ''' <0.0005%;					
09881	Heavy metals <0.001%				250 g 22.—	1 kg 80.—
	pract.					

09885	Ammonium nickel sulfate purum p.a.				1 kg 25.—	
	(NH ₄) ₂ Ni(SO ₄) H ₈ N ₂ NiO ₆ S ₂ M _r 286.90					
	Fluka-Guarantee:					
	Assay	>98.0 %	Iron (Fe)	<0.005%		
	Chloride (Cl)	<0.005%	Zinc (Zn)	<0.005%		
	Copper (Cu)	<0.005%	Calcium (Ca)	<0.005%		
	Lead (Pb)	<0.005%				

Ammonium nitrate

09890	5.1/6a NH ₄ NO ₃ H ₄ N ₂ O ₃ M _r 80.04 [6484-52-2]				250 g 7.—	1 kg 12.—
	puriss. p.a.					
09891	Fluka-Guarantee:				1 kg 10.—	5 kg 42.—
	Assay (Perchloric acid Titration)	>99.0 %	Sulfate (SO ₄)	<0.002 %		
	Insolubles in water	<0.005 %	Phosphate (PO ₄)	<0.0005 %		
	Residue on ignition (as Sulfate)	<0.01 %	Heavy metals (as Pb)	<0.00005%		
	Chloride (Cl)	<0.0003%	Iron (Fe)	<0.0002 %		
			Calcium (Ca)	<0.003 %		
09891	purum p.a.					
	Fluka-Guarantee:					
	Assay	>98.0 %	Copper (Cu)	<0.005%		
	pH (5% solution in water, 20°C)	4.5-6.0	Lead (Pb)	<0.005%		
	Chloride (Cl)	<0.005%	Iron (Fe)	<0.005%		
	Sulfate (SO ₄)	<0.005%	Zinc (Zn)	<0.005%		
			Calcium (Ca)	<0.005%		

Ammonium oxalate Monohydrate

09900	6.1/81g (COONH ₄) ₂ ·H ₂ O C ₂ H ₈ N ₂ O ₄ ·H ₂ O M _r 142.12 [1113-38-8]				250 g 8.—	1 kg 25.—
	puriss. p.a.					
09901	Fluka-Guarantee:				1 kg 18.—	
	Assay (oxidim.)	>99.5 %	Sulfate (SO ₄)	<0.005 %		
	Insolubles in water	<0.005 %	Nitrate (NO ₃)	<0.0005%		
	Residue on ignition	<0.005 %	Heavy metals (as Pb)	<0.001 %		
	Chloride (Cl)	<0.0005%	Iron (Fe)	<0.0002%		
	purum p.a.					
09901	Fluka-Guarantee:					
	Assay	>98.0 %	Copper (Cu)	<0.005%		
	pH (65% solution in water, 20°C)	6.0-7.0	Lead (Pb)	<0.005%		
	Chloride (Cl)	<0.005%	Iron (Fe)	<0.005%		
	Sulfate (SO ₄)	<0.005%	Zinc (Zn)	<0.005%		
			Calcium (Ca)	<0.005%		

09910	Ammonium perchlorate purum p.a. fine cryst.				250 g 8.—	1 kg 25.—	5 kg 105.—
	5.1/5 NH ₄ ClO ₄ ClH ₄ NO ₄ M _r 117.49 [7790-98-9]						
	Fluka-Guarantee:						
	Assay	>98.0 %	Lead (Pb)	<0.005%			
	Chloride (Cl)	<0.005%	Iron (Fe)	<0.005%			
	Sulfate (SO ₄)	<0.005%	Zinc (Zn)	<0.005%			
	Copper (Cu)	<0.005%	Calcium (Ca)	<0.005%			

					sFr.	sFr.
Ammonium peroxydisulfate (Ammoniumpersulfate; PER)						
09915	5.1/9	(NH ₄) ₂ S ₂ O ₈ H ₈ N ₂ O ₈ S ₂ M _r 228.20 [7727-54-0]				
		puriss. p.a.			250 g 7. —	1 kg 12. —
		Fluka-Guarantee:				
		Assay	>98.5 %	Lead (Pb)	<0.002%	
		Chloride (Cl)	<0.0005%	Iron (Fe)	<0.001%	
		Copper (Cu)	<0.002 %			
09920		purum p.a.			1 kg 10. —	5 kg 42. —
		Fluka-Guarantee:				
		Assay	>98.0 %	Iron (Fe)	<0.005%	
		Chloride (Cl)	<0.005%	Zinc (Zn)	<0.005%	
		Copper (Cu)	<0.005%	Calcium (Ca)	<0.005%	
		Lead (Pb)	<0.005%			
09930		Ammonium perhenate puriss. ~70%(Re)			1 g 50. —	
		NH ₄ ReO ₄ H ₄ NO ₄ Re M _r 268.24 [13598-65-7]				
Ammonium persulfate see 09920 Ammonium peroxydisulfate						
09933		mono-Ammonium phosphate purum p.a. (Ammonium dihydrogen phosphate)			1 kg 10. —	5 kg 42. —
		NH ₄ H ₂ PO ₄ H ₈ NO ₄ P M _r 115.03 [7783-28-0]				
		Fluka-Guarantee:				
		Assay	>98.0 %	Lead (Pb)	<0.005%	
		Chloride (Cl)	<0.005%	Zinc (Zn)	<0.005%	
		Copper (Cu)	<0.005%			
Ammonium purpurate see 70010 Murexide						
Ammoniumpyrrolidine dithiocarbamate see 09935 1-Pyrrolidinecarbodithionic acid ammonium salt						
Ammonium rhodanide (Ammonium thiocyanate)						
		NH ₄ SCN CH ₄ N ₂ S M _r 76.12 [1762-95-4]				
09940		puriss. p.a.			100 g 7. —	500 g 15. —
		Fluka-Guarantee:				
		Assay (argentometric)	>99.0 %	Sulfate (SO ₄)	<0.0025%	
		Insolubles in water	<0.005%	Heavy metals (as Pb)	<0.0005%	
		Residue on ignition		Iron (Fe)	<0.0002%	
		(as SO ₄)	<0.04 %	Sulfide (S)	<0.001 %	
		Chloride (Cl)	<0.005%			
09950		purum p.a. cryst.			500 g 8. —	2.5 kg 31. —
		Fluka-Guarantee:				
		Assay	>98.0 %	Copper (Cu)	<0.005%	
		pH (5% solution in water,		Lead (Pb)	<0.005%	
		20°C)	4.0-6.0	Iron (Fe)	<0.005%	
		Chloride (Cl)	<0.005%	Zinc (Zn)	<0.005%	
		Sulfate (SO ₄)	<0.005%	Calcium (Ca)	<0.005%	
Ammonium sodium hydrogen phosphate see 71283 Sodium ammonium hydrogen phosphate						
09883		Ammonium sodium tartrate purum p.a. [L(+) -Tartaric acid Ammonium salt]			250 g 26. —	
		NaOOC(CHOH) ₂ COONH ₄ ·4H ₂ O C ₄ H ₈ NNaO ₆ ·4H ₂ O M _r 261.10 [28959-58-2]				
		Fluka-Guarantee:				
		Assay	>98.0 %	Lead (Pb)	<0.005%	
		Chloride (Cl)	<0.005%	Iron (Fe)	<0.005%	
		Sulfate (SO ₄)	<0.01 %	Zinc (Zn)	<0.005%	
		Copper (Cu)	<0.005%	Calcium (Ca)	<0.005%	
Ammonium sulfamate						
		NH ₂ SO ₃ NH ₄ H ₈ N ₂ O ₃ S M _r 114.12 [7773-06-0]				
09960		puriss. p.a. M.P. 131.5-133.5°; Ash <0.05%			100 g 10. —	500 g 42. —
		Fluka-Guarantee:				
		Assay (T)	>99.0 %	Iron (Fe)	<0.001%	
		Chloride (Cl)	<0.005%	Zinc (Zn)	<0.005%	
		Sulfate (SO ₄)	<0.005%	Calcium (Ca)	<0.005%	
		Lead (Pb)	<0.005%	Copper (Cu)	<0.005%	
09970		purum p.a. M.P. 128-131°; Ash <0.01%			1 kg 14. —	5 kg 60. —
		Fluka-Guarantee:				
		Assay (NT)	>98.0 %	Iron (Fe)	<0.005%	
		Chloride (Cl)	<0.005%	Zinc (Zn)	<0.005%	
		Sulfate (SO ₄)	<0.02 %	Copper (Cu)	<0.005%	
		Lead (Pb)	<0.005%			

			sFr.	sFr.
	Ammonium sulfate $(\text{NH}_4)_2\text{SO}_4 \quad \text{H}_8\text{N}_2\text{O}_4\text{S} \quad M_r 132.14 \quad [7783-20-2]$			
09980	puriss. p.a. Fluka-Guarantee: Assay Insolubles in water Residue on ignition (as SO_4) pH (5% solution in water, 20°C)	>99.5 % <0.005% <0.01 % 5.0-6.0	Chloride (Cl) Nitrate (NO_3) Phosphate (PO_4) Heavy metals (as Pb) Iron (Fe) Calcium (Ca)	<0.0003% <0.001 % <0.0005% <0.0005% <0.005 % <0.001 %
			250 g 7.—	1 kg 12.—
09982	purum p.a. Fluka-Guarantee: Assay pH (5% solution in water, 20°C) Chloride (Cl)	>98.0 % 5.0-6.0 <0.005%	Copper (Cu) Lead (Pb) Iron (Fe) Zinc (Zn)	<0.005% <0.005% <0.005% <0.005%
			1 kg 7.—	5 kg 21.—
09984	di-Ammonium tartrate purum p.a. cryst. [L(+) -Tartaric acid Diammonium salt] $(\text{NH}_4)_2\text{C}_4\text{H}_4\text{O}_6 \quad \text{C}_4\text{H}_{12}\text{N}_2\text{O}_6 \quad M_r 184.15 \quad [3164-29-2]$ Fluka-Guarantee: Assay Residue on ignition (as SO_4) pH (5% solution in water, 20°C) Chloride (Cl)	98.0 % <0.05 % 5.0-7.0 <0.005%	Sulfate (SO_4) Copper (Cu) Lead (Pb) Iron (Fe) Zinc (Zn) Calcium (Ca)	<0.005% <0.005% <0.005% <0.005% <0.005%
			250 g 8.—	1 kg 25.—
09990	Ammonium tetrachloropalladate(II) [Palladium(II)-ammonium chloride] $(\text{NH}_4)_2\text{PdCl}_4 \quad \text{Cl}_4\text{H}_8\text{N}_2\text{Pd} \quad M_r 284.29 \quad [13820-40-1]$ puriss. ~37%(Pd)			1 g 25.—
10000	Ammonium tetrachloroplatinate(II) [Platinum(II)-ammonium chloride] $(\text{NH}_4)_2\text{PtCl}_4 \quad \text{Cl}_4\text{H}_8\text{N}_2\text{Pt} \quad M_r 372.98 \quad [13820-40-1]$ puriss. ~52%(Pt)			1 g 65.—
	Ammonium tetrahydroxanthracenechromate(III) see 83550 Reinecke salt			
	Ammonium thiocyanate see 09940 Ammonium rhodanide			
	Ammonium thioglycolate see 10010 Thioglycolic acid Ammonium salt			
10020	Ammonium thiosulfate $(\text{NH}_4)_2\text{S}_2\text{O}_3 \quad \text{H}_8\text{N}_2\text{O}_3\text{S}_2 \quad M_r 148.20 \quad [7783-18-8]$ purum cryst. >97%(RT); stab. with 1% Sodium sulfite; M.P. ~180° dec.			1 kg 11.— 5 kg 44.—
10040	Ammonium (para)tungstate puriss. >99% $(\text{NH}_4)_{10}\text{H}_2(\text{W}_2\text{O}_7)_6 \cdot x\text{H}_2\text{O} \quad M_r 3060.59 \cdot x\text{H}_2\text{O} \quad [11120-25-5]$			100 g 22.— 500 g 90.—
10030	Ammonium (meta)vanadate purum p.a. $\text{NH}_4\text{VO}_3 \quad \text{H}_4\text{NO}_3\text{V} \quad M_r 116.98 \quad [7803-55-6]$ Fluka-Guarantee: Assay Chloride (Cl) Sulfate (SO_4) Copper (Cu)	>98.0 % <0.005% <0.005% <0.005%	Lead (Pb) Iron (Fe) Zinc (Zn) Calcium (Ca)	<0.01 % <0.01 % <0.005% <0.005%
				100 g 9.— 500 g 34.—
	AMP see 01970 Adenosine 5'-monophosphoric acid			
	c-AMP see 01895 Adenosine-3',5'-cyclophosphate			
	(AMOC)₂O see 33425 Di-tert-amyl dicarbonate			
	AMPD see 08570 2-Amino-2-methyl-1,3-Propanediol			
10050	Amygdalin pract. M.P. 205-210°; $[\alpha]^{20}_{\text{D}} -45 \pm 2^\circ$ (c = 2 in water) (Vitamin B ₁₇) 6.1/21 $\text{C}_6\text{H}_5\text{CH}(\text{CN})\text{OC}_{12}\text{H}_{21}\text{O}_{10} \quad \text{C}_{20}\text{H}_{27}\text{NO}_{11} \quad M_r 457.44 \quad [29883-15-6]$			5 g 18.— 25 g 75.—
	Amygdalonic acid see 63460 L(+) -Mandelic acid			
	Amygdalose see 48790 Gentiobiose			
	Amyl... see Pentyl...			
	prim-active-Amyl-alcohol see 65979 S(-) -2-Methyl-1-butanol			
	tert-Amyl alcohol see 66000 2-Methyl-2-butanol			

			sFr.	sFr.
10070	α-Amylase bacterial (EC 3.2.1.1) (see also Taka-Diastase) [9000-90-2] 200 000 U according to Wohlgemut $\approx$ 21.5 Willstätter-U; Optimum pH 5.7 at 70°; store in refrigerator		10 g 12. —	50 g 50. —
10080	α-Amylase pancreatic (EC 3.2.1.1) (Pancreatin) [9000-90-2] 200 000 U according to Wohlgemut $\approx$ 21.5 Willstätter-U; Optimum pH 7.3 at 50°; store in refrigerator		25 g 10. —	100 g 35. —
10090	β-Amylase from barley (EC 3.2.1.2) [9000-91-3] purum Optimum pH 4.0-6.0 at 30-50°; store in refrigerator		250 mg 50. —	1 g 175. —
10230	(-)-Anabasine [(S)-2-(3-Pyridyl)piperidine] 6.1/81e $\text{CH:CHCH:NCH:CCH(CH}_2)_4\text{NH}$ $\text{C}_{10}\text{H}_{14}\text{N}_2$ M_r 162.24 [494-52-0] purum >99%(GC); d_4^{20} 1.05; n_D^{20} 1.540; $[\alpha]_{546}^{20} - 80 \pm 5^\circ$	1 lt $\approx$ 1.05 kg	1 ml 65. —	
10250	1,4-Androstadiene-17β-ol-3-one (17 β -Hydroxy-1,4-androstadien-3-one) $\text{C}_{19}\text{H}_{26}\text{O}_2$ M_r 286.42 [846-48-0] purum >97%(HPLC); M.P. 168-169°; $[\alpha]_{546}^{20} + 23 \pm 2^\circ$ (c = 1 in Chlf.)		5 g 40. —	
	5α-Androstan-3α-ol-17-one see 10350 cis-Androsterone			
	5α-Androstan-3β-ol-17-one see 10360 trans-Androsterone			
10300	5α-Androstan-17β-ol-3-one (Dihydrotestosterone; 17 β -Hydroxy-5 α -androstan-3-one) $\text{C}_{19}\text{H}_{30}\text{O}_2$ M_r 290.45 [521-18-6] purum M.P. 180-181°; $[\alpha]_{546}^{20} + 41 \pm 1^\circ$; $[\alpha]_D^{20} + 33 \pm 1^\circ$ (c = 1 in Chlf.)		1 g 7. —	5 g 21. —
10340	4-Androstene-3,17-dione (3,17-Dioxo-4-androstene) $\text{C}_{19}\text{H}_{26}\text{O}_2$ M_r 286.42 [63-05-8] purum >97%(HPLC); M.P. 169-173°; $[\alpha]_{546}^{20} + 229 \pm 2^\circ$; $[\alpha]_D^{20} + 189 \pm 2^\circ$ (c = 1 in Ethanol)		1 g 12. —	5 g 50. —
	4-Androsten-19-ol-3,17-dione see 54518 19-Hydroxy-4-androstene-3,17-dione			
	5-Androsten-3β-ol-17-one see 30760 trans-Dehydroandrosterone			
	4-Androsten-17β-ol-3-one see 86500 Testosterone			
	4-Androstene-3,11,17-trione see 02280 Adrenosterone			
10350	cis-Androsterone (5 α -Androstan-3 α -ol-17-one; 3 α -Hydroxy-5 α -androstan-17-one) $\text{C}_{19}\text{H}_{30}\text{O}_2$ M_r 290.45 [53-41-8] purum M.P. 182-184°; $[\alpha]_{546}^{20} + 118 \pm 2^\circ$; $[\alpha]_{546}^{20} + 96 \pm 2^\circ$ (c = 0.7 in Ethanol)		1 g 25. —	5 g 105. —
10360	trans-Androsterone (5 α -Androstan-3 β -ol-17-one; Epi-androsterone; 3 β -Hydroxy-5 α -androstan-17-one; Isoandrosterone) $\text{C}_{19}\text{H}_{30}\text{O}_2$ M_r 290.45 [481-29-8] purum M.P. 172-174°; $[\alpha]_{546}^{20} + 115 \pm 5^\circ$ (c = 1 in Methanol)		1 g 20. —	5 g 85. —
10370	Anethole (1-Methoxy-4-propenylbenzene) $\text{CH}_3\text{CH:CHC}_6\text{H}_4\text{OCH}_3$ $\text{C}_{10}\text{H}_{12}\text{O}$ M_r 148.21 [104-46-1] purum U.S.P. >98%(GC); M.P. 20-23°; B.P. 232-235°; d_4^{20} 0.98; n_D^{20} 1.561	1 lt $\approx$ 0.98 kg	100 ml 25. —	500 ml 105. —
	Aneurine hydrochloride see 95160 Vitamine B ₁			
	Aneurine monophosphate chloride see 88340 Cocarboxylase			
	Aneurinepyrophosphoric acid see 27580 Cocarboxylase Tetrahydrate			
10380	α-Angelicalactone (4-Hydroxy-3-pentenoic acid γ -lactone) $\text{CH}_3\text{C:CHCH}_2\text{COO}$ $\text{C}_5\text{H}_6\text{O}_2$ M_r 98.10 [591-12-8] purum >98%(GC); M.P. 13-17°; B.P. 56-58°		10 g 16. —	50 g 67. —
	α'-Angelicalactone see 66737 γ -Methylene- γ -butyrolactone			
	Anhydro-D-glucochloral see 23120 α -Chloralose			
10400	Aniline 6.1/11b; 76° $\text{C}_6\text{H}_5\text{NH}_2$ $\text{C}_6\text{H}_7\text{N}$ M_r 93.13 [62-53-3] puriss. p.a. M.P. -6--5°; B.P. 70-71°; d_4^{20} 1.021; n_D^{20} 1.586 Fluka-Guarantee: Assay (GC) >99.5 % Cobalt (Co) <0.00001% Water (H ₂ O) <0.1 % Iron (Fe) <0.00005% Ash <0.005 % Copper (Cu) <0.00001% Hydrocarbons passes test Lead (Pb) <0.00001% Nitrobenzene <0.003 % Cadmium (Cd) <0.00001% Nickel (Ni) <0.00001% Zinc (Zn) <0.00001%	1 lt $\approx$ 1.02 kg	250 ml 8. —	1 lt 22. —
10410	purum $\sim$ 99%(GC); B.P. 181-185°; d_4^{20} 1.022; n_D^{20} 1.586	1 lt $\approx$ 1.02 kg	1 lt 14. —	2.5 lt 31. —



				sFr.	sFr.
	Aniline Blue Sodium salt see 95290 Water Blue				
	Aniline hydrochloride				
10414	6.1/21	$C_6H_5NH_2 \cdot HCl$ $C_6H_7N \cdot HCl$ M_r 129.59 [142-04-1]		250 g 17.—	1 kg 60.—
10415		purum p.a. >99% (Cl); M.P. 199-200°; Ash <0.05%; SO_4 <0.02%		1 kg 16.—	5 kg 67.—
		pract.			
10421		Aniline sulfate purum >99% (T)		250 g 17.—	1 kg 60.—
	6.1/21	$(C_6H_5NH_2)_2 \cdot H_2SO_4$ $C_{12}H_{14}N_2 \cdot H_2SO_4$ M_r 284.33			
	Aniline-2-sulfonic acid see 75520 Orthanilic acid				
	Aniline-4-sulfonic acid see 86090 Sulfanilic acid				
	Anilinoacetic acid see 78560 N-Phenylglycine				
	2-Anilinoethanol see 54265 N-(2-Hydroxyethyl)aniline				
	8-Anilinonaphthalene-1-sulfonic acid Ammonium salt (ANS-NH ₄)				
10417		$C_6H_5NHC_{10}H_6SO_3NH_4$ $C_{16}H_{16}N_2O_3S$ M_r 316.38 [28836-03-5]			
10416		puriss. biochim. >99% (NT); M.P. 251-253°; for Gelelectrophoresis	5 g 8.—	25 g 31.—	100 g 115.—
		pract. ~95% (NT); Fluorescent protein stain; hydrophobic probe:			
		R. A. Muesing, T. Nishida, Biochemistry 10, 2952 (1971)		100 g 12.—	500 g 50.—
	8-Anilinonaphthalene-1-sulfonic acid Magnesium salt [(ANS) ₂ ·Mg]				
10419		$(C_6H_5NHC_{10}H_6SO_3)_2Mg \cdot 2H_2O$ $C_{32}H_{24}MgN_2O_6S_2 \cdot 2H_2O$ M_r 657.03 [82-76-8]			
		puriss. biochim. ~99% (NT); M.P. >300°; Rapid fluorescent			
		staining of nondenaturated protein bands in agar and polyacetyl-			
		amide gels: S. T. Nerenberg et al., Anal. Biochim. 43, 564 (1971)	1 g 10.—	5 g 40.—	25 g 165.—
	N-(4-Anilino-1-naphthyl)maleimide (ANM)				
10420		$C_6H_5NHC_{10}H_6NCOCH:CHCO$ $C_{20}H_{14}N_2O_2$ M_r 314.35 [50539-45-2]			
		puriss. p.a.; Fluorescent hydrophobic probe for thiol groups in proteins; Review:			
		Y. Kanaoka, Angew. Chem. 89, 142 (1977), Int. Ed. Engl. 16, 137 (1977)		10 mg 200.—	
	Anisaldehyde (Aubepine; 4-Methoxybenzaldehyde)				
10440		$CH_3OC_6H_4CHO$ $C_8H_8O_2$ M_r 136.15 [123-11-5]			
		purum >99% (GC); M.P. 1-2.5°; B.P. 118-121°; d_4^{20} 1.123;			
		n_D^{20} 1.573	1 lt ≈ 1.12 kg	100 ml 9.—	500 ml 34.—
	o- and m-Anisaldehyde see 64770 and 64780 2- and 3-Methoxybenzaldehyde				
	Anise alcohol see 64840 4-Methoxybenzyl alcohol				
	o- and m-Anisic acid see 64790 and 64800 2- and 3-Methoxybenzoic acid				
10550		p-Anisic acid purum >98% (T); M.P. 182-184°; Ash <0.3% (4-Methoxybenzoic acid)		100 g 10.—	500 g 37.—
		$CH_3OC_6H_4COOH$ $C_8H_8O_3$ M_r 152.15 [100-09-4]			
	o-Anisidine (2-Aminoanisole; 2-Methoxyaniline)				
10460	6.1/21	$CH_3OC_6H_4NH_2$ C_7H_9NO M_r 123.16 [90-04-0]			
		pract. >97% (GC); M.P. 3-6°; d_4^{20} 1.092; n_D^{20} 1.575	1 lt ≈ 1.09 kg	250 ml 10.—	1 lt 35.—
	m-Anisidine (3-Aminoanisole; 3-Methoxyaniline)				
10480	6.1/21f	$CH_3OC_6H_4NH_2$ C_7H_9NO M_r 123.16 [536-90-3]			
		pract. ~98%; B.P. 251° (Lit.); d_4^{20} 1.102; n_D^{20} 1.581	1 lt ≈ 1.10 kg	50 ml 12.—	250 ml 50.—
	p-Anisidine (4-Aminoanisole; 4-Methoxyaniline)				
10490	6.1/21	$CH_3OC_6H_4NH_2$ C_7H_9NO M_r 123.16 [104-04-9]			
		pract. >98% (GC); M.P. 56-59°; <1% o-Anisidine	100 g 7.—	500 g 17.—	2.5 kg 70.—
10510		p-Anisoin purum M.P. 108-111° (4,4'-Dimethoxybenzoin)		25 g 16.—	100 g 55.—
		$CH_3OC_6H_4CH(OH)COC_6H_4OCH_3$ $C_{16}H_{16}O_4$ M_r 272.30 [119-52-8]			
	Anisole (Methoxybenzene; Methyl phenyl ether)				
10520	3/3; 43°	$CH_3OC_6H_5$ C_7H_8O M_r 108.14 [100-66-3]			
		purum >99% (GC); B.P. 152-155°; d_4^{20} 0.993; n_D^{20} 1.517	1 lt ≈ 0.99 kg	250 ml 9.—	1 lt 28.—
	4-Anisylchlorodiphenylmethane see 65367 4-Methoxytriphenylchloromethane				
	ANM see 10420 N-(Anilino-1-naphthyl)maleimide				

sFr.

sFr

(ANS)₂-Mg see 10419 8-Anilinonaphthalene-1-sulfonic acid Magnesium salt**ANS-NH₄** see 10417 8-Anilinonaphthalene-1-sulfonic acid Ammonium salt**Anthracene**6.1/81g $C_6H_4CH:C_6H_4:CH$ $C_{14}H_{10}$ M_r 178.24 [120-12-7]

10580	puriss. >99%(UV); for Scintillation; M.P. 214-216°; λ_{max} 357 nm, log ϵ 3.92; residue on sublimation <0.1%	25 g 24.—	100 g 65.—
10590	purum subl. >99%(UV); M.P. 214-216°; Residue on sublimation <0.2%	100 g 18.—	500 g 75.—
10600	pract. >95%(UV); M.P. 210-215°; Residue on sublimation ~1%	250 g 10.—	1 kg 35.—

Anthracene-9-carboxaldehyde (9-Anthraldehyde) $C_{15}H_{10}O$ M_r 206.25 [642-31-9]

10603	purum ~99%(HPLC); M.P. 104-105°; Anthracene <1%	10 g 22.—	50 g 85.—
-------	---	-----------	-----------

Anthracene-9-carboxylic acid (9-Anthroic acid) $C_{15}H_{10}O_2$ M_r 222.25 [723-62-6]

10605	purum >98%(T); M.P. 213-217°; Ash <0.05%	10 g 28.—	50 g 120.—
-------	--	-----------	------------

9-Anthracenemethanol see 55612 9-(Hydroxymethyl)anthracene**9(10H)-Anthracenone** see 10740 Anthrone**9-Anthraldehyde** see 10603 Anthracene-9-carboxaldehyde**Anthranil** see 12273 2,1-Benzisoxazole**Anthranilamide** see 10710 Anthranilic acid amide**Anthranilic acid** (2-Aminobenzoic acid) $NH_2C_6H_4COOH$ $C_7H_7NO_2$ M_r 137.14 [118-92-3]

10680	puriss. p.a. M.P. 146-147°	25 g 10.—	100 g 32.—
-------	----------------------------	-----------	------------

Fluka-Guarantee:

Assay	>99.5 %	Iron (Fe)	<0.002%
Chloride (Cl)	<0.01 %	Zinc (Zn)	<0.001%
Sulfate (SO ₄)	<0.01 %	Calcium (Ca)	<0.001%
Copper (Cu)	<0.001%	Ash (as SO ₄)	<0.03 %
Lead (Pb)	<0.001%		

10690	purum >98(T); M.P. 144-147°	100 g 7.—	500 g 14.—
-------	-----------------------------	-----------	------------

10710	Anthranilic acid amide purum ~99%(NT); M.P. 111-113° (2-Aminobenzamide; Anthranilamide)	100 g 16.—	
-------	--	------------	--

 $NH_2C_6H_4CONH_2$ $C_7H_9N_2O$ M_r 136.15 [88-68-6]**Anthranilic acid N-carboxylic acid anhydride** see 58279 Isatoic anhydride**Anthranilonitrile** see 07001 2-Aminobenzonitrile

10610	Anthraquinone purum ~99%(UV); M.P. 283-285°	250 g 11.—	1 kg 38.—
-------	--	------------	-----------

 $C_6H_4COC_6H_4CO$ $C_{14}H_8O_2$ M_r 208.22 [84-65-1]**Anthraquinone-2,6-disulfonic acid Disodium salt** (9,10-Dihydro-9,10-dioxo-2,6-anthracenedisulfonic acid Disodium salt) $C_6H_3(SO_3Na)COC_6H_3(SO_3Na)CO$ $C_{14}H_6Na_2O_8S_2$ M_r 412.31 [853-68-9]

10640	techn. ~70%	100 g 14.—	500 g 60.—
-------	-------------	------------	------------

Anthraquinone-2-sulfonic acid Sodium salt (9,10-Dihydro-9,10-dioxo-2-anthracene sulfonic acid Sodium salt) $C_6H_4COC_6H_3(SO_3Na)CO.H_2O$ $C_{14}H_7NaO_5S.H_2O$ M_r 328.28 [131-08-8]

10660	puriss. p.a. ~99%(T)	25 g 17.—	100 g 60.—
10670	pract. ~97%(T)	100 g 12.—	500 g 50.—

9-Anthroic acid see 10605 Anthracene-9-carboxylic acid**Anthrone** [9(10H)-Anthracenone] $C_6H_4COC_6H_4CH_2$ $C_{14}H_{10}O$ M_r 194.24 [90-44-8]

10740	puriss. p.a. CHR for determination of carbohydrates; M.P. 154-156°	10 g 10.—	50 g 37.—	250 g 155.—
-------	--	-----------	-----------	-------------

Antimony6.1/75 Sb A_r 121.75 [7440-36-0]

10760	puriss. 99.9999%; fore electronic use	10 g 30.—	50 g 125.—
10770	purum >99.5%	250 g 13.—	1 kg 45.—

						sFr.	sFr.
10772	Antimony (Coating quality BALZERS) 6.1/75 99.999%; mesh size 1.5-3.5 mm					10 g 30.—	100 g 240.—
10774	Antimony(III) chloride 8/12 SbCl ₃ Cl ₃ Sb M _r 228.11 [10025-91-9] puriss. p.a. DAB Fluka-Guarantee: Assay (RT) >99.0% Insolubles in Chloroform <0.02% With H ₂ S not precipitable parts (weighted as SO ₄) <0.1 % pract. >97%(RT)			Sulfate (SO ₄) <0.005% Lead (Pb) <0.005% Iron (Fe) <0.001% Arsenic (As) <0.005%		100 g 11.— 250 g 14.—	500 g 44.— 1 kg 50.—
10780	Antimony(III) oxide purum p.a. 6.1/75 Sb ₂ O ₃ O ₃ Sb ₂ M _r 291.50 [1309-64-4] Fluka-Guarantee: Assay (RT) >98.0 % Copper (Cu) <0.005% Lead (Pb) <0.03 %			Iron (Fe) <0.005% Zinc (Zn) <0.005% Calcium (Ca) <0.005%		250 g 10.—	1 kg 35.—
10786	Antimony(III) sulfide pract. ~97%(Sb) 6.1/75 Sb ₂ S ₃ S ₃ Sb ₂ M _r 339.70 [1345-04-6]					500 g 18.—	
10787	Antimony sulfide (Coating quality BALZERS) 99%; Tablets					100 g 125.—	
10788	Antimony(V) sulfide purum >97%(Sb) 6.1/75 Sb ₂ S ₅ S ₅ Sb ₂ M _r 403.82 [1315-04-4]					100 g 8.—	500 g 26.—
	Antimonytributyl see 92940 Triphenylantimony						
10790	Antipyrin (2,3-Dimethyl-1-phenyl-3-pyrazolin-5-one; Phenazone) C ₆ H ₅ NCOCH:C(CH ₃)NCH ₃ C ₁₁ H ₁₂ N ₂ O M _r 188.23 [60-80-0] purum cryst.; Ph. Helv.; >99%(NT); M.P. 109-111°					100 g 8.—	500 g 26.—
10795	Antiprylazo III p.a. C ₃₂ H ₂₆ N ₆ Na ₂ O ₁₀ S ₂ M _r 792.72 [14918-39-9]					1 g 35.—	5 g 145.—
	APANS see 89120 Thorin						
10800	Apiezon® K high viscous oil, with very low vapor pressure (10 ⁻³ at 300°)					100 ml 80.—	
10801	Apiezon® L grease, free of additives; CP 30°; M.P. 47°; stationary phase for GC; high vacuum grease						Tube with 50 g 95.—
10802	Apiezon® M all purpose lubricant; similar to Apiezon L; but higher wax content; higher vapor pressure than Apiezon L						Tube with 100 g 80.—
10803	Apiezon® N grease; with additive; polymer hydrocarbon with higher molecular weight; consistency similar to rubber ® Registered Trade Mark of Shell Chemicals						Tube with 25 g 70.—
10798	Apigenin (4',5,7-Trihydroxyflavone) C ₁₅ H ₁₀ O ₅ M _r 270.24 [520-36-5] purum ~98%(C,H-Analysis); M.P. 300°; H ₂ O ~2%					100 mg 40.—	
10840	L(+)-Arabinose CH ₂ (CHOH) ₄ O C ₅ H ₁₀ O ₅ M _r 150.13 [5328-37-0] puriss. p.a. for Bacteriology; M.P. 154-157°; [α] _D ^{20,24h} +122±2°; [α] _D ^{20,24h} +104±1° (c = 10 in water) Fluka-Guarantee: Assay α+β (GC) >98.0 % Loss on drying <0.1 % Residue on ignition (as SO ₄) <0.1 % Chloride (Cl) <0.005 % Sulfate (SO ₄) <0.005 % Copper (Cu) <0.0001%			Lead (Pb) <0.0001 % Cadmium (Cd) <0.0001 % Zinc (Zn) <0.0001 % Iron (Fe) <0.0005 % Cobalt (Co) <0.0001 % Nickel (Ni) <0.0001 % Arsenic (As) <0.00001%		25 g 16.—	100 g 55.—

			sFr.	sFr.
	D(–)-Arabinose unnatural form			
	$\text{C}_5\text{H}_{10}\text{O}_5$ M_r 150.13			
10850	puriss. p.a. for Bacteriology; M.P. 156-160°; $[\alpha]_{546}^{20/24\text{h}} - 123 \pm 1^\circ$; $[\alpha]_{\text{D}}^{20/24\text{h}} - 104 \pm 1^\circ$ (c = 10 in water)			25 g 21. — 100 g 75. —
	Fluka-Guarantee:			
	Loss on drying	<0.1 %	Cadmium (Cd)	<0.0001 %
	Residue on ignition (as SO_4)	<0.1 %	Zinc (Zn)	<0.0001 %
	Chloride (Cl)	<0.005 %	Iron (Fe)	<0.0005 %
	Sulfate (SO_4)	<0.005 %	Cobalt (Co)	<0.0001 %
	Copper (Cu)	<0.0001 %	Nickel (Ni)	<0.0001 %
	Lead (Pb)	<0.0001 %	Arsenic (As)	<0.00001 %
10860	DL-Arabinose puriss. M.P. 158-160° $\text{C}_5\text{H}_{10}\text{O}_5$ M_r 150.13 [20235-19-2]			10 g 16. — 50 g 67. —
	L(–)-Araibitol			
	$\text{C}_6\text{H}_{12}\text{O}_6$ M_r 152.15 [7643-75-6]			
10870	purum M.P. 101-104°; $[\alpha]_{546}^{20} - 13 \pm 1^\circ$; $[\alpha]_{\text{D}}^{20} - 11 \pm 1^\circ$ (c = 5 in Borax solution)			5 g 26. — 25 g 110. —
	D(+) -Araibitol			
	$\text{C}_6\text{H}_{12}\text{O}_6$ M_r 152.15 [488-82-4]			
10880	purum M.P. 101-104°; $[\alpha]_{546}^{20} + 13 \pm 1^\circ$; $[\alpha]_{\text{D}}^{20} + 11 \pm 1^\circ$ (c = 9 in 8% Borax solution)			5 g 24. — 25 g 100. —
	D-Araboascorbic acid see 58320 D(–)-Isoascorbic acid			
10895	D(+) -Arabonic acid Potassium salt purum (Potassium-D-arabonate) $\text{C}_5\text{H}_9\text{KO}_6$ M_r 204.23 [15770-22-6]			10 g 25. — 50 g 105. —
	Arachidic acid (Arachidinic Acid; Carboxylic acid C_{20} ; Eicosanoic acid) $\text{C}_{20}\text{H}_{40}\text{O}_2$ M_r 312.54 [506-30-9]			
10930	puriss. synthetic; >99%(GC); M.P. 74-76°			1 g 9. — 5 g 32. —
	Arachidinic acid see 10930 Arachidic acid			
	Arachidonic acid			
	$\text{C}_{20}\text{H}_{32}\text{O}_2$ M_r 304.46 [506-92-1]			
10929	puriss. >99%(GC); store in refrigerator			100 mg 75. —
10931	purum ~95%(GC); store in refrigerator			250 mg 26. — 1 g 95. —
	Arachinyl alcohol see 44860 1-Eicosanol			
10951	Araldite M		1 lt ≈ 1.14 kg 250 ml 16. —	1 lt 55. —
10952	Araldite Accelerator 964 (DY 064)		1 lt ≈ 0.98 kg 250 ml 16. —	1 lt 40. —
10953	Araldite Hardener HY 964		1 lt ≈ 1.00 kg 250 ml 16. —	1 lt 40. —
	p-Arbutin (Hydroquinone-β-D-glucopyranoside) $\text{C}_{12}\text{H}_{16}\text{O}_7$ M_r 272.26 [497-76-7]			
10960	purum >98%(C,H-Analysis); M.P. 195-198°; $[\alpha]_{546}^{20} - 78 \pm 1^\circ$; $[\alpha]_{\text{D}}^{20} - 65 \pm 1^\circ$ (c = 2 in water)			10 g 35. — 50 g 145. —
	Arcaine sulfate (1,4-Diguanidinobutane sulfate; 1,1'-Tetramethylenediguanidine sulfate) $\text{C}_6\text{H}_{16}\text{N}_6 \cdot \text{H}_2\text{SO}_4$ M_r 270.31 [36587-93-6]			
10970	purum			10 g 50. —
	Arecoline hydrobromide			
	$\text{C}_8\text{H}_{13}\text{NO}_2 \cdot \text{HBr}$ M_r 236.12 [300-08-3]			
10980	puriss. >99%(Br); M.P. 172-174°; 1 g clearly and colorless soluble in 10 ml water			10 g 18. — 50 g 75. —
	L-Arginase (EC 3.5.3.1) [9000-96-8]			
11000	lyophilized from Bovine Liver; soluble; 20 U/mg; store in refrigerator			100 mg 15. —
	L-Arginine (2-Amino-5-guanidino-pentanoic acid) $\text{C}_6\text{H}_{14}\text{N}_4\text{O}_2$ M_r 174.20 [74-79-3]			
11010	puriss. p.a. $[\alpha]_{546}^{20} + 32.0 \pm 0.5^\circ$; $[\alpha]_{\text{D}}^{20} + 26.5 \pm 0.5^\circ$ (c = 5 in 5n HCl)			100 g 22. — 500 g 90. —
	Fluka-Guarantee:			
	Assay	>99.0 %	Sulfate (SO_4)	<0.01 %
	Other amino acids	<0.3 %	Copper (Cu)	<0.0001 %
	Loss on drying	<0.5 %	Lead (Pb)	<0.0001 %
	Residue on ignition (as SO_4)	<0.1 %	Iron (Fe)	<0.0005 %
	Chloride (Cl)	<0.01 %	Zinc (Zn)	<0.0001 %
			Cadmium (Cd)	<0.0001 %



sFr.

sFr.

D-Arginine

11015	HN:C(NH ₂)NH(CH ₂) ₃ CH(NH ₂)COOH C ₆ H ₁₄ N ₄ O ₂ M _r 174.20 [157-06-2] puriss. ~99% (NT); M.P. ~235-240°; [α] _D ²⁰ -32.0±0.5°; [α] _D ²⁰ -26.5±0.5° (c = 1.6 in 6n HCl)	1 g 16. —	5 g 67. —
-------	--	-----------	-----------

11020	DL-Arginine purum >98% (NT); M.P. 220-222° dec.; Ash <0.1% HN:C(NH ₂)NH(CH ₂) ₃ CH(NH ₂)COOH C ₆ H ₁₄ N ₄ O ₂ M _r 174.20 [7200-25-1]	1 g 10. —	5 g 40. —
-------	--	-----------	-----------

L-Arginine methyl ester dihydrochloride

11030	HN:C(NH ₂)NH(CH ₂) ₃ CH(NH ₂)COOCH ₃ ·2HCl C ₇ H ₁₆ N ₄ O ₂ ·2HCl M _r 261.15 [26340-90-6] purum M.P. ~190° dec.; [α] _D ²⁰ +21±1° (c = 2.5 in Methanol)	5 g 12. —	25 g 50. —
-------	--	-----------	------------

11040	L-Arginine monohydrochloride puriss. p.a. HN:C(NH ₂)NH(CH ₂) ₃ CH(NH ₂)COOH·HCl C ₆ H ₁₄ N ₄ O ₂ ·HCl M _r 210.67 [1119-34-2]	100 g 25. —	500 g 105. —
-------	--	-------------	--------------

Fluka-Guarantee:

Assay	>99.0%	Sulfate (SO ₄)	<0.1 %
[α] _D ²⁰ +26.2±0.5° (c = 5 in 5n HCl)		Copper (Cu)	<0.0001%
[α] _D ²⁰ +21.8±0.5° (c = 5 in 5n HCl)		Lead (Pb)	<0.0001%
Other amino acids	<0.3 %	Iron (Fe)	<0.0005%
Loss on drying	<0.1 %	Zink (Zn)	<0.0001%
Residue on ignition (as SO ₄)	<0.1 %	Cadmium (Cd)	<0.0001%

D-Arginine monohydrochloride

11050	HN:C(NH ₂)NH(CH ₂) ₃ CH(NH ₂)COOH·HCl C ₆ H ₁₄ N ₄ O ₂ ·HCl M _r 210.67 [627-75-8] puriss. [α] _D ²⁰ -26.2±0.5°; [α] _D ²⁰ -21.8±0.5° (c = 5 in 5n HCl)	1 g 20. —	5 g 85. —
-------	---	-----------	-----------

11060	DL-Arginine monohydrochloride purum >98% (Cl); M.P. <200° dec. HN:C(NH ₂)NH(CH ₂) ₃ CH(NH ₂)COOH·HCl C ₆ H ₁₄ N ₄ O ₂ ·HCl M _r 210.67	5 g 18. —	25 g 75. —
-------	---	-----------	------------

L-Arginyl-L-prolyl-L-lysyl-L-prolyl-L-glutaminyl-L-glutaminyl-L-phenylalanyl-L-phenylalanyl-glycyl-L-leucyl-L-methioninamide see 85965 Substance P**Arnolds Base** see 87800 4,4'-Methylenebis-(N,N-dimethylaniline)**(+)-Aromadendrene** {(1R,2S,8R,11R)-7-Methylene-3,3,11-trimethyltricyclo[6.3.0.0^{2,4}]undecane}

11067	3/4; 90° C ₁₅ H ₂₄ M _r 204.36 [489-39-4] purum >99% (GC); B.P. 261-263°; d ₄ ²⁰ 0.912; n _D ²⁰ 1.497	1 lt ≈ 0.91 kg	5 ml 24. —	25 ml 100. —
-------	---	----------------	------------	--------------

o-Arsanilic acid (2-Aminophenylarsonic acid)

11068	6.1/81j NH ₂ C ₆ H ₄ AsO ₃ H ₂ C ₆ H ₉ AsNO ₃ M _r 217.06 [2045-00-3] purum >98% (NT); M.P. 150-153°; Ash <0.5%	10 g 20. —	50 g 85. —
-------	--	------------	------------

11070	p-Arsanilic acid purum >98%; M.P. >300° (4-Aminophenylarsonic acid) 6.1/81j NH ₂ C ₆ H ₄ AsO ₃ H ₂ C ₆ H ₉ AsNO ₃ M _r 217.06 [98-50-0]	100 g 15. —	500 g 63. —
-------	---	-------------	-------------

Arsenazo I see 72160 Neothorin**Arsenazo III** [2,7-Bis(2-arsonophenylazo)chromotropic acid Disodium salt]

11090	6.1/81j (2-H ₂ O ₃ AsC ₆ H ₄ N:N) ₂ -2,7-C ₁₀ H ₂ -1,8-(OH) ₂ -3,6-(SO ₃ Na) ₂ C ₂₂ H ₁₆ As ₂ N ₄ Na ₂ O ₁₄ S ₂ M _r 820.34 [1668-00-4] p.a. for Determination of Th (photometric) and Zr (colorimetric); Z. analyt. Chem. 186, 318, 319 (1962)	5 g 21. —	25 g 90. —
-------	---	-----------	------------

Arsenic

11080	6.1/52 As A _r 74.92 [7440-38-2] puriss. in pieces 99.9995% for electronic purposes; heavy metals total (without Fe) 2-3 ppm; Fe <1 ppm; Sb not detectable; Inhalation and contact with skin should be avoided	Ampoules	25 g 63. —	100 g 225. —
-------	---	----------	------------	--------------

Arsenic Ion Standard Solution FLUKA

11082	1.000 g Arsenic/Liter/20°C; from As ₂ O ₃ ·NaOH; pH 3 with HNO ₃	1 lt ≈ 1.00 kg	500 ml 18. —
-------	---	----------------	--------------

Arsenic trioxide

11100	6.1/52a As ₂ O ₃ M _r 197.84 [1327-53-3] puriss. p.a.; Inhalation and contact with skin should be avoided Fluka-Guarantee: Assay (RT) >99.95% Insolubles in HCl <0.01 % Non volatile parts <0.02 % Chloride (Cl) <0.005% Sulfide (S) <0.001% Lead (Pb) <0.002% Copper (Cu) <0.0005% Iron (Fe) <0.0005% Antimony (Sb) <0.05 % Selenium (Se) <0.0005% Silver (Ag) <0.001 %	250 g 12. —	1 kg 40. —
-------	---	-------------	------------



			sFr.	sFr.
11101	purum p.a.; Inhalation and contact with skin should be avoided		250 g 9. —	1 kg 28. —
	Fluka-Guarantee:			
	Assay	>99.0 %	Lead (Pb)	<0.005%
	Chloride (Cl)	<0.005%	Iron (Fe)	<0.005%
	Sulfate (SO ₄)	<0.005%	Zinc (Zn)	<0.005%
	Copper (Cu)	<0.005%	Calcium (Ca)	<0.005%



Arsinetriphenyl see 92970 Triphenylarsine

2-(2-Arsenophenylazo)-7-(2-carboxyphenylazo)chromotropic acid Disodium salt see 21865 Carboxyarsenazo III

2-(2-Arsenophenylazo)chromotropic acid Disodium salt see 72160 Neothorin

1-(2-Arsenophenylazo)-2-naphthol-3,6-disulfonic acid Disodium salt see 89120 Thorin

L-Arterenol see 74460 L-Noradrenaline

DL-Arterenol see 74470 DL-Noradrenaline

L-Arterenol hydrochloride see 74480 L-Noradrenaline hydrochloride

DL-Arterenol hydrochloride see 74490 DL-Noradrenaline hydrochloride

L-Arterenol-L-hydrogentartrate see 74500 L-Noradrenaline-L-hydrogentartrate

Asarinaldehyde see 92133 2,4,5-Trimethoxybenzaldehyde

Asbestos

11115	purum p.a. for Gooch crucibles; Inhalation and contact with skin should be avoided		250 g 26. —	1 kg 95. —
	Fluka-Guarantee:			
	Solubles in water	<0.5 %	Sulfate (SO ₄)	<0.01 %
	Solubles in 5% Hydrochloric acid	<1.0 %	Copper (Cu)	<0.005%
	Loss on drying	<0.3 %	Lead (Pb)	<0.005%
	Residue on ignition	<2.0 %	Iron (Fe)	<0.1 %
	Chloride (Cl)	<0.01%	Zinc (Zn)	<0.005%
			Calcium (Ca)	<0.005%
11110	pract. Inhalation and contact with skin should be avoided		1 kg 15. —	
11120	techn. powder; residue on ignition; Inhalation and contact with skin should be avoided		1 kg 7. —	5 kg 21. —



Ascarite®

Sodium hydroxide-asbestos compound for the absorption of acidic gases.
Absorption capacity 60-90% 1 kg of Ascarite absorbs 200-300 g Carbon dioxide.
Cannot be regenerated

11133	8-20 mesh		250 g 31. —	1 kg 115. —
11135	20-30 mesh		250 g 31. —	1 kg 115. —

® Registered Trade Mark of the A. H. Thomas Co., Phil.

Ascorbic acid see 95210 Vitamin C

L(+) -Ascorbic acid Calcium salt

C₆H₆CaO₆·2H₂O M_r 250.22 [5743-28-2]

11138	purum >99% (NT); [α] _D ²⁰ + 115±2°; [α] _D ²⁰ + 95±2° (c = 5 in water)		100 g 13. —	500 g 55. —
-------	---	--	-------------	-------------

11140	L(+) -Ascorbic acid Sodium salt puriss. p.a.		250 g 24. —	1 kg 90. —
-------	---	--	-------------	------------

HOCH₂CH(OH)CH(ONa):C(OH)COO C₆H₇NaO₆ M_r 198.11 [134-03-2]

Fluka-Guarantee:

Assay	>99.0 %	Copper (Cu)	<0.0005%
Loss on drying	<0.25 %	Lead (Pb)	<0.0005%
[α] _D ²⁰ + 125±2° (c = 5 in H ₂ O)		Iron (Fe)	<0.0005%
[α] _D ²⁰ + 105±2° (c = 5 in H ₂ O)		Zinc (Zn)	<0.0005%
Chloride (Cl)	<0.005%	Calcium (Ca)	<0.0005%
Sulfate (SO ₄)	<0.005%		



"Ascorbylpalmitate" see 76183 6-O-Palmitoyl-L-ascorbic acid

L-Asparagine anhydrous (3-Aminosuccinic acid-1-amide; Aspartic acid-4-amide)

NH₂COCH₂CH(NH₂)COOH C₄H₈N₂O₃ M_r 132.12 [70-47-3]

11150	puriss. p.a.		10 g 7. —	50 g 21. —	250 g 90. —
-------	--------------	--	-----------	------------	-------------

Fluka-Guarantee:

Assay	>99.0%	Sulfate (SO ₄)	<0.01 %
[α] _D ²⁰ + 41.8±0.5° (c = 5 in 5N HCl)		Copper (Cu)	<0.0001%
[α] _D ²⁰ + 35.0±0.5° (c = 5 in 5N HCl)		Lead (Pb)	<0.0001%
Other amino acids	<0.5 %	Iron (Fe)	<0.0005%
Loss on drying	<0.1 %	Zinc (Zn)	<0.0001%
Residue on ignition (as SO ₄)	<0.1 %	Cadmium (Cd)	<0.0001%
Chloride (Cl)	<0.01%		



				sFr.	sFr.
11160	L-Asparagine Monohydrate	$\text{NH}_2\text{COCH}_2\text{CH}(\text{NH}_2)\text{COOH} \cdot \text{H}_2\text{O}$ $\text{C}_4\text{H}_8\text{N}_2\text{O}_3 \cdot \text{H}_2\text{O}$ M_r 150.14 [5794-13-8]			
	puriss. >99% (NT); $[\alpha]_{546}^{20} + 35.5 \pm 1^\circ$; $[\alpha]_D^{20} + 29.5 \pm 1^\circ$ (c = 5 in 3n HCl)		10 g 7.—	50 g 11.—	250 g 46.—
11170	D-Asparagine Monohydrate	$\text{NH}_2\text{COCH}_2\text{CH}(\text{NH}_2)\text{COOH} \cdot \text{H}_2\text{O}$ $\text{C}_4\text{H}_8\text{N}_2\text{O}_3 \cdot \text{H}_2\text{O}$ M_r 150.14 [2058-58-4]			
	puriss. CHR >99% (NT); $[\alpha]_{546}^{20} - 35.5 \pm 1^\circ$; $[\alpha]_D^{20} - 29.5 \pm 1^\circ$ (c = 5 in 3n HCl)			25 g 9.—	100 g 30.—
11180	DL-Asparagine Monohydrate puriss. >99% (NT); Ash <0.1%	$\text{NH}_2\text{COCH}_2\text{CH}(\text{NH}_2)\text{COOH} \cdot \text{H}_2\text{O}$ $\text{C}_4\text{H}_8\text{N}_2\text{O}_3 \cdot \text{H}_2\text{O}$ M_r 150.14 [3130-87-4]		100 g 22.—	500 g 90.—
11190	L-Aspartic acid puriss. p.a. (Aminosuccinic acid)	$\text{HOOCCH}_2\text{CH}(\text{NH}_2)\text{COOH}$ $\text{C}_4\text{H}_7\text{NO}_4$ M_r 133.11 [56-84-8]	50 g 7.—	250 g 18.—	1 kg 65.—
	Fluka-Guarantee:				
	Assay >99.0%	Sulfate (SO_4) <0.01 %			
	$[\alpha]_{546}^{20} + 29.5 \pm 0.5^\circ$ (c = 5 in 5n HCl)	Ammonium (NH_4) <0.01 %			
	$[\alpha]_D^{20} + 24.7 \pm 0.5^\circ$ (c = 5 in 5n HCl)	Copper (Cu) <0.0001 %			
	Other amino acids <0.3 %	Lead (Pb) <0.0001 %			
	Loss on drying <0.1 %	Iron (Fe) <0.0005 %			
	Residue on ignition (as SO_4) <0.1 %	Zinc (Zn) <0.0001 %			
	Chloride (Cl) <0.01 %	Cadmium (Cd) <0.0001 %			
11200	D-Aspartic acid	$\text{HOOCCH}_2\text{CH}(\text{NH}_2)\text{COOH}$ $\text{C}_4\text{H}_7\text{NO}_4$ M_r 133.11 [1783-96-6]			
	puriss. CHR >99% (NT); $[\alpha]_{546}^{20} - 29.5 \pm 1^\circ$; $[\alpha]_D^{20} - 24.7 \pm 1^\circ$ (c = 5 in 5n HCl)			10 g 18.—	50 g 75.—
11210	DL-Aspartic acid	$\text{HOOCCH}_2\text{CH}(\text{NH}_2)\text{COOH}$ $\text{C}_4\text{H}_7\text{NO}_4$ M_r 133.11 [617-45-8]			
	puriss. CHR >99% (NT); M.P. $\sim 280^\circ$ dec.; Ash <0.05%		100 g 8.—	500 g 29.—	1 kg 45.—
11211	L-Aspartic acid 4-benzyl ester	$\text{C}_6\text{H}_5\text{CH}_2\text{OCOCH}_2\text{CH}(\text{NH}_2)\text{COOH}$ $\text{C}_{11}\text{H}_{13}\text{NO}_4$ M_r 223.23 [2177-63-1]			
	puriss. CHR >99% (NT); M.P. $\sim 225^\circ$ dec.; $[\alpha]_{546}^{20} + 32 \pm 1^\circ$; $[\alpha]_D^{20} + 27.5 \pm 1^\circ$ (c = 1.2 in n-HCl)			1 g 15.—	5 g 63.—
11215	L-Aspartic acid dibenzyl ester toluene-4-sulfonate	$\text{C}_6\text{H}_5\text{CH}_2\text{OCOCH}(\text{NH}_2)\text{CH}_2\text{COOCH}_2\text{C}_6\text{H}_5 \cdot \text{HOSO}_2\text{C}_6\text{H}_4\text{CH}_3$ $\text{C}_{18}\text{H}_{19}\text{NO}_4 \cdot \text{C}_7\text{H}_6\text{O}_3\text{S}$			
	M_r 485.56 [2886-33-1] puriss. M.P. 157-159°; $[\alpha]_{546}^{20} + 10 \pm 0.5^\circ$; $[\alpha]_D^{20} + 8.5 \pm 0.5^\circ$ (c = 2 in Chlf.)			5 g 29.—	
11225	L-Aspartic acid di-tert-butylester dibenzenesulfimide salt	$(\text{CH}_3)_3\text{COCOCH}(\text{NH}_2)\text{CH}_2\text{COOC}(\text{CH}_3)_3 \cdot \text{C}_{12}\text{H}_{11}\text{NO}_4\text{S}_2$ $\text{C}_{12}\text{H}_{23}\text{NO}_4 \cdot \text{C}_{12}\text{H}_{11}\text{NO}_4\text{S}_2$			
	M_r 542.68 [13795-73-8] (free ester) puriss. M.P. 149-151°; $[\alpha]_{546}^{20} + 7.5 \pm 0.5^\circ$; $[\alpha]_D^{20} + 6.8 \pm 0.5^\circ$ (c = 2 in Pyridine)			1 g 16.—	5 g 67.—
11260	L-Aspartic acid Magnesium salt (Magnesium-L-aspartate)	$[\text{HOOCCH}(\text{NH}_2)\text{CH}_2\text{COO}]_2\text{Mg} \cdot 2\text{H}_2\text{O}$ $\text{C}_8\text{H}_{12}\text{MgN}_2\text{O}_8 \cdot 2\text{H}_2\text{O}$ M_r 324.54			
	[18962-61-3] purum $[\alpha]_{546}^{20} + 24 \pm 2^\circ$; $[\alpha]_D^{20} + 20 \pm 1^\circ$ (c = 8 in 6n HCl)			100 g 11.—	500 g 46.—
11270	DL-Aspartic acid Magnesium salt purum >98% (NT) (Magnesium-DL-aspartate)	$[\text{HOOCCH}(\text{NH}_2)\text{CH}_2\text{COO}]_2\text{Mg} \cdot 4\text{H}_2\text{O}$ $\text{C}_8\text{H}_{12}\text{MgN}_2\text{O}_8 \cdot 4\text{H}_2\text{O}$ M_r 360.57			
	[2068-80-6]			250 g 22.—	1 kg 80.—
11230	L-Aspartic acid Potassium salt (Potassium-L-aspartate)	$\text{HOOCCH}(\text{NH}_2)\text{CH}_2\text{COOK}$ $\text{C}_4\text{H}_6\text{KNO}_4$ M_r 171.20 [14007-45-5]			
	purum >97% (T); $[\alpha]_{546}^{20} - 17 \pm 1^\circ$; $[\alpha]_D^{20} - 13.5 \pm 1^\circ$ (c = 1 in water); H_2O <3%			100 g 11.—	500 g 46.—
11240	DL-Aspartic acid Potassium salt (Potassium-DL-aspartate)	$\text{HOOCCH}(\text{NH}_2)\text{CH}_2\text{COOK} \cdot \frac{1}{2}\text{H}_2\text{O}$ $\text{C}_4\text{H}_6\text{KNO}_4 \cdot \frac{1}{2}\text{H}_2\text{O}$ M_r 180.21 [14434-35-6]			
	purum $\sim 99\%$ (NT)			100 g 11.—	500 g 46.—
11250	L-Aspartic acid Potassium-Magnesium salt (Potassium-Magnesium-L-aspartate)	purum powder $\sim 97\%$; (50% K-salt + 50% Mg-salt) [14842-81-0]		100 g 11.—	500 g 46.—
	5'-ATP see 02080 Adenosine 5'-triphosphoric acid				
	5'-ATP-Na_2 see 02060 Adenosine 5'-triphosphate Disodium salt				
	ATP:AMP Phosphotransferase see 70040 Myokinase				
	Atrol see 39000 2-Dimethylaminoethanol D-hydrogentartrate				



			sFr.	sFr.
11310	DL-Atrolactic acid Hemihydrate (2-Hydroxy-2-phenylpropionic acid; 2-Phenyllactic acid) $C_6H_5C(CH_3)(OH)COOH \cdot \frac{1}{2}H_2O$ $C_8H_{10}O_3 \cdot \frac{1}{2}H_2O$ M_r 175.18 [515-30-0] purum >98%(T); M.P. 89-91°		5 g 29. —	
11320	Atropine purum ~97%(NT); M.P. 115-116°; Ash <0.05% [(±)-Hyoscyamine] 6.1/81e $C_{17}H_{23}NO_3$ M_r 289.38 [51-55-8]		5 g 9. —	25 g 33. —
11330	Atropine sulfate Monohydrate purum Ph. Eur. >98%(NT); M.P. 189-192°; Ash <0.05% 6.1/81e $(C_{17}H_{23}NO_3)_2 \cdot H_2SO_4 \cdot H_2O$ M_r 694.85 [55-48-1]		5 g 9. —	25 g 33. —
	Aubepine see 10440 Anisaldehyde			
11340	Auramine O [C.I. Nr. 41000; Sch. Nr. 752] (Pyocyaninum aureum) [(CH ₃) ₂ NC ₆ H ₄] ₂ C:NH.HCl.H ₂ O $C_{17}H_{21}N_3 \cdot HCl \cdot H_2O$ M_r 321.86 [2465-27-2] Standard Fluka for Microscopy (Bact., Bot., Hist., Fl.); Detection of Pb; Noncompetitive inhibitor of horse liver alcohol dehydrogenase (specific fluorescent complex formation): R. H. Conrad et al., Biochemistry 9, 1540 (1970); Fluorescence of free and Protein- bound Auramine O: R. F. Chem. Arch. Biochem. Biophys. 179, 672 (1977)	25 g 7. —	100 g 10. —	500 g 40. —
11350	Aurantia [C.I. Nr. 10360; Sch. Nr. 15] (2,2',4,4',6,6'-Hexanitrodiphenylamine Ammonium salt) 2,4,6-(NO ₂) ₃ C ₆ H ₂ H:C ₆ H ₂ -2,6-(NO ₂) ₂ -4-:N(:O)ONH ₄ $C_{12}H_8N_8O_{12}$ M_r 456.24 [33012-29-2] Standard Fluka for Microscopy (Hist.); Moistened with ~25% H ₂ O		10 g 18. —	50 g 75. —
	Aurin see 83910 p-Rosolic acid			
11360	Aurintricarboxylic acid Ammonium salt [C.I. Nr. 43810; Sch. Nr. 846] (Aluminon) (4-HOC ₆ H ₃ -3-COONH ₄) ₂ C:C ₆ H ₃ -3-(COONH ₄):O $C_{22}H_{23}N_3O_9$ M_r 473.44 purum p.a. Determination of: Al, F; Detection of: Al, Ga, Se, Th; Ash ~1%	10 g 8. —	50 g 26. —	100 g 110. —
11365	Avicel PH-101® Average mesh size 50 micron (Cellulose mikrokristallin) ® Registered Trade Mark of FMC Co., Philadelphia		250 g 9. —	1 kg 30. —
11370	8-Azaadenine purum >98%(UV); M.P. >300° (6-Amino-8-azapurine) $C_4H_4N_6$ M_r 136.12 [1123-54-2]		1 g 25. —	5 g 105. —
	1-Azabicyclo[2.2.2]octane hydrochloride see 22712 Quinuclidine hydrochloride			
	1-Azabicyclo[2.2.2]octan-3-one hydrochloride see 22711 3-Quinuclidone hydrochloride			
	Aza-2-cycloheptanone see 21500 6-Caprolactam			
	Aza-2-cyclononanone see 21631 Caprylolactam			
	Azacyclooctane see 51710 Heptamethylenimine			
	Aza-2-cyclooctane see 75173 Oenanthalactam			
	Aza-2-cyclotridecanone see 61600 Laurolactam			
	Aza-2-cycloundecanone see 21405 Caprinolactam			
11385	5-Azacytidine [4-Amino-1-(β-D-ribofuranosyl)-1,3,5-triazin-2(1H)-one] $C_8H_{12}N_4O_5$ M_r 244.21 [320-67-2] purum >97%(N); M.P. 226-232° dec.		100 mg 20. —	1 g 160. —
11401	1-Aza-4,6-dioxabicyclo[3.3.0]octane (4,6-Dioxa-1-azabicyclo[3.3.0]octane) $C_5H_9NO_2$ M_r 115.13 purum >98%(GC); B.P. 65-66°; d_4^{20} 1.18; n_D^{20} 1.466	1 lt ≈ 1.18 kg	5 ml 17. —	25 ml 70. —
11405	4-Azafluorene pract. >97%(NT); M.P. 93-95° $C_{12}H_9N$ M_r 167.21 [244-99-5]		5 g 21. —	25 g 90. —
11407	4-Azafluorenone purum >98%(N); M.P. 139-141° $C_{12}H_7NO$ M_r 181.20 [3882-46-03]		1 g 22. —	5 g 90. —
11410	8-Azaguanine (2-Amino-6-hydroxy-8-azapurine; Guanazolo) $C_4H_4N_6O$ M_r 152.12 [134-58-7] puriss. ~99%(UV); M.P. >300°; Ash <0.2%		1 g 11. —	5 g 44. —
11440	6-Azathymine purum M.P. 212-215° (3,5-Dihydroxy-6-methyl-1,2,4-triazine) N:C(OH)N:C(OH)C(CH ₃):N $C_4H_6N_3O_2$ M_r 127.10 [932-53-6]		5 g 40. —	25 g 165. —
11450	6-Azauracil purum >98%(UV); M.P. 275-278° (3,5-Dihydroxy-1,2,4-triazine) N:C(OH)N:C(OH)CH:N $C_3H_3N_3O_2$ M_r 113.08 [461-89-2]		5 g 21. —	25 g 100. —

			sFr.	sFr.
11460	8-Azaxanthine (2,6-Dihydroxy-8-azapurine) $C_4H_3N_5O_2 \cdot H_2O$ M_r 171.11 [1468-26-4] puriss. M.P. >300°; log ϵ 3.77 (pH = 2)		1 g 16.—	5 g 67.—
11470 11480	Azelaic acid (Dicarboxylic acid C_9 ; Nonanedioic acid) $HOOC(CH_2)_7COOH$ $C_9H_{16}O_4$ M_r 188.23 puriss. >99% (GC); M.P. 103-106°; Ash <0.1% techn. ~85% (GC); M.P. 94-98°		25 g 14.— 250 g 9.—	100 g 50.— 1 kg 30.—
11520	Azelaic acid dichloride (Azelaoyl chloride) $ClOC(CH_2)_7COCl$ $C_9H_{14}Cl_2O_2$ M_r 225.12 [123-98-8] pract. ~95% (GC); B.P. _{0.5} 115°; d_4^{20} 1.143; n_D^{20} 1.468	1 lt $\approx$ 1.14 kg	25 ml 40.—	100 ml 145.—
	Azelaic acid dinitrile see 11540 Azelonitrile			
	Azelaoyl chloride see 11520 Azelaic acid dichloride			
11540	Azelonitrile (Azelaic acid dinitrile; Heptamethylene dicyanide) 6.1/21 $NC(CH_2)_7CN$ $C_9H_{14}N_2$ M_r 150.22 [1675-69-0] pract. ~93% (GC); B.P. _{0.2} 124°	1 lt $\approx$ 0.92 kg	25 ml 24.—	100 ml 90.—
	Azetidine see 92457 Trimethyleneimine			
11550	4-Azidophenacyl bromide $N_3C_6H_4COCH_2Br$ $C_8H_6BrN_3O$ M_r 240.07 [57018-46-9] purum >98% (Br); M.P. 64-65°; Versatile new photolabile bifunctional reagent which was successfully used in binding studies (ribosome-t-RNA): S. S. Hixson, S. H. Hixson, Photochem. Photobiol. 18, 135 (1973); I. Schwarz, J. Ofengand, Proc. Nat. Acad. Sci. USA 71, 230 (1974)		1 g 30.—	5 g 125.—
	Azidotrimethylsilane see 92753 Trimethylsilyl azide			
11560 11570	Azobenzene 6.1/21 $C_6H_5N:NC_6H_5$ $C_{12}H_{10}N_2$ M_r 182.23 [103-33-3] puriss. ~99% (UV); M.P. 67-68°; Ash <0.05% techn. ~70% (UV); M.P. 50-55°		100 g 32.— 500 g 24.—	500 g 135.— 2.5 kg 100.—
11580	Azobenzene-2-sulphenyl bromide 6.1/21 $C_6H_5N:NC_6H_4SBr$ $C_{12}H_9BrN_2S$ M_r 293.19 [2849-62-9] purum >99% (Br); M.P. 215-220° dec.; For the selective modification of cysteinyl residues by the formation of unsymmetrical disulfides: A. Fontana, F. M. Veronese and E. Scoffone, Biochemistry 7, 3901 (1968); A. Fontana and E. Scoffone, Methods in Enzymology, Vol. XXV, 482 (1972)		1 g 16.—	5 g 67.—
	2,2'-Azobiphenyl see 12330 Benzo[c]cinnoline			
11590	4,4'-Azo-bis(4-cyanopentanoic acid) [4,4'-Azo-bis(4-cyanovaleric acid)] 6.1/21 $HOOCCH_2CH_2C(CH_3)(CN)N:NC(CH_3)(CN)CH_2CH_2COOH$ $C_{12}H_{16}N_4O_4$ M_r 280.29 [2638-94-0] purum >98% (T); M.P. 118-123° dec.; H_2O <1%		25 g 14.—	100 g 50.—
	2,2'-Azo-bis(2-methylpropionitrile) see 11630 α, α' -Azo-isobutyronitrile			
11598	Azocarmine B [C.I. Nr. 50090] Standard Fluka; M.P. >300° $C_{28}H_{19}ClN_3$ M_r 432.94 [25360-72-9]		10 g 16.—	50 g 67.—
11600	Azocarmine G [C.I. Nr. 50085; Sch. Nr. 949] (Rosinduline) $C_{28}H_{17}N_3Na_2O_8S_2$ M_r 601.57 [25641-18-3] Standard Fluka for Microscopy (Hist.)		10 g 33.—	50 g 120.—
11610	Azocasein Ash ~5%; Loss on drying <5%; store in refrigerator		1 g 20.—	10 g 160.—
11621	Azodicarbonamide purum >98% (N); M.P. 245-250° 4.2/16 $NH_2CON:NCONH_2$ $C_2H_4N_4O_2$ M_r 116.08 [123-77-3]		250 g 13.—	1 kg 45.—
	1-Azo-2-hydroxy-3-(2,4-dimethylcarboxanilido)naphthalene-1'-(2-hydroxybenzene) see 63150 Magon			
	[1-Azo-2-hydroxy-3-(2,4-dimethyl-carboxanilido)-naphthalene-1'-2-hydroxybenzene-5-sulfonic acid Sodium salt] see 95640 Xylidyl Blue I			
11630	α, α'-Azoisobutyronitrile [2,2'-Azo-bis(2-methylpropionitrile)] 4.2/16 $(CH_3)_2C(CN)N:NC(CH_3)_2CN$ $C_8H_{12}N_4$ M_r 164.21 [78-67-1] purum >98% (N); M.P. 102-104° dec.; Ash <1%		100 g 9.—	500 g 34.—

				sFr.	sFr.
	Azophloxine [C.I. Nr. 18050; Sch. Nr. 40] C ₆ H ₅ N:N-2-C ₁₀ H ₃ -1-OH-3,6-(SO ₃ Na) ₂ -8-NHCOCH ₃ C ₁₈ H ₁₃ N ₃ Na ₂ O ₈ S ₂ M _r 509.43 [3734-67-6]				
11640	Standard Fluka for Microscopy (Hist.)			25 g 8.—	100 g 20.—
	Azoviolet see 73020 4-(4-Nitrophenylazo)resorcinol				
11643	4,4'-Azoxyanisole purum <98%(N); M.P. 117-119° CH ₃ OC ₆ H ₄ N:N(O)C ₆ H ₄ OCH ₃ C ₁₄ H ₁₄ N ₂ O ₃ M _r 258.28 [1592-94-3]			10 g 10.—	50 g 40.—
	Azulene (Bicyclo[5.3.0]decapentaene) (see also Guajazulene) C ₁₀ H ₈ M _r 128.18 [275-51-4]				
11650	puriss. ~98%(UV); M.P. 98-99°; λ _{max} 270nm, log ε 4.72 in Heptane			250 mg 29.—	1 g 105.—
11665	Azure A [C.I. Nr. 52005] Standard Fluka 3-(CH ₃) ₂ NC ₆ H ₃ :NC ₆ H ₃ -7-NH ₂ :S(Cl) C ₁₄ H ₁₄ ClN ₃ S M _r 291.80 [531-53-3]			10 g 15.—	50 g 63.—
	Azure B [C.I. Nr. 52010; Sch. Nr. 1039] (Methyleneazure) 2-CH ₃ NHC ₆ H ₃ :NC ₆ H ₃ -7-N(CH ₃) ₂ :S(Cl) C ₁₅ H ₁₆ ClN ₃ S M _r 305.83 [531-55-5]				
11660	Standard Fluka for Microscopy (Bact., Hist.)			10 g 18.—	50 g 75.—
	Azure II [C.I. Nr. 52010/52015; Sch. Nr. 1038/1039] [37247-10-2]				
11670	Standard Fluka for Microscopy (Bact., Hist.)			10 g 9.—	50 g 32.—
11690	Azure II-Eosin Standard Fluka for Microscopy (Bact., Hist.) [53092-85-6]			10 g 8.—	50 g 29.—
11700	Azure Mixture sicc. (see also Giemsa solution) Standard Fluka for Microscopy (Bact., Hist.)			10 g 14.—	50 g 60.—
	BAA see 12890 N _α -Benzoyl-L-argininamide hydrochloride Monohydrate				
	BACO see 33480 1,4-Diazabicyclo[2.2.2]octane				
	BAEE see 12880 N _α -Benzoyl-L-arginine ethyl ester hydrochloride				
	BAL see 38520 2,3-Dimercapto-1-propanol				
	BAME see 12900 N _α -Benzoyl-L-arginine methylester hydrochloride				
	BANA see 12910 N _α -Benzoyl-DL-arginine-2-naphthylamide hydrochloride				
	BANI see 12920 N _α -Benzoyl-DL-arginine-4-nitroanilide hydrochloride				
	BAO see 11701 Bis(4-aminophenyl)-1,3,4-oxadiazole				
	BAPNA see 12920 N _α -Benzoyl-DL-arginine-4-nitroanilide hydrochloride				
	Barbital see 32000 Diethylbarbituric acid				
	Barbituric acid (Malonylurea; 2,4,6-Trihydroxypyrimidine) N:C(OH)N:C(OH)CH:COH C ₄ H ₄ N ₂ O ₃ M _r 128.09 [67-52-7]				
11710	purum >99%(T); M.P. 250-252° dec.; Ash <0.05%			100 g 9.—	500 g 34.—
	Barbituric acid Sodium salt see 11715 Sodium barbiturate				
11720	Barium in Rods puriss. 99.5% 4.3/1a Ba A _r 137.34 [7440-39-3]			25 g 13.—	100 g 45.—
	Barium Ion-Standard Solution				
11722	1.000 g Barium/Liter/20°C; from BaCl ₂ ; pH 6		1 lt ≈ 1.00 kg	500 ml 18.—	
11725	Barium acetate purum p.a. 6.1/71 (CH ₃ COO) ₂ Ba C ₄ H ₆ BaO ₄ M _r 255.43 [543-80-6]			500 g 9.—	1 kg 16.—
	Fluka-Guarantee:				
	Assay	>98.0 %	Lead (Pb)	<0.005%	
	Chloride (Cl)	<0.005%	Iron (Fe)	<0.005%	
	Sulfate (SO ₄)	<0.005%	Zinc (Zn)	<0.005%	
	Copper (Cu)	<0.005%	Calcium (Ca)	<0.005%	
	Barium carbonate				
11729	6.1/71 BaCO ₃ CBaO ₃ M _r 197.37 [513-77-9]			250 g 10.—	1 kg 28.—
	puriss. p.a.				
	Fluka-Guarantee:				
	Assay	>99.0 %	Calcium (Ca)	<0.01 %	
	Hydroxide and Alkali		Chloride (Cl)	<0.002 %	
	carbonate [as Ba (OH) ₂]	<0.02 %	Nitrate (NO ₃)	<0.005 %	
	Insolubles in Hydrochloric		Sulfide (S)	<0.0005%	
	acid	<0.01 %	With H ₂ SO ₄ not precipitable		
	Heavy metals (as Pb)	<0.001%	parts (as SO ₄)	<0.1 %	
	Iron (Fe)	<0.001%			



						sFr.	sFr.
11730	purum p.a. Fluka-Guarantee:					1 kg 12.—	5 kg 50.—
	Assay	>98.0 %	Iron (Fe)	<0.005%			
	Copper (Cu)	<0.005%	Zinc (Zn)	<0.005%			
	Lead (Pb)	<0.01 %					
Barium chloranilate see 23370 Chloranilic acid Barium salt							
Barium chlorate Monohydrate							
5.1/4a	Ba(ClO ₃) ₂ ·H ₂ O BaCl ₂ O ₆ ·H ₂ O	M _r 322.26	[10294-38-9]				
11749	puriss. >99%(T)					100 g 7.—	500 g 17.—
11750	purum p.a. Fluka-Guarantee:					1 kg 12.—	
	Assay (T)	>98.0 %	Lead (Pb)	<0.005%			
	Chloride (Cl)	<0.001%	Iron (Fe)	<0.005%			
	Sulfate (SO ₄)	<0.005%	Zinc (Zn)	<0.005%			
	Copper (Cu)	<0.005%	Calcium (Ca)	<0.005%			
Barium chloride							
6.1/71	BaCl ₂ ·2H ₂ O	M _r 244.28	[10361-37-2]				
11760	puriss. p.a. Fluka-Guarantee:					250 g 7.—	1 kg 15.—
	Assay (argentometr.)	>99.0 %	Calcium (Ca)	<0.002 %			
	Insolubles in water	<0.005%	Strontium (Sr)	<0.005 %			
	pH (5% solution in water 20°C)	5.0-8.0	Heavy metals (as Pb)	<0.00025%			
	Components not ppt. with dilute H ₂ SO ₄ (as Sulfate)	<0.02 %	Iron (Fe)	<0.0001 %			
11762	purum p.a. Fluka-Guarantee:					1 kg 8.—	5 kg 29.—
	Assay	>98.0 %	Lead (Pb)	<0.005%			
	Sulfate (SO ₄)	<0.005%	Iron (Fe)	<0.005%			
	Copper (Cu)	<0.005%	Zinc (Zn)	<0.005%			
11763	Barium chromate purum p.a.					250 g 9.—	1 kg 28.—
5.1/10	BaCrO ₄	M _r 253.33	[10294-40-3]				
	Fluka-Guarantee:						
	Assay	>98.0 %	Iron (Fe)	<0.01 %			
	Copper (Cu)	<0.005%	Zinc (Zn)	<0.005%			
	Lead (Pb)	<0.01 %					
Barium 2-cyanoethyl phosphate see 28310 2-Cyanoethyl phosphate Barium salt Dihydrate							
11765	Barium fluoride purum p.a.					1 kg 12.—	
6.1/71	BaF ₂	M _r 175.34	[7787-32-8]				
Barium hydroxide							
6.1/71	Ba(OH) ₂ ·8H ₂ O BaH ₂ O ₂ ·8H ₂ O	M _r 315.48	[17194-00-2]				
11780	puriss. p.a. cryst. Fluka-Guarantee:					250 g 7.—	1 kg 14.—
	Assay	>98.0 %	Iron (Fe)	<0.0005%			
	Bariumcarbonate	<2 %	Heavy metals (as Pb)	<0.0005%			
	Insolubles in HCl	<0.005 %	Calcium (Ca)	<0.002 %			
	Chloride (Cl)	<0.002 %	Strontium (Sr)	<0.5 %			
	Sulfide (S)	<0.0005%					
11781	purum p.a. Fluka-Guarantee:					1 kg 10.—	5 kg 37.—
	Assay	>98.0 %	Iron (Fe)	<0.005%			
	Sulfate (SO ₄)	<0.005%	Zinc (Zn)	<0.005%			
	Copper (Cu)	<0.005%	Calcium (Ca)	<0.005%			
	Lead (Pb)	<0.005%					
11783	Barium hydroxide Monohydrate purum p.a.					1 kg 10.—	5 kg 37.—
6.1/71	Ba(OH) ₂ ·H ₂ O BaH ₂ O ₂ ·H ₂ O	M _r 189.37	[22326-55-2]				
	Fluka-Guarantee:						
	Assay	>98.0 %	Iron (Fe)	<0.005%			
	Copper (Cu)	<0.005%	Zinc (Zn)	<0.005%			
	Lead (Pb)	<0.01 %	Calcium (Ca)	<0.05 %			
11785	Barium iodide purum >97%(I)					50 g 20.—	250 g 85.—
6.1/71	BaI ₂	M _r 391.15	[13718-50-8]				

sFr.

sFr.

BariummanganateBaMnO₄ M_r 256.28 [7787-35-1]

- 11786 purum; Efficient oxidizing agent for conversion of primary and secondary alcohols to carbonyl compounds: H. Firouzabadi, E. Ghaderi, Tetrahedron Lett. 839 (1978)

25 g 31. —

100 g 115. —

- 11787 **Barium nitrate** purum p.a.

1 kg 11. —

5.1/7c Ba(NO₃)₂ BaN₂O₆ M_r 261.35 [10022-31-8]

Fluka-Guarantee:

Assay	>98.0 %	Lead (Pb)	<0.005%
Chloride (Cl)	<0.01 %	Iron (Fe)	<0.005%
Sulfate (SO ₄)	<0.01 %	Zinc (Zn)	<0.005%
Copper (Cu)	<0.005%	Calcium (Ca)	<0.005%



- 11790 **Barium nitrite** purum p.a.

50 g 18. —

250 g 75. —

5.1/8 Ba(NO₂)₂·H₂O BaN₂O₄·H₂O M_r 247.37 [13465-94-6]

Fluka-Guarantee:

Assay	>98.0 %	Lead (Pb)	<0.01 %
Chloride (Cl)	<0.01 %	Iron (Fe)	<0.005%
Sulfate (SO ₄)	<0.01 %	Zinc (Zn)	<0.005%
Copper (Cu)	<0.005%	Calcium (Ca)	<0.005%



- 11793 **Barium oxide anhydrous** purum p.a.

500 g 24. —

BaO M_r 153.34 [1304-28-5]

Fluka-Guarantee:

Assay	>97.0 %	Lead (Pb)	<0.01 %
Chloride (Cl)	<0.02 %	Iron (Fe)	<0.02 %
Copper (Cu)	<0.005%	Zinc (Zn)	<0.005%



- 11795 **Barium perchlorate anhydrous** purum p.a. H₂O ~0.5%

250 g 22. —

1 kg 80. —

5.1/4b Ba(ClO₄)₂ BaCl₂O₈ M_r 336.24 [13465-95-7]

Fluka-Guarantee:

Assay	>98.0 %	Lead (Pb)	<0.005%
Chloride (Cl)	<0.005%	Iron (Fe)	<0.005%
Sulfate (SO ₄)	<0.005%	Zinc (Zn)	<0.005%
Copper (Cu)	<0.005%	Calcium (Ca)	<0.005%

**Barium perchlorate Trihydrate**5.1/4b Ba(ClO₄)₂·3H₂O BaCl₂O₈·3H₂O M_r 390.29 [13465-95-7]

- 11800 puriss. p.a.

100 g 12. —

500 g 50. —

Fluka-Guarantee:

Assay	>99.0 %	Chloride (as Cl)	<0.05 %
Insolubles in water	<0.005%	Sulfate (SO ₄)	<0.001 %
Insolubles in alcohol	<0.05 %	Heavy metals (as Pb)	<0.0005%
Free alkali [as Ba(OH) ₂]	<0.02 %	Iron (Fe)	<0.0002%
Free acid (as HClO ₄)	<0.02 %		



- 11810 purum p.a. cryst.

500 g 37. —

Fluka-Guarantee:

Assay	>98.0 %	Lead (Pb)	<0.005%
Chloride (Cl)	<0.005%	Iron (Fe)	<0.005%
Sulfate (SO ₄)	<0.005%	Zinc (Zn)	<0.005%
Copper (Cu)	<0.005%	Calcium (Ca)	<0.005%



- 11840 **Barium selenite** purum ~29% Se

100 g 11. —

500 g 46. —

6.1/71 BaSeO₃ BaO₃Se M_r 264.30 [1304-39-8]

- 11845 **Barium sulfate** purum p.a. powder precipitated; Residue on ignition

1 kg 7. —

5 kg 24. —

BaSO₄ BaO₄S M_r 233.40 [7727-43-7]

- 11850 **Barium tetracyanoplatinate(II)** puriss. ~38.4% Pt

1 g 50. —

6.1/71 BaPt(CN)₄·4H₂O C₄BaN₄Pt·4H₂O M_r 508.56 [562-81-2]**Barium toluene-4-sulfonate** see 89780 Toluene-4-sulfonic acid Barium salt**Bates' Reagent** {μ-Oxo-bis[tris(dimethylamino)phosphonium]bis(tetrafluoroborate)}8/31a [(CH₃)₂N]₃P⁺OP⁺[N(CH₃)₂]₃[BF₄]₂ C₁₂H₃₆B₂F₈N₆OP₂ M_r 516.02 [55881-03-3]

- 11855 purum >99% (N); M.P. 190-200°; peptide coupling reagent: A. J. Bates, I. J. Galpin, A. Hallett, D. Hudson, G. W. Kenner, R. Ramage, R. C. Sheppard, Helv. Chim. Acta 58, 688 (1975); I. J. Galpin, P. F. Gordon, R. Ramage, W. D. Thorpe, Tetrahedron 32, 2417 (1976)

1 g 25. —

5 g 105. —

sFr.

sFr.

11860	Bathocuproine (2,9-Dimethyl-4,7-diphenyl-1,10-phenanthroline) (CH ₃) ₂ C ₁₂ H ₄ N ₂ (C ₆ H ₅) ₂ C ₂₆ H ₂₀ N ₂ M _r 360.46 [4733-39-5] puriss. p.a. ~99%(UV); M.P. 282-285°; λ _{max} 278 nm; log ε 4.62 for colorimetric Cu-determination; Anal. Chem. 29, 414 (1957)		250 mg 13.—	1 g 45.—
	Bathocuproinedisulfonic acid Disodium salt (CH ₃) ₂ C ₁₂ H ₄ N ₂ (C ₆ H ₄ SO ₃ Na) ₂ C ₂₆ H ₁₈ N ₂ Na ₂ O ₆ S ₂ M _r 564.55 [52698-84-7] puriss. p.a. ~99%(T; dry); for colorimetric Cu-determination; Zak, Clin. Chim. Acta 3, 328 (1958)		250 mg 16.—	1 g 55.—
11880	Bathophenanthroline (4,7-Diphenyl-1,10-phenanthroline) (C ₆ H ₅) ₂ C ₁₂ H ₆ N ₂ C ₂₄ H ₁₆ N ₂ M _r 332.41 [1662-01-7] puriss. p.a. ~99%(NT); M.P. 218-220°; for colorimetr. Fe-determination in Serum; Anal. Chem. 25, 1337 (1953); in Urine id. 30, 2016 (1958); Z. anal. Chem. 261, 222 (1972): Determination of Fe II-traces in presence of Fe III		100 mg 7.—	500 mg 21.— 1 g 40.—
	Bathophenanthrolinedisulfonic acid Disodium salt C ₁₂ H ₆ N ₂ (C ₆ H ₄ SO ₃ Na) ₂ ·3H ₂ O C ₂₄ H ₁₄ N ₂ Na ₂ O ₆ S ₂ ·3H ₂ O M _r 590.55 [53744-42-6] p.a. >97%(NT); for colorimetric Fe-determination; Trinder, J. Clin. Path. 9, 170 (1956); Zak, Am. J. Clin. Path. 29, 590 (1958)		250 mg 18.—	500 mg 29.— 1 g 55.—
11900	Batyl alcohol (rac-Glycerol 1-octadecyl ether; DL-3-Octadecyloxy-1,2-propanediol) CH ₃ (CH ₂) ₁₇ OCH ₂ CH(OH)CH ₂ OH C ₂₁ H ₄₄ O ₃ M _r 344.58 [544-62-7] pract. M.P. 68-71°		5 g 29.—	
9-BBN see 15585 Borabicyclo[3.3.1]nonane				
BBO see 14550 2,5-Bis(4-biphenyl)oxazole				
BBOD see 14540 2,5-Bis(4-biphenyl)-1,3,4-oxadiazole				
BBOT see 14555 2,5-Bis(5-tert-butylbenzoxazol-2-yl)thiophene				
11909	Behenic acid (Carboxylic acid C ₂₂ ; Docosanoic acid) CH ₃ (CH ₂) ₂₀ COOH C ₂₂ H ₄₄ O ₂ M _r 340.60 [112-85-6] puriss. >99%(GC); M.P. 80-81°; Standard for Gas Chromatography		5 g 34.—	
	puriss. ~99%(GC); M.P. 80-81°		10 g 50.— 50 g 210.—	
	purum ~97%(GC); M.P. 77-80°		10 g 12.— 50 g 50.—	
	techn. ~80%(GC); M.P. 72-77°		250 g 13.— 1 kg 45.—	
Behenyl alcohol see 43960 1-Docosanol				
11950	Bengal Rose B [C.I. Nr. 45440; Sch. Nr. 891] (Rose Bengal; 3,4,5,6-Tetrachloro- 2',4',5',7'-tetraiodofluorescein Disodium salt) 2-NaOOC-C ₆ -3,4,5,6-Cl ₄ -C ₆ H-2,4-I ₂ -3-(O)OC-C ₆ H-5,7-I ₂ -6-ONa C ₂₀ H ₂ Cl ₄ I ₄ Na ₂ O ₅ M _r 1017.65 [632-68-8] Standard Fluka for Microscopy (Bact., Fl., Hist.); Ads.-Indicator		10 g 7.— 50 g 18.—	
	Benzalacetone (Benzylideneacetone; Methyl styryl ketone; trans-4-Phenyl-3-buten-2-one) C ₆ H ₅ CH:CHCOCH ₃ C ₁₀ H ₁₀ O M _r 146.19 [122-57-6] purum >98%(C,H-Analysis); M.P. 39-40°; Reagent for annelations. Review: R.E. Gawley, Synthesis 777 (1976); M.E. Jung, Tetrahedron 32, 3 (1976)		100 g 7.— 500 g 17.—	
11970	Benzalacetophenone (Chalcone; 1,3-Diphenyl-2-propen-1-one) C ₆ H ₅ CH:CHCOC ₆ H ₅ C ₁₅ H ₁₂ O M _r 208.26 [94-41-7] purum >98%(C,H-Analysis); M.P. 56-57°		100 g 16.— 500 g 55.—	
Benzal chloride see 11990 α,α-Dichlorotoluene				
12010	Benzaldehyde 3/4; 64° C ₆ H ₅ CHO C ₇ H ₆ O M _r 106.12 [100-52-7] chlorine free; puriss. p.a. B.P. 177-179°; d ₄ ²⁰ 1.05; n _D ²⁰ 1.545 Fluka-Guarantee:		1 lt ≈ 1.05 kg	250 ml 7.— 1 lt 16.— 2.5 lt 35.—
	Assay (GC) >99.0 % Nitrobenzene passes test Acid (as Benzoic acid) <1.0 % Chlorine (Cl) <0.005 % Cobalt (Co) <0.00001 % Nickel (Ni) <0.00001 % Iron (Fe) <0.00005 % Copper (Cu) <0.00001 % Lead (Pb) <0.00001 % Cadmium (Cd) <0.00001 % Zinc (Zn) <0.00005 %			
Benzaldehyde-4-carboxylic acid see 21870 4-Carboxybenzaldehyde				
Benzaldehyde cyanohydrin see 12021 Mandelonitrile				





			sFr.	sFr.
	Benzaldehyde dimethylacetal (α,α -Dimethoxy-toluene) C ₉ H ₈ CH(OCH ₃) ₂ C ₉ H ₁₂ O ₂ M _r 152.19 [1125-88-8]			
12025	purum >99%(GC); B.P. 87-89°; d ₄ ²⁰ 1.014; n _D ²⁰ 1.492; Reagent for a convenient introduction of the O-benzylidene group into carbohydrates: M. E. Evans, Carbohydr. Res. 21, 473 (1972); D. Horton, W. Weckerle, Carbohydr. Res. 44, 227 (1975)	1 lt ≈ 1.01 kg	10 ml 14. —	50 ml 60. —
	Benzaldehyde oxime see 12040 Benzaldoxime			
	Benzaldehyde-2-sulfonic acid Sodium salt (2-Formylbenzenesulfonic acid Sodium salt; 2-Sulfobenzaldehyde Sodium salt) OHCC ₆ H ₄ SO ₃ Na C ₇ H ₅ NaO ₄ S M _r 208.17 [1008-72-6]			
12050	pract. ~95%(T)		100 g 12. —	500 g 50. —
12040	Benzaldoxime purum >98%(N); M.P. 33-35° (Benzaldehyde oxime) C ₆ H ₅ CH:NOH C ₇ H ₇ NO M _r 121.14 [932-90-1]		10 g 9. —	50 g 34. —
	Benzalkonium chloride (Alkylbenzyltrimethylammonium chloride)			
12060	6.1/81g purum ~90%; M.P. 34-37°; contains ~7% water		100 g 8. —	500 g 29. —
12061	3-Benzalphthalide purum ~99%(UV); M.P. 100-102° (3-Benzylidenephthalide) C ₆ H ₄ COO $\overline{\text{C}}$:CHC ₆ H ₅ C ₁₅ H ₁₀ O ₂ M _r 222.25 [575-61-1]		100 g 10. —	500 g 40. —
12065	Benzal semicarbazone purum >98%(N); M.P. 214-217° dec. C ₆ H ₅ CH:NNHCONH ₂ C ₈ H ₉ N ₃ O M _r 163.18 [1574-10-3]		250 g 20. —	
12070	Benzamide purum >98%(UV); M.P. 125-128° (Benzoic acid amide) C ₆ H ₅ CONH ₂ C ₇ H ₇ NO M _r 121.14 [55-21-0]		100 g 9. —	500 g 34. —
12072	Benzamidine pract. 90-95%(NT); M.P. 61-66° C ₆ H ₅ C(:NH)NH ₂ C ₇ H ₈ N ₂ M _r 120.16 [618-39-3]		10 g 38. —	50 g 160. —
12073	Benzamidine hydrochloride pract. 85-90%(Cl); M.P. 80-84°; H ₂ O 10-15% C ₆ H ₅ C(:NH)NH ₂ ·HCl.aq C ₇ H ₈ N ₂ ·HCl.aq M _r 156.62 + aq [1670-14-0]		25 g 26. —	100 g 95. —
12081	Benzanilide pract. >95%(N); M.P. 162-165° (N-Benzoylaniline) 6.1/22 C ₆ H ₅ CONHC ₆ H ₅ C ₁₃ H ₁₁ NO M _r 197.24 [93-98-1]		100 g 16. —	500 g 67. —
	Benz[a]anthracene (1,2-Benzanthracene; Tetraphene) 6.1/81g C ₁₈ H ₁₂ M _r 228.30 [56-55-3]			
12090	purum >98%(HPLC); M.P. 158-160°; for experimental carcinogenesis; store in refrigerator; Inhalation and contact with skin should be avoided		1g 75. —	
12095	Benz[b]anthracene pract. ~80%(UV); M.P. >300° (2,3-Benzanthracene; Naphthacene) C ₁₈ H ₁₂ M _r 228.30 [92-24-0]		250 mg 26. —	1 g 95. —
	Benzene 3/1a; -11° C ₆ H ₆ M _r 78.12 [71-43-2]			
12540	puriss. Standard for GLC; Human carcinogen; 99.9%(GC); B.P. 80-81°; d ₄ ²⁰ 0.879; n _D ²⁰ 1.499	1 lt ≈ 0.88 kg	10 ml 35. —	50 ml 145. —
12550	for UV-Spectroscopy; Human carcinogen	1 lt ≈ 0.88 kg	500 ml 11. —	1 lt 20. —
	Fluka-Guarantee: Layer thickness: 1 cm; Reference cell: water Wave length in nm: 285 290 300 320 340 350 Transmittance in %: 50 72 89 95 97 >99			
12545	for pesticide residue analysis; Distilled in Glass; Original package of Burdick and Jackson Laboratories Inc.; Human carcinogen	1 quart ≈ 0.95 lt	28. —	
12549	for HPLC; B.P. 80°; n _D ²⁰ 1.501; UV cut-off <280 nm; H ₂ O <0.05%; ε 0.32; Human carcinogen	1 lt ≈ 0.88 kg	1 lt 15. —	2.5 lt 33. —
12551	for sequential analysis; Human carcinogen	1 lt ≈ 0.88 kg	500 ml 15. —	
12552	puriss. p.a.; Human carcinogen	1 lt ≈ 0.88 kg	1 lt 13. —	2.5 lt 29. —
	Fluka-Guarantee: Assay (GC) >99.5 % Manganese (Mn) <0.000005% Point of Crystallisation >5.2°C Potassium (K) <0.000005% H ₂ SO ₄ -Probe passes test Sodium (Na) <0.000005% Water (H ₂ O) <0.03 % Iron (Fe) <0.00001 % Residue on evaporation <0.02 % Copper (Cu) <0.000005% Free Acid (as HCl) <0.001 % Lead (Pb) <0.000005% Free Alkali (as NaOH) <0.001 % Cadmium (Cd) <0.000005% Calcium (Ca) <0.000005% Zinc (Zn) <0.000005% Chromium (Cr) <0.000005%			
12560	purum thiophene free >99%(GC); B.P. 79-80.5°; d ₄ ²⁰ 0.878; n _D ²⁰ 1.500; Human carcinogen	1 lt ≈ 0.88 kg	1 lt 11. —	2.5 lt 24. —



			sFr.	sFr.
	Benzene-d₆ (Hexadeuterobenzene)			
	3/1a; -11° C ₆ D ₆ M _r 84.15 [1076-43-3]			
52396	puriss. >99.95 Atom% D	1 lt ≈ 0.88 kg	1 ml 20. —	10 ml 130. —
52397	puriss. >99.95 Atom% D	1 lt ≈ 0.88 kg	Package of 10 × 0.5 ml 75. —	
52400	puriss. >99.5 Atom% D; <0.02% H ₂ O + D ₂ O (with Fluka-Guarantee)	1 lt ≈ 0.88 kg	25 ml 85. —	100 ml 300. —
	Benzenearsonic acid see 78160 Phenylarsonic acid			
	Benzeneboronic acid see 78181 Phenylboric acid			
	Benzene-1,2-dicarboxaldehyde see 79760 Phthaldialdehyde			
	Benzene-1,3-dicarboxaldehyde see 59195 Isophthalaldehyde			
	Benzene-1,4-dicarboxaldehyde see 86410 Terephthalaldehyde			
	Benzenediazodimethylamide see 41421 3,3-Dimethyl-1-phenyltriazene			
	Benzenediazonium hexafluorophosphate			
	6.1/81a C ₆ H ₅ N:NPF ₆ C ₆ H ₅ F ₆ N ₂ P M _r 250.08 [369-58-4]			
12572	purum M.P. ~110° dec.; store in refrigerator		10 g 18. —	50 g 75. —
	Benzene-1,2-dicarboxylic acid see 80010 Phthalic acid			
	Benzene-1,3-dicarboxylic acid see 59200 Isophthalic acid			
	Benzene-1,4-dicarboxylic acid see 86420 Terephthalic acid			
12580	Benzene-1,3-disulfonic acid Disodium salt techn. C ₆ H ₄ (SO ₃ Na) ₂ C ₆ H ₄ Na ₂ O ₆ S ₂ M _r 282.20 [831-59-4]		500 g 15. —	2.5 kg 63. —
12575	Benzene-1,3-disulfonyl chloride purum >97%(Cl); M.P. 58-60° 8/12 C ₆ H ₄ (SO ₂ Cl) ₂ C ₆ H ₄ Cl ₂ O ₄ S ₂ M _r 275.13 [585-47-7]		10 g 25. —	50 g 105. —
38494	Benzene-1,2-dithiol purum under Argon (1,2-Dimercaptobenzene) C ₆ H ₄ (SH) ₂ C ₆ H ₆ S ₂ M _r 142.24 [17534-15-5]		1 g 50. —	
	Benzene-1,3-dithiol (1,3-Dimercaptobenzene)			
	6.1/81 C ₆ H ₄ (SH) ₂ C ₆ H ₆ S ₂ M _r 142.24 [626-04-0]			
38491	purum >99%(GC); M.P. 24-25°; B.P. ₁₂ 120-122°; under Nitrogen; store in refrigerator		5 g 40. —	
	Benzenehexacarboxylic acid see 63650 Mellitic acid			
12585	Benzene seleninic acid purum C ₆ H ₆ O ₂ Se M _r 189.07 [6996-92-5]		5 g 26. —	
	Benzene seleninic anhydride			
	C ₆ H ₅ SeOOSeOC ₆ H ₅ C ₁₂ H ₁₀ O ₃ Se ₂ M _r 360.13 [17697-12-0]			
12590	purum; Versatile oxidising agent: D. H. R. Barton et al., J.C.S. Chem. Comm. 952 (1978); T. G. Back, ibid. 278 (1978)		5 g 37. —	
	Benzeneselenyl chloride see 79138 Phenylselenyl chloride			
	Benzenesulphydroxamic acid see 12600 N-Hydroxybenzenesulfonamide			
	Benzenesulfinic acid Sodium salt (Sodium benzenesulfinate)			
	C ₆ H ₅ SO ₂ Na C ₆ H ₅ NaO ₂ S M _r 164.16 [873-55-2]			
12610	purum >98%(NT); H ₂ O <2%	25 g 8. —	100 g 22. —	500 g 90. —
12589	Benzenesulfonamide pract. >97%(S); M.P. 149-152° C ₆ H ₅ SO ₂ NH ₂ C ₆ H ₇ NO ₂ S M _r 157.19 [98-10-2]		250 g 10. —	1 kg 32. —
12640	Benzenesulfonic acid pract. cryst. >97%(T); M.P. 56-59°; Ash <0.5% 8/21 C ₆ H ₅ SO ₃ H C ₆ H ₆ O ₃ S M _r 158.18 [98-11-3]		100 g 8. —	500 g 26. —
	Benzenesulfonic acid Sodium salt (Sodium benzenesulfonate)			
	C ₆ H ₅ SO ₃ Na C ₆ H ₅ NaO ₃ S M _r 180.16 [515-42-4]			
12680	puriss. recryst. >99%(T); H ₂ O <1%		100 g 20. —	500 g 85. —
12690	purum >98%(T)		500 g 24. —	

						sFr.	sFr.
Benzenesulfonyl chloride							
12620	8/22	C ₆ H ₅ SO ₂ Cl C ₆ H ₅ ClO ₂ S M _r 176.62 [98-09-9]					
		puriss. p.a. M.P. 16-17°; B.P. ₁₀ 116-117°; d ₄ ²⁰ 1.377; n _D ²⁰ 1.551		1 lt ≈ 1.38 kg	100 ml 9. —	500 ml 34. —	
		Fluka-Guarantee:					
		Assay (Cl) >99.0 %	Lead (Pb) <0.00001%				
		Iron (Fe) <0.00005%	Cadmium (Cd) <0.00001%				
		Copper (Cu) <0.00001%	Zinc (Zn) <0.00001%				
12630		pract. >97%(Cl); M.P. 13-15°; B.P. ₁₀ 115-118°; d ₄ ²⁰ 1.377; n _D ²⁰ 1.552		1 lt ≈ 1.38 kg	500 ml 15. —	2.5 lt 63. —	
Benzenesulfonyl isocyanate							
12701	6.1/21	C ₆ H ₅ SO ₂ NCO C ₇ H ₅ NO ₃ S M _r 183.19 [2845-62-7]					
		purum ~97(S); B.P. ₁₁ 132°; d ₄ ²⁰ 1.354; n _D ²⁰ 1.540		1 lt ≈ 1.35 kg	5 ml 34. —	25 ml 145. —	
Benzene-1,2,4,5-tetraamine tetrahydrochloride see 86723 1,2,4,5-Tetraaminobenzene tetrahydrochloride							
Benzene-1,2,4,5-tetracarboxylic acid see 83180 Pyromellitic acid							
Benzenethiosulfonic acid S-phenylester see 12801 S-Phenyl-benzolthiosulfonate							
Benzene-1,2,3-tricarboxylic acid (Hemimellitic acid)							
51520		C ₆ H ₃ (COOH) ₃ C ₉ H ₆ O ₆ M _r 210.14 [569-51-7]			25 g 18. —	100 g 65. —	
		pract. ~98%(T); M.P. ~190-195° dec.					
Benzene-1,2,4-tricarboxylic acid anhydride see 92120 Trimellitic anhydride							
Benzene-1,3,5-tricarboxylic acid see 92130 Trimesic acid							
12100		Benzhydrazide purum ~98%(NT); M.P. 112-114° (Benzoic acid hydrazide)			25 g 7. —	100 g 18. —	
	6.1/81g	C ₆ H ₅ CONHNH ₂ C ₇ H ₈ N ₂ O M _r 136.15 [613-94-5]					
Benzhydrol see 42880 Diphenylcarbinol							
Benzhydramine see 07940 Aminodiphenylmethane							
Benzhydryl chloride see 24482 Chlorodiphenylmethane							
12115		Benzidine p.a. ~98%(NT); Human carcinogen (4,4'-Diaminobiphenyl)		10 g 18. —	50 g 75. —	250 g 320. —	
	6.1/81g	NH ₂ C ₆ H ₄ C ₆ H ₄ NH ₂ C ₁₂ H ₁₂ N ₂ M _r 184.24 [92-87-5]					
Benzidine dihydrochloride (4,4'-Diaminobiphenyl dihydrochloride)							
12125	6.1/81g	NH ₂ C ₆ H ₄ C ₆ H ₄ NH ₂ ·2HCl C ₁₂ H ₁₂ N ₂ ·2HCl M _r 257.16 [531-85-1]		5 g 10. —	25 g 40. —	100 g 125. —	
		p.a. >99%(Cl); Human carcinogen; M.P. >300°; Ash <0.05%					
12130		Benzidine sulfate p.a. >99%(T)		5 g 10. —	25 g 40. —	100 g 145. —	
	6.1/81g	NH ₂ C ₆ H ₄ C ₆ H ₄ NH ₂ ·H ₂ SO ₄ C ₁₂ H ₁₂ N ₂ ·H ₂ SO ₄ M _r 282.32 [531-86-2]					
12150		Benzil purum >98%(UV); M.P. 94-96° (Dibenzoyl)			100 g 9. —	500 g 34. —	
		C ₆ H ₅ COCOC ₆ H ₅ C ₁₄ H ₁₀ O ₂ M _r 210.24 [134-81-6]					
12160		Benzil dihydrazone purum M.P. 148-150°			25 g 14. —	100 g 50. —	
		C ₆ H ₅ C(:NNH ₂)C(:NNH ₂)C ₆ H ₅ C ₁₄ H ₁₄ N ₄ M _r 238.30 [4702-78-7]					
Benzil dioxime see 12170 Diphenylglyoxime							
12200		Benzilamide pract. M.P. 154-156°			250 g 12. —	1 kg 40. —	
		(C ₆ H ₅) ₂ C(OH)CONH ₂ C ₁₄ H ₁₃ NO ₂ M _r 227.27 [4746-87-6]					
12190		Benzilic acid purum >99%(T); M.P. 149-151° (Diphenylglycolic acid)			100 g 10. —	500 g 37. —	
		(C ₆ H ₅) ₂ C(OH)COOH C ₁₄ H ₁₂ O ₃ M _r 228.25 [76-93-7]					
12250		Benzimidazol puriss. >99%(N); M.P. 171-173°; Ash <0.05% (1,3-Benzodiazole)			100 g 22. —	500 g 90. —	
		C ₆ H ₄ NHCH:N C ₇ H ₆ N ₂ M _r 118.14 [51-12-2]					
2-Benzimidazolamine see 06900 2-Aminobenzimidazole							
2-Benzimidazolethiol see 63710 2-Mercaptobenzimidazole							
(2-Benzimidazolyl)acetonitrile (2-Cyanomethylbenzimidazole)							
12263	6.1/21	C ₆ H ₄ NHC(CH ₂ CN):N C ₈ H ₇ N ₃ M _r 157.18 [4414-88-4]			100 g 20. —	500 g 85. —	
		pract. >97%(NT); M.P. 202-205° dec.					
N-[4-(2-Benzimidazolyl)phenyl]maleimide							
12266		C ₁₇ H ₁₁ N ₃ O ₂ M _r 289.30 [27030-97-3]					
		puriss. p.a.; Fluorescent probe in proteins, used for microfluorometry of thiol compounds (detection limit: 10 ⁻⁶ M thiol conc.): Tisekine, K. Ando, Anal. Biochem. 48, 557 (1972). Review: Y. Kanaoka, Angew. Chem. 89, 142 (1977); Int. Ed. Engl. 16, 137 (1977)			10 mg 200. —		



			sFr.	sFr.
Benzin				
85099	3/1a; -20°	puriss. p.a.; B.P. 80-100°; d_4^{20} 0.69-0.71	1 lt ≈ 0.70 kg	1 lt 14. — 2.5 lt 31. —
85101		puriss. p.a.; B.P. 110-140°; d_4^{20} 0.74-0.75	1 lt ≈ 0.75 kg	1 lt 14. — 2.5 lt 31. —
85100		purum 1; B.P. 80-100°; d_4^{20} 0.69-0.71	1 lt ≈ 0.70 kg	1 lt 10. — 10 lt 50. —
85102	3/1a; 8°	purum 2; B.P. 100-130°; d_4^{20} 0.72-0.73	1 lt ≈ 0.73 kg	1 lt 10. — 10 lt 50. —
85103	3/1a; 4°	purum 3; B.P. 110-140°; d_4^{20} 0.72-0.75	1 lt ≈ 0.75 kg	1 lt 10. — 10 lt 50. —
85104	3/3; 30°	purum 4; B.P. 140-160°; d_4^{20} 0.75-0.77	1 lt ≈ 0.76 kg	1 lt 10. — 10 lt 50. —
12255	1,2-Benzisoxazole	pract. ~95%(GC); B.P. 205-208°; d_4^{20} 1.172; n_D^{20} 1.562 $C_8H_4ON:CH$ C_7H_5NO M_r 119.12 [271-95-4]	1 lt ≈ 1.17 kg	5 ml 26. — 25 ml 110. —
2,1-Benzisoxazole (Anthranil)				
	3/4	$CH:C_6H_3:NO$ C_7H_5NO M_r 119.12 [271-58-9]		
12273		purum >98%(GC); B.P. 220-224°; d_4^{20} 1.182; n_D^{20} 1.584	1 lt ≈ 1.18 kg	5 ml 46. —
Benzo[def]chrysene see 12780 Benzo[a]pyrene				
Benzo[c]cinnoline (2,2'-Azobiphenyl; Dibenzo[c,e]pyridazine)				
		$C_9H_4C_6H_4N:N$ $C_{12}H_8N_2$ M_r 180.21 [230-17-1]		
12330		purum ~97%(UV); M.P. 155-157°; λ_{max} 253 nm; log ϵ 4.66 in Chloroform	1 g 30. —	5 g 125. —
1,3-Benzodiazine see 22581 Quinazoline				
1,4-Benzodiazine see 22710 Quinoxaline				
2,3-Benzodiazine see 12795 Benzo[d]pyrazine				
1,2-Benzodiazole see 56910 Indazole				
1,3-Benzodiazole see 12250 Benzimidazole				
1,3,2-Benzodioxaborole (Catecholborane)				
		C_6H_4OBHO $C_6H_5BO_2$ M_r 119.92 [274-07-7]		
12345		purum; A versatile hydroboration and reducing agent. Reviews: C. F. Lande, G.W. Kabalka, Tetrahedron 32, 981 (1976); G.W. Kabalka, J.D. Baker, G.W. Neal, J. Org. Chem. 42, 512 (1977); G.W. Kabalka, Org. Prep. Proc. Int. 9, 131 (1977)	5 g 26. —	
1,4-Benzodioxane see 03735 1,2-Ethylenedioxybenzene				
1,4-Benzodioxan-6-yl methyl ketone see 03730 3,4-Ethylenedioxyacetophenone				
1,3-Benzodioxole see 66780 1,2-Methylenedioxybenzene				
7,8-Benzoflavone see 70410 α -Naphthoflavone				
11H-Benzo[a]fluorene (1,2-Benzofluorene; Chrysofluorene)				
		$C_{17}H_{12}$ M_r 216.38 [238-84-6]		
12490		purum >98%(HPLC); M.P. 188-190°	100 mg 45. —	500 mg 190. —
11H-Benzo[b]fluorene (2,3-Benzofluorene; Isonaphthofluorene)				
		$C_{17}H_{12}$ M_r 216.28 [243-14-4]		
12495		purum >98%(HPLC); M.P. 212-214°	100 mg 20. —	500 mg 70. —
Benzo[j,k]fluorene see 46530 Fluoranthene				
1-Benzofuran see 28165 Coumarone				
Benzofurazan-N-oxide see 12505 Benzofuroxan				
Benzofuroxan (Benzofurazan-N-oxide)				
		$ON:C_6H_4:NO$ $C_6H_4N_2O_2$ M_r 136.11 [480-96-6]		
12505		pract. >97%(N); M.P. 67-70°; Reactivity probe for the study of environments of thiol groups in proteins: M. Shipton, K. Brocklehurst, Biochem. J. 167, 799 (1977)	25 g 20. —	100 g 70. —
Benzoic acid				
		C_6H_5COOH $C_7H_6O_2$ M_r 122.12 [65-85-0]		
12349		puriss. p.a. M.P. 122-123°	250 g 10. —	1 kg 35. —
Fluka-Guarantee:				
Assay (acidimetric)		>99.5 %	Iron (Fe)	<0.00025 %
Residue on ignition (as Sulfate)		<0.01 %	Sulfate (SO_4)	<0.0025 %
Insolubles in Chloroform		<0.005 %	Heavy metals (as Pb)	<0.0005 %
12350		purum Ph. Helv.; >98%(T); M.P. 121-122°; Ash <0.05%	1 kg 11. —	5 kg 46. —
Benzoic acid amide see 12070 Benzamide				
09696	Benzoic acid Ammonium salt	puriss. >99%(NT) (Ammonium benzoate) $C_6H_5COONH_4$ $C_7H_9NO_2$ M_r 139.16 [1863-63-4]	250 g 8. —	1 kg 22. —

sFr.

sFr.

Benzoic acid hydrazide see 12100 Benzhydrazide**Benzoic acid Potassium and Sodium salt** see 60065 and 71300 Potassium and Sodium benzoate**Benzoic acid-4-sulfamide** see 86050 4-Sulfamoylbenzoic acid**o-Benzoic acid sulfimide** (2,3-Dihydroxy-1,2-benzisothiazol-3-one-1,1-dioxide; Saccharine;
2-Sulfobenzoic acid imide) $\text{C}_6\text{H}_4\text{SO}_2\text{NHCO}$ $\text{C}_7\text{H}_5\text{NO}_3\text{S}$ M_r 183.19 [81-07-2]

12475 purum >99%(T); M.P. 227-229° 250 g 18.— 1 kg 65.—

o-Benzoic acid sulfimide Sodium salt (2,3-Dihydro-1,2-benzisothiazol-3-one-1,1-dioxide
Sodium salt; Saccharine Sodium; 2-Sulfobenzoic acid imide Sodium salt) $\text{C}_6\text{H}_4\text{SO}_2\text{NNaCO}$ $\text{C}_7\text{H}_4\text{NNaO}_3\text{S}$ M_r 205.19 [128-44-9]12476 purum ~90%(NT); H_2O ~10% 250 g 17.— 1 kg 60.—**Benzoic acid α -thenyl ester** see 12480 α -Thenyl benzoate12370 **Benzoic anhydride** purum >98%(NT); M.P. 41-43° 100 g 8.— 500 g 26.—
($\text{C}_6\text{H}_5\text{CO}$) $_2\text{O}$ $\text{C}_{14}\text{H}_{10}\text{O}_3$ M_r 226.23 [93-97-0]**Benzoin** (α -Hydroxybenzyl phenyl ketone; α -Hydroxy- α -phenylacetophenone) $\text{C}_6\text{H}_5\text{CH}(\text{OH})\text{COC}_6\text{H}_5$ $\text{C}_{14}\text{H}_{12}\text{O}_2$ M_r 212.25 [119-53-9]

12510 puriss. p.a. >99%(GC); M.P. 133-135°; Ash <0.05%; Loss on drying <0.1% 250 g 12.— 1 kg 40.—

Benzoin ethyl ether (α -Ethoxy- α -phenylacetophenone) $\text{C}_6\text{H}_5\text{COCH}(\text{OC}_2\text{H}_5)\text{C}_6\text{H}_5$ $\text{C}_{16}\text{H}_{16}\text{O}_2$ M_r 240.31 [574-09-4]

12512 purum >98%(GC); M.P. 57-60°; 1 g clearly soluble in 10 ml Methanol 100 g 28.— 500 g 120.—

 α -Benzoin oxime (Cuprone) $\text{C}_6\text{H}_5\text{CH}(\text{OH})\text{C}(\text{NOH})\text{C}_6\text{H}_5$ $\text{C}_{14}\text{H}_{13}\text{NO}_2$ M_r 227.27 [441-38-3]12530 puriss. p.a. ~99%(N); M.P. 153-155°; Determination and
Detection: Cu, Mo, W; 1 g clearly soluble in Ethanol 10 g 7.— 50 g 21.— 250 g 90.—**Benzonitrile** (Phenylcyanide)6.1/21; 70° $\text{C}_6\text{H}_5\text{CN}$ $\text{C}_7\text{H}_5\text{N}$ M_r 103.12 [100-47-0]12720 puriss. >99%(GC); <0.1% Aniline; M.P. -11--9°;
B.P. $_{11}$ 70-71°; d_4^{20} 1.004; n_D^{20} 1.528 1 lt $\approx$ 1.00 kg 100 ml 7.— 500 ml 13.— 2.5 lt 55.—**Benzo[ghi]perylene** (1,12-Benzoperylene)6.1/81g $\text{C}_{22}\text{H}_{12}$ M_r 276.34 [191-24-2]12740 purum >98%(UV); M.P. 278-280°; Inhalation and contact with skin should be
avoided 100 mg 80.—**9,10-Benzophenanthrene** see 93020 Triphenylene**Benzophenone** (Diphenyl ketone) $\text{C}_6\text{H}_5\text{COC}_6\text{H}_5$ $\text{C}_{13}\text{H}_{10}\text{O}$ M_r 182.22 [119-61-9]

12750 purum >99%(GC); M.P. 48-50°; B.P. 305° (Lit.) 100 g 8.— 500 g 26.— 2.5 kg 110.—

Benzophenone-2-carboxylic acid see 12928 2-Benzoylbenzoic acid**Benzophenone hydrazone** (Diphenyldiazomethane precursor) $(\text{C}_6\text{H}_5)_2\text{C}:\text{NNH}_2$ $\text{C}_{13}\text{H}_{12}\text{N}_2$ M_r 196.25 [5350-57-2]12755 purum >98%(UV); M.P. 98-99°; For preparation of Diphenyldiazomethane;
J.R. Adamson, R. Bywood, D.T. Eastlick, G. Gallagher, D. Walter, E.M. Wilson,
J. Chem. Soc. Perkin I, 2030 (1975); L.I. Smith, K.L. Howard, Org. Synth. Coll.
Vol. 3, 351 (1955) 100 g 28.— 500 g 120.—12778 **Benzophenonoxime** purum >98%(N); M.P. 141-143°; store in refrigerator
($\text{C}_6\text{H}_5)_2\text{C}:\text{NOH}$ $\text{C}_{13}\text{H}_{11}\text{NO}$ M_r 197.24 [574-66-3] 10 g 18.— 50 g 75.—**Benzopurpurin B** [C.I. Nr 23560; Sch. Nr. 451](2-NH $_2$ -6-NaO $_3$ SC $_{10}$ H $_6$ -1-N:NC $_6$ H $_3$ -2-CH $_3$ -4-) $_2$ $\text{C}_{34}\text{H}_{26}\text{N}_6\text{Na}_2\text{O}_6\text{S}_2$ M_r 724.73

[992-59-6]

12760 Standard Fluka for Microscopy (Hist.) 25 g 10.— 100 g 35.—

1-Benzopyran-2-one see 28150 Coumarin**1-Benzopyran-4-one** see 27125 Chromone**Benzopyrazine** see 22710 Quinoxaline**1,2-Benzopyrazole** see 56910 Indazole

sFr.

sFr.

Benzo[a]pyrene (Benzo[def]chrysene; 3,4-Benzopyrene)6.1/81g $C_{20}H_{12}$ M_r 252.32 [50-32-8]

12780

pract. for experimental carcinogenesis; ~97%(HPLC); M.P. 174-177°;
 λ_{max} 296 nm; $\epsilon > 58000$; Inhalation and contact with skin should be avoided

250 mg 20. —

1 g 70. —

3,4-Benzopyrene see 12780 Benzo[a]pyrene**Benzo[d]pyridazine** (2,3-Benzodiazine; 4,5-Benzopyridazine; Phthalazine) $C_8H_4CH:NN:CH$ $C_8H_6N_2$ M_r 130.15 [253-52-1]

12795

pract. ~90%(UV); M.P. 88-90°; λ_{max} 259 nm; log ϵ 3.62

5 g 26. —

Benzo[d]pyridazin-1(2H)-one see 79749 Phthalazone**1H-Benzo[b]pyrrole** see 57190 Indole**Benzo[c]quinoline** see 77490 Phenanthridine**Benzo[f]quinoline** (5,6-Benzoquinoline; 2-Naphthoquinoline) $C_{13}H_9N$ M_r 179.22 [85-02-9]

12290

puriss. p.a. ~99%(NT); M.P. 90-92°; λ_{max} 345 nm; log ϵ 3.61;
Determination: Bi, Cd, W; Detection: Zr

10 g 16. —

50 g 67. —

250 g 285. —

Benzo[h]quinoline (7,8-Benzoquinoline; 1-Naphthoquinoline) $C_{13}H_9N$ M_r 179.22 [230-27-3]

12300

purum >99%(NT); M.P. 48-50°

10 g 15. —

50 g 63. —

1,4-Benzoquinone (Quinone)6.1/22 $COCH:CHCOCH:CH$ $C_6H_4O_2$ M_r 108.10 [106-51-4]

12309

puriss. M.P. 112.5-113.5°; for spectrophotometric determination of Amines;
Anal. Chem. 48, 2149 (1976)

25 g 16. —

100 g 55. —

12310

purum M.P. 111-113°; Loss on sublimation <1%

100 g 9. —

500 g 24. —

1 kg 45. —

1-Benzosuberone (6,7,8,9-Tetrahydro-5-benzocycloheptanone) $C_9H_4(CH_2)_4CO$ $C_{11}H_{12}O$ M_r 160.22 [51007-52-4]

12796

purum >98%(GC); B.P. 141-143° (Lit.); d_4^{20} 1.084; n_D^{20} 1.5631 lt $\approx$ 1.08 kg

25 ml 35. —

100 ml 130. —

12793

1,2,3-Benzothiadiazole purum >99%(GC); M.P. 39-41°; B.P. 62-64° $C_6H_4N:NS$ $C_6H_4N_2S$ M_r 136.18 [273-77-8]

5 g 34. —

25 g 145. —

12794

2,1,3-Benzothiadiazole purum >97%(S); M.P. 42-44°6.1/81a $N:C_6H_4:NS$ $C_6H_4N_2S$ M_r 136.18 [273-13-2]

5 g 10. —

25 g 40. —

2-Benzothiazolamine see 07090 2-Aminobenzothiazole

12797

Benzothiazole purum >98%(GC); B.P. 233-235°; d_4^{20} 1.246; n_D^{20} 1.643 $C_6H_4SCH:N$ C_7H_5NS M_r 135.19 [95-16-9]1 lt $\approx$ 1.25 kg

250 ml 17. —

1 lt 60. —

2-Benzothiazolethanol see 63720 2-Mercaptobenzothiazole**1-Benzothiophene** see 88900 Thionaphthene**1-Benzothiophen-3-yl acetate** see 00882 3-Acetoxythionaphthene**1H-Benzotriazole** $C_6H_4NHN:N$ $C_6H_5N_3$ M_r 119.13 [95-14-7]

12798

puriss. p.a. >99%(N); M.P. 96-98°; Ash <0.1%; Z. anal. Chem. 261, 141
(1972); for amperometric determination of Cu

100 g 18. —

500 g 75. —

12799

pract. >97%(UV); M.P. 95-98°

100 g 12. —

500 g 50. —

Benzotriazol-1-yl-oxy-tris(dimethylamino)phosphonium hexafluorophosphate (BOP) $C_6H_4N:NNOP^+[N(CH_3)_2]_3 \cdot PF_6$ $C_{12}H_{22}F_6N_6OP_2$ M_r 442.50 [56602-33-6]

12802

purum >98%(N); M.P. 131-133° dec.; store in refrigerator;
New reagent for coupling peptides; stable and not hygroscopic;
B. Castro et al., THL 1219 (1975); ibid. Synthesis 413 (1977)

1 g 20. —

5 g 85. —

Benzotrichloride see 12800 α,α,α -Trichlorotoluene**Benzotrifluoride** see 12810 α,α,α -Trifluorotoluene**3,1-Benzoxazine-2,4(1H)-dione** see 58279 Isatoic anhydride**2-Benzoxazolethiol** see 63750 2-Mercaptobenzoxazole

12830

Benzoylacetone purum >98%(HPLC); M.P. 54-56° (1-Phenyl-1,3-butanedione) $C_6H_5COCH_2COCH_3$ $C_{10}H_{10}O_2$ M_r 162.19 [93-91-4]

10 g 8. —

50 g 26. —

250 g 110. —

sFr.

sFr.

Benzoylaminoacetic acid see 53280 Hippuric acid**N-Benzoylaniline** see 12081 Benzanilide**2-Benzoylaniline** see 07020 2-Aminobenzophenone**4-Benzoylaniline** see 07030 4-Aminobenzophenone**N_α-Benzoyl-L-arginine**

12870	$\text{NH}_2\text{C}(:\text{NH})\text{NH}(\text{CH}_2)_3\text{CH}(\text{NHCOC}_6\text{H}_5)\text{COOH}$ $\text{C}_{13}\text{H}_{18}\text{N}_4\text{O}_3$ M_r 278.31 [154-92-7] puriss. >99% (N); M.P. $\sim 290^\circ$ dec.; $[\alpha]_{540}^{20} - 10.5 \pm 1^\circ$; $[\alpha]_{540}^{20} - 8.5 \pm 1^\circ$ (c = 1 in HCl)	5 g 13. —	25 g 55. —
-------	--	-----------	------------

N_α-Benzoyl-L-arginine ethyl ester hydrochloride (BAEE)

12880	$\text{NH}_2\text{C}(:\text{NH})\text{NH}(\text{CH}_2)_3\text{CH}(\text{NHCOC}_6\text{H}_5)\text{COOC}_2\text{H}_5 \cdot \text{HCl}$ $\text{C}_{15}\text{H}_{22}\text{N}_4\text{O}_3 \cdot \text{HCl}$ M_r 342.83 [2645-08-1] puriss. >99% (Cl); Substrate for determination of Trypsin; M.P. 128-130°; $[\alpha]_{540}^{20} - 18.5 \pm 1.5^\circ$ (c = 2 in water); Ash <0.05%; synthetic substrate for the determination of origine esterase activity in human plasma: H. D. Gullick, Clin. Chem. 18, 1385 (1972)	1 g 9. —	5 g 32. —
-------	--	----------	-----------

N_α-Benzoyl-L-argininamide hydrochloride Monohydrate (BAA)

12890	$\text{NH}_2\text{C}(:\text{NH})\text{NH}(\text{CH}_2)_3\text{CH}(\text{NHCOC}_6\text{H}_5)\text{CONH}_2 \cdot \text{HCl} \cdot \text{H}_2\text{O}$ $\text{C}_{13}\text{H}_{19}\text{N}_5\text{O}_2 \cdot \text{HCl} \cdot \text{H}_2\text{O}$ M_r 331.80 [965-03-7] puriss. >99% (Cl); $[\alpha]_{540}^{20} + 10.5 \pm 1^\circ$; $[\alpha]_{540}^{20} + 9.6 \pm 1^\circ$ (c = 1 in nHCl); Substrate for Determination of Ficin, Trypsin and Papain; synthetic substrate for the determination of arginine amidase activity in human plasma: H. D. Gullick, Clin. Chem. 18, 1385 (1972)	1 g 8. —	5 g 26. —
-------	---	----------	-----------

N_α-Benzoyl-L-arginine methyl ester hydrochloride puriss. (BAME)

12900	$\text{NH}_2\text{C}(:\text{NH})\text{NH}(\text{CH}_2)_3\text{CH}(\text{NHCOC}_6\text{H}_5)\text{COOCH}_3 \cdot \text{HCl}$ $\text{C}_{14}\text{H}_{20}\text{N}_4\text{O}_3 \cdot \text{HCl}$ M_r 328.80 [1784-04-9]	1 g 9. —	5 g 34. —
-------	---	----------	-----------

N_α-Benzoyl-DL-arginine-2-naphthylamide hydrochloride (BANA)

12910	$\text{NH}_2\text{C}(:\text{NH})\text{NH}(\text{CH}_2)_3\text{CH}(\text{NHCOC}_6\text{H}_5)\text{CONHC}_{10}\text{H}_7 \cdot \text{HCl}$ $\text{C}_{23}\text{H}_{25}\text{N}_5\text{O}_2 \cdot \text{HCl}$ M_r 439.95 [305-09-9] puriss. CHR; M.P. 197-199°; Substrate for determination of Trypsin and Papain, Lit.: Riedel, Wünsch and Hartl, Z. physiol. Chem. 316, 61 (1959)	1 g 18. —	5 g 75. —
-------	---	-----------	-----------

N_α-Benzoyl-DL-arginine-4-nitroanilide hydrochloride (BANI, BAPNA)

12920	$\text{NH}_2\text{C}(\text{NH}_2)\text{NH}(\text{CH}_2)_3\text{CH}(\text{NHCOC}_6\text{H}_5)\text{CONHC}_6\text{H}_4\text{NO}_2 \cdot \text{HCl}$ $\text{C}_{19}\text{H}_{22}\text{N}_6\text{O}_4 \cdot \text{HCl}$ M_r 434.89 [911-76-2] puriss. p.a. $\sim 99\%$ (Cl); M.P. $\sim 275^\circ$ dec.; Ash <0.05%	1 g 12. —	5 g 50. —
-------	---	-----------	-----------

2-Benzoylbenzoic acid (Benzophenone-2-carboxylic acid)

12928	$\text{C}_6\text{H}_5\text{COC}_6\text{H}_4\text{COOH}$ $\text{C}_{14}\text{H}_{10}\text{O}_3$ M_r 226.23 [85-52-9] purum >98% (T); M.P. 126-129°; Ash $\sim 0.5\%$	250 g 17. —	1 kg 60. —
-------	--	-------------	------------

Benzoyl chloride

12930	$8/22; 72^\circ$ $\text{C}_6\text{H}_5\text{COCl}$ $\text{C}_7\text{H}_5\text{ClO}$ M_r 140.57 [98-88-4] puriss. p.a. M.P. 0.5-2.5°; B.P. $\sim 73-74^\circ$; d_4^{20} 1.210; n_D^{20} 1.553 Fluka-Guarantee: Assay >99.5 % Heavy metals (as Pb) <0.001% Residue on evaporation <0.05 % Iron (Fe) <0.001% Phosphorus (P) <0.002%	1 lt $\approx$ 1.21 kg	100 ml 8. —	500 ml 29. —
-------	--	------------------------	-------------	--------------



12940	purum >98% (Cl); B.P. $\sim 70-74^\circ$; d_4^{20} 1.212; n_D^{20} 1.553	1 lt $\approx$ 1.21 kg	500 ml 10. —	1 lt 18. —
-------	---	------------------------	--------------	------------

Benzoylcholine chloride purum >98% (Cl); M.P. 204-208°

12950	$\text{C}_6\text{H}_5\text{COOCH}_2\text{CH}_2\text{N}(\text{Cl})(\text{CH}_3)_3$ $\text{C}_{12}\text{H}_{18}\text{ClNO}_2$ M_r 243.74 [2964-09-2]	10 g 20. —	50 g 85. —
-------	--	------------	------------

Benzoyl cyanide purum >98% (GC); M.P. 28-31° (Phenylglyoxylonitrile)

12961	$6.1/21$ $\text{C}_6\text{H}_5\text{COCN}$ $\text{C}_8\text{H}_5\text{NO}$ M_r 131.14 [613-90-1]	25 g 12. —	100 g 40. —
-------	--	------------	-------------

Benzoylcyclohexane purum >99% (GC); M.P. 55-57° (Cyclohexyl phenyl ketone)

29490	$\text{CH}_2(\text{CH}_2)_4\text{CHCOC}_6\text{H}_5$ $\text{C}_{13}\text{H}_{18}\text{O}$ M_r 188.27 [712-50-5]	25 g 35. —	100 g 130. —
-------	---	------------	--------------

Benzoylcyclopropane (Cyclopropyl phenyl ketone)

29980	$\text{CH}_2\text{CH}_2\text{CHCOC}_6\text{H}_5$ $\text{C}_{10}\text{H}_{10}\text{O}$ M_r 146.19 [3481-02-5] pract. $\sim 95\%$ (GC); B.P. 242-243°; d_4^{20} 1.05; n_D^{20} 1.553	1 lt $\approx$ 1.05 kg	10 ml 13. —	50 ml 55. —
-------	---	------------------------	-------------	-------------

Benzoylformaldoxime see 59010 ω-Isonitrosoacetophenone

				sFr.	sFr.
	Benzoylformic acid (Phenylglyoxylic acid)				
	$C_6H_5COCOOH$ $C_8H_6O_3$ M_r 150.14 [611-73-4]				
78610	purum >99%(T); M.P. 62-65°; B.P. _{0.1} 84°; 1 g clearly soluble in 10 ml Methanol				
	10 g 22. — 50 g 90. —				
	N-Benzoylglycine see 53280 Hippuric acid				
	Benzoyl isothiocyanate				
	6.1/21 C_6H_5CONCS C_8H_5NOS M_r 163.20 [532-55-8]				
13007	purum >98%(GC); B.P. ₁₈ 133-137°(Lit.); d_4^{20} 1.213; n_D^{20} 1.637				
	1 lt ≈ 1.21 kg 10 ml 25. — 50 ml 105. —				
	3-Benzoyloxy-17β-estrole see 75270 β-Estradiol 3-benzoate				
	2-Benzoyloxymethylbenzoic acid (2-Hydroxymethyl benzoic acid benzoate)				
	$C_6H_5COOCH_2C_6H_4COOH$ $C_{15}H_{12}O_4$ M_r 256.26 [58249-83-5]				
13030	purum >99%(Cl); M.P. 61-63°; Reagent for a novel amine protection which gives amides the lability of esters: B. F. Cain, J. Org. Chem. 41, 2029 (1976)				
	10 g 28. — 50 g 120. —				
	2-Benzoyloxymethylbenzoyl chloride (2-Hydroxymethyl benzoylchloride benzoate)				
	$C_6H_5COOCH_2C_6H_4COCl$ $C_{15}H_{11}ClO_3$ M_r 274.71 [58249-87-9]				
13032	purum 99%(T); M.P. 127-129°; Reagent for a novel amine protection which gives amides the lability of esters: B. F. Cain, J. Org. Chem. 41, 2029 (1976)				
	5 g 29. — 25 g 120. —				
	Benzoyl peroxide (Dibenzoyl peroxide)				
	5.2/8a $(C_6H_5CO)_2O_2$ $C_{14}H_{10}O_4$ M_r 242.23 [94-36-0]				
33581	purum moistened with 20-25% water; M.P. 103-105° (dry)				
	100 g 7. — 500 g 24. — 2.5 kg 100. —				
	N-Benzoyl-DL-phenylalanine 2-naphthyl ester				
	$C_6H_5CH_2CH(NHCOC_6H_5)COOC_{10}H_7$ $C_{26}H_{21}NO_3$ M_r 395.46				
13040	puriss. p.a. M.P. 157-158°; Substrate for determination of Chymotrypsin; Lit.: Ravin, Bernstein and Seligman, J. biol. Chem. 208, 1 (1954)				
	1 g 15. — 5 g 63. —				
	3-Benzoylpropionic acid				
	$C_6H_5COCH_2CH_2COOH$ $C_{10}H_{10}O_3$ M_r 178.19 [2051-95-8]				
13055	purum >97%(T); M.P. 116-118°; Ash <0.05%; Protecting group reagent for hydroxyl functions in nucleosides: R. L. Letsinger, P. S. Miller, J. Am. Chem. Soc. 91, 3356 (1969)				
	25 g 14. — 100 g 50. —				
13060	2-Benzoylpyridine purum >98%(GC); M.P. 41-43° (Phenyl 2-pyridyl ketone)				
	$N:CHCH:CHCH:COCOC_6H_5$ $C_{12}H_9NO$ M_r 183.21 [91-02-1]				
	25 g 12. — 100 g 40. —				
13080	4-Benzoylpyridine purum 98%(GC); M.P. 69-72° (Phenyl 4-pyridyl ketone)				
	$N:CHCH:C(COC_6H_5)CH:CH$ $C_{12}H_9NO$ M_r 183.21 [14548-46-0]				
	25 g 10. — 100 g 35. —				
	N-Benzoyl-L-tyrosine ethyl ester, BTEE				
	$HOC_6H_4CH_2CH(NHCOC_6H_5)COOC_2H_5$ $C_{18}H_{19}NO_4$ M_r 313.36 [3483-82-7]				
13110	puriss. ~99%(NT); M.P. 118-120°; $[\alpha]_{546}^{20} -32 \pm 3^\circ$; $[\alpha]_D^{20} -26 \pm 3^\circ$ (c = 1 in Ethanol); Ash <0.05%				
	5 g 16. — 25 g 67. —				
	N-Benzoyl-L-tyrosyl-p-aminobenzoic acid Sodium salt				
	$HOC_6H_4CH_2CH(NHCOC_6H_5)CONHC_6H_4COONa \cdot 2.5H_2O$ $C_{23}H_{19}N_2NaO_5 \cdot 2.5H_2O$				
	M_r 471.45 [41748-47-4]				
13135	puriss. M.P. ~210° dec.; $[\alpha]_{546}^{20} +56 \pm 2^\circ$; $[\alpha]_D^{20} +45 \pm 2^\circ$ (c = 1 in DMF/H ₂ O 1:1); lyophilised				
	500 mg 32. — 1 g 50. — 5 g 210. —				
	Benzyl acetate				
	$CH_3COOCH_2C_6H_5$ $C_9H_{10}O_2$ M_r 150.18 [140-11-4]				
45850	purum chlorine free >99%(GC); B.P. ₁₂ 94-97°; d_4^{20} 1.055; n_D^{20} 1.503				
	1 lt ≈ 1.06 kg 250 ml 8. — 1 lt 25. —				
	Benzyl acetoacetate				
	3/4; 72° $CH_3COCH_2COOCH_2C_6H_5$ $C_{11}H_{12}O_3$ M_r 192.22 [5396-89-4]				
00445	purum M.P. 275-277°; d_4^{20} 1.114; n_D^{20} 1.514				
	1 lt ≈ 1.11 kg 100 ml 22. — 500 ml 90. —				
	Benzylacetone (4-Phenyl-2-butanone)				
	$C_6H_5CH_2CH_2COCH_3$ $C_{10}H_{12}O$ M_r 148.21 [2550-26-7]				
13150	purum ~97%(GC); B.P. 236-238°; d_4^{20} 0.987; n_D^{20} 1.512				
	1 lt ≈ 0.99 kg 100 ml 10. — 500 ml 42. —				
13151	N⁶-Benzyladenine purum >99%(NT); M.P. 231-232° (6-Benzylaminopurine)				
	$C_{12}H_{11}N_5$ M_r 225.26 [1214-39-7]				
	1 g 18. — 5 g 75. —				

					sFr.	sFr.
Benzyl alcohol						
	3/4; 96°	$C_6H_5CH_2OH$	C_7H_8O	M_r 108.14 [100-51-6]		
13160	puriss. p.a. M.P. -11--9°; B.P. ₁₀ 90-92°; d_4^{20} 1.044; n_D^{20} 1.540			1 lt $\approx$ 1.04 kg	100 ml 8. —	500 ml 25. —
	Fluka-Guarantee:					
	Assay (GC)	>99.0 %	Cobalt (Co)	<0.00001%		
	Residue on evaporation	<0.05 %	Nickel (Ni)	<0.00001%		
	Benzoic acid	<0.03 %	Copper (Cu)	<0.00001%		
	Solubility	passes test	Lead (Pb)	<0.00001%		
	Chlorine (Cl)	<0.02 %	Cadmium (Cd)	<0.00001%		
	Iron (Fe)	<0.00005%	Zinc (Zn)	<0.00001%		
13170	purum >98% (GC); B.P. ₁₀ 90-93°; d_4^{20} 1.045; n_D^{20} 1.541			1 lt $\approx$ 1.04 kg	1 lt 18. —	2.5 lt 40. —
Benzylamine (α -Aminotoluene)						
	8/35; 65°	$C_6H_5CH_2NH_2$	C_7H_9N	M_r 107.16 [100-46-9]		
13180	puriss. p.a. >99% (GC); B.P. ₁₀ 70-71°; d_4^{20} 0.982; n_D^{20} 1.543			1 lt $\approx$ 0.98 kg	100 ml 8. —	500 ml 26. —
13190	purum >98% (GC); B.P. ₁₀ 69-72°; d_4^{20} 0.982; n_D^{20} 1.543			1 lt $\approx$ 0.98 kg	250 ml 10. —	1 lt 35. —
2-Benzylaminoethanol (N-Benzylethanolamine)						
		$C_6H_5CH_2NHCH_2CH_2OH$	$C_9H_{13}NO$	M_r 151.21 [104-63-2]		
13200	pract. >98% (NT); B.P. ₁₂ 153-156°; d_4^{20} 1.05; n_D^{20} 1.543			1 lt $\approx$ 1.05 kg	100 ml 12. —	500 ml 50. —
13203	2-Benzylamino-4-methylpyridine purum >99% (NT); M.P. 96-98° $N:CHCH:C(CH_3)CH:CNHCH_2C_6H_5$ $C_{13}H_{14}N_2$ M_r 198.27				50 g 20. —	
4-Benzylamino-7-nitrobenzofurazan (4-Benzylamino-7-nitro-2,1,3-benzoxadiazole)						
		$C_{13}H_{10}N_4O_3$	M_r 270.24 [18378-20-6]			
13205	purum >98% (N); M.P. 205-210°; Fluorescent probe for protein and nucleoprotein conformation studies: R. A. Kenner, A. A. Aboderin, Biochemistry 10, 4433 (1971)				1 g 60. —	
6-Benzylaminopurine see 13151 N ⁶ -Benzyladenine						
4-(4-Benzylaminophenylazo)benzenesulfonic acid Potassium salt see 13620 Benzyl orange						
Benzyl 3-aminopyrazine-2-carboxylate (3-Aminopyrazine-2-carboxylic acid benzyl ester)						
		$C_6H_5CH_2OCO\dot{C}:NCH:CHN:CNH_2$	$C_{12}H_{11}N_3O_2$	M_r 229.24 [59698-26-9]		
09333	purum $\sim$ 97% (NT); M.P. 139-140°				1 g 12. —	5 g 50. —
13220	2-Benzylaminopyridine pract. >97% (NT); M.P. 92-93° (Benzyl-2-pyridylamine) $N:CHCH:CHCH:CNHCH_2C_6H_5$ $C_{12}H_{12}N_2$ M_r 184.24 [6935-27-9]				100 g 28. —	
2-Benzylaniline see 07942 2-Aminodiphenylmethane						
Benzylbenzene see 43100 Diphenylmethane						
Benzyl benzoate						
		$C_6H_5COOCH_2C_6H_5$	$C_{14}H_{12}O_2$	M_r 212.25 [120-51-4]		
12390	purum $\sim$ 97% (GC); M.P. 17-20°; B.P. 323-324° (Lit.); d_4^{20} 1.117; n_D^{20} 1.568			1 lt $\approx$ 1.12 kg	250 ml 9. —	1 lt 30. —
Benzyl bromide (α -Bromotoluene)						
	6.1/61	$C_6H_5CH_2Br$	C_7H_7Br	M_r 171.04 [100-39-0]		
13250	purum >98% (GC); B.P. ₁₁ 77-80°; d_4^{20} 1.439; n_D^{20} 1.575			1 lt $\approx$ 1.44 kg	100 ml 12. —	250 ml 26. —
Benzyl bromoacetate						
	6.1/61	$BrCH_2COOCH_2C_6H_5$	$C_9H_9BrO_2$	M_r 229.08 [5437-45-6]		
17030	pyrum >97% (GC); B.P. ₀ 96-98°; d_4^{20} 1.44; n_D^{20} 1.545			1 lt $\approx$ 1.44 kg	100 ml 28. —	500 ml 120. —
Benzyl bromomethyl sulfide						
	6.1/81a; 70°	$C_6H_5CH_2SCH_2Br$	C_8H_9BrS	M_r 217.13 [16411-18-0]		
13255	pract. B.P. ₀ 78-80°; d_4^{20} 1.427; n_D^{20} 1.607; store in refrigerator; Reagent for introducing α -Methyl groups in ketones and carboxylic acids; H. J. Reich, J. M. Renda, Chem. Commun. 135 (1974)			1 lt $\approx$ 1.43 kg	10 g 38. —	50 g 160. —
N-Benzyl-tert-butylamine						
	3/4; 90°	$C_6H_5CH_2NHC(CH_3)_3$	$C_{11}H_{17}N$	M_r 163.27 [3378-72-1]		
13260	purum >98% (GC); B.P. 218-220°; d_4^{20} 0.898; n_D^{20} 1.497			1 lt $\approx$ 0.90 kg	250 ml 29. —	
Benzyl carbinol see 77861 Phenethyl alcohol						



				sFr.	sFr.
Benzyl chloride (α -Chlorotoluene)					
6.1/61k; 60° $C_6H_5CH_2Cl$ C_7H_7Cl M_r 126.59 [100-44-7]					
13270	puriss. p.a. >99%(GC); B.P. 116-119°; d_4^{20} 1.098; n_D^{20} 1.539	1 lt $\approx$ 1.10 kg	100 ml 7.—	500 ml 20.—	
13280	purum >98%(GC); d_4^{20} 1.10; n_D^{20} 1.539	1 lt $\approx$ 1.10 kg	1 lt 13.—	2.5 lt 29.—	
Benzyl chloroformate (Carbobenzoxy chloride)					
6.1/61 $ClCOOCH_2C_6H_5$ $C_8H_7ClO_2$ M_r 170.60 [501-53-1]					
23160	pract. 90-95%(NT); d_4^{20} 1.20; n_D^{20} 1.520; may contain Benzyl chloride; corrosive; store in refrigerator	1 lt $\approx$ 1.20 kg	100 ml 25.—	500 ml 105.—	
23162	pract. 50% in Toluene; store in refrigerator	1 lt $\approx$ 1.03 kg	100 ml 12.—	500 ml 50.—	
Benzyl chloromethyl ether					
6.1/61 $C_6H_5CH_2OCH_2Cl$ C_8H_9ClO M_r 156.61 [35365-99-9]					
13282	purum $\sim$ 97%(GC); may contain up to 5% Benzyl chloride; B.P. 114-116° (Lit.); d_4^{20} 1.126; n_D^{20} 1.527; store in refrigerator; Acid protecting group: P. A. Zoretic, P. Soja and W. A. Conrad, J. Org. Chem. 40, 2962 (1975); For introduction of the benzyloxy- and hydroxymethyl group; Org. Synth. 52, 16 (1972); Inhalation and contact with the skin should be avoided	1 lt $\approx$ 1.13 kg	50 ml 32.—	250 ml 135.—	
N-Benzylcinchonidinium chloride, BCDC					
$C_{26}H_{29}ClN_2O$ M_r 420.98					
13285	purum; Chiral phase transfer catalyst: S. Julia et al., J.C.S. Chem. Comm. 742 (1978); S. Julia, A. Ginebreda, Tetrahedron Lett. 2171 (1979)		10 g 28.—	50 g 120.—	
N-Benzylcinchoninium chloride, BCNC					
$C_{26}H_{29}ClN_2O$ M_r 420.98					
13288	purum; Chiral phase transfer catalyst: S. Julia et al., J.C.S. Chem. Comm. 742 (1978)		10 g 28.—	50 g 120.—	
96370	Benzyl cinnamate purum >99%(GC); M.P. 34-35° $C_6H_5CH:CHCOOCH_2C_6H_5$ $C_{16}H_{14}O_2$ M_r 238.29 [103-41-3]		100 g 16.—	500 g 67.—	
Benzyl cyanide (Phenylacetonitrile)					
6.1/21 $C_6H_5CH_2CN$ C_8H_7N M_r 117.15 [140-29-4]					
13300	purum >99%(GC); B.P. 109-110°; d_4^{20} 1.05; n_D^{20} 1.523	1 lt $\approx$ 1.02 kg	250 ml 8.—	1 lt 22.—	
S-Benzyl-L-cysteine					
$C_6H_5CH_2SCH_2CH(NH_2)COOH$ $C_{10}H_{13}NO_2S$ M_r 211.29 [3054-01-1]					
13310	purum >98%(T); M.P. $\sim$ 250° dec.; $[\alpha]_{546}^{20} + 34 \pm 1.5^\circ$; $[\alpha]_D^{20} + 28 \pm 1.5^\circ$ (c = 1.5 in 1N NaOH)		25 g 18.—	100 g 65.—	
S-Benzyl-L-cysteine methyl ester hydrochloride					
$C_6H_5CH_2SCH_2CH(NH_2)COOCH_3 \cdot HCl$ $C_{11}H_{15}NO_2S \cdot HCl$ M_r 261.77 [16741-80-3]					
13330	puriss. >99%(Cl); M.P. 151-152°; $[\alpha]_{546}^{20} - 16 \pm 0.5^\circ$; $[\alpha]_D^{20} - 14 \pm 0.5^\circ$ (c = 3 in H_2O)		1 g 32.—	5 g 67.—	
2-Benzyl-5,6-dihydro-4,4,6-trimethyl-4H-1,3-oxazine					
$N:C(CH_2C_6H_5)OCH(CH_3)CH_2C(CH_3)_2$ $C_{14}H_{19}NO$ M_r 217.31 [26939-22-0]					
13352	pract. >97%(GC); B.P. 116-119°; d_4^{20} 0.992; n_D^{20} 1.511; Reagent for the synthesis of aldehydes: A. I. Meyers et al., J. Org. Chem. 38, 36 (1973)	1 lt $\approx$ 0.99 kg	5 ml 16.—		
N-Benzyl dimethylamine (N,N-Dimethylbenzylamine)					
8/35; 53° $C_6H_5CH_2N(CH_3)_2$ $C_9H_{13}N$ M_r 135.21 [103-83-3]					
13365	for Sequential Analysis	1 lt $\approx$ 0.90 kg	100 ml 30.—		
13370	purum >98%(GC); B.P. 178-181°; d_4^{20} 0.898; n_D^{20} 1.501	1 lt $\approx$ 0.90 kg	250 ml 12.—	1 lt 40.—	
Benzyl dimethylcarbinol see 68710 2-Methyl-1-phenyl-2-propanol					
Benzyl dimethylhexadecylammonium chloride (Cetyl dimethylbenzylammonium chloride)					
$CH_3(CH_2)_{14}N(Cl)(CH_3)_2CH_2C_6H_5 \cdot H_2O$ $C_{26}H_{46}ClN \cdot H_2O$ M_r 414.12 [122-18-9]					
13400	purum >97%(Cl); M.P. 60-63°		25 g 12.—	100 g 40.—	
O-Benzyl-S-(4,6-dimethyl-2-pyrimidinyl) thiocarbonate see 96905 S-Z-2-mercapto-4,6-dimethylpyrimidine					
Benzyl dimethyltetradecylammonium chloride					
$CH_3(CH_2)_{12}N(Cl)(CH_3)_2CH_2C_6H_5 \cdot 2H_2O$ $C_{23}H_{42}ClN \cdot 2H_2O$ M_r 404.08 [139-08-2]					
13401	puriss. M.P. 62-64°		10 g 18.—	50 g 75.—	
13402	pract. 50% in water; d_4^{20} 0.974; n_D^{20} 1.432	1 lt $\approx$ 0.97 kg	250 ml 16.—	1 lt 55.—	

				sFr.	sFr.
33740	Benzyl disulfide puriss. >98%(S); M.P. 70-72° (Dibenzyl disulfide) 6.1/81g $C_6H_5CH_2SSCH_2C_6H_5$ $C_{14}H_{14}S_2$ M_r 246.10 [150-60-7]			100 g 10. —	500 g 40. —
	N-Benzylethanolamine see 13200 2-Benzylaminoethanol				
	Benzyl ether (Dibenzyl ether) ($C_6H_5CH_2$) ₂ O $C_{14}H_{14}O$ M_r 198.27 [103-50-4] purum >98%(GC); M.P. 1.5-3.5°; B.P. ₁₀ 158-160°; d_4^{20} 1.043; n_D^{20} 1.562			1 lt ≈ 1.04 kg	250 ml 8. — 1 lt 22. —
33630					
	N-Benzyl-N-ethylaniline 6.1/21 $C_6H_5N(C_2H_5)CH_2C_6H_5$ $C_{15}H_{17}N$ M_r 211.31 [92-59-1] pract. >97%(NT); B.P. ₁₀ 285-286° (Lit.); d_4^{20} 1.032; n_D^{20} 1.595			1 lt ≈ 1.03 kg	250 ml 9. — 1 lt 28. —
03110					
	Benzyl ethyl ketone (1-Phenyl-2-butanone) $C_6H_5CH_2COC_2H_5$ $C_{10}H_{12}O$ M_r 148.21 [1007-32-5] purum >98%(GC); B.P. ₁₀ 109-113°; d_4^{20} 0.989; n_D^{20} 1.511			1 lt ≈ 0.99 kg	50 ml 17. — 250 ml 70. —
03120					
06501	Benzyl formate pract. ~95%(GC); B.P. ₁₀ 84-85° (Lit.); d_4^{20} 1.087; n_D^{20} 1.511 8/21 $HCOOCH_2C_6H_5$ $C_8H_8O_2$ M_r 136.14 [104-57-4]			1 lt ≈ 1.09 kg	100 ml 12. — 500 ml 50. —
13450	Benzylhydrazine oxalate purum ~98%(T); M.P. 183-188° dec. $C_6H_5CH_2NHNH_2 \cdot (COOH)_2$ $C_7H_{10}N_2 \cdot C_2H_2O_4$ M_r 212.21 [32064-65-6]				5 g 24. — 25 g 100. —
	3-Benzyl-5-(2-hydroxyethyl)-4-methylthiazolium chloride $C_6H_5CH_2N(Cl):CHSC(CH_2CH_2OH):CCH_3$ $C_{13}H_{16}ClNOS$ M_r 269.80 [4568-71-2] purum >99%(Cl); M.P. 142-144°; Catalyst for the addition of aliphatic and heterocyclic aldehydes to α,β -unsaturated ketones nitriles and esters. Preparation of a) Tri- and polyketones: H. Stetter et al., Chem. Ber. 110, 1007 (1977); b) cyanoketones: H. Stetter, H. Kuhlmann, Chem. Ber. 109, 2890 (1976); c) 1,4-Diketones: H. Stetter et al., Chem. Ber. 112, 84 (1979) and ref. cited therein; d) oxocarboxylic esters: H. Stetter et al., Chem. Ber. 111, 43 (1978) and ref. cited therein				10 g 14. — 50 g 60. —
13453					
	O-Benzylhydroxylamine hydrochloride (Benzyloxyamine hydrochloride) $C_6H_5CH_2ONH_2 \cdot HCl$ $C_7H_9NO \cdot HCl$ M_r 159.62 [2687-43-6] purum >98%(Cl); M.P. 234-238° dec.; H_2O <2%			5 g 24. —	10 g 45. — 50 g 190. —
13455					
	1-Benzyl-3-hydroxypiperidine (1-Benzyl-3-piperidinol) $C_6H_5CH_2NCH_2CH_2CH_2CH(OH)CH_2$ $C_{12}H_{17}NO$ M_r 191.28 [14813-01-5] purum >99%(NT); d_4^{20} 1.059; n_D^{20} 1.548			1 lt ≈ 1.06 kg	10 ml 14. — 50 ml 60. —
13459					
13460	1-Benzyl-4-hydroxypiperidine purum M.P. 59-61° (1-Benzyl-4-piperidinol) 6.1/21 $C_6H_5CH_2NCH_2CH_2CH(OH)CH_2CH_2$ $C_{12}H_{17}NO$ M_r 191.28 [4727-72-4]				10 g 15. —
	Benzyl N-(1-hydroxy-2,2,2-trifluoroethyl)carbamate [1-Benzylloxycarbonylamino-2,2,2-trifluoro-1-hydroxyethane; 2,2,2-Trifluoro-1-(benzyloxycarbonylamino)ethanol; Weygands-ZTF-OH-Reagent] $C_6H_5CH_2OCONHCH(OH)CF_3$ $C_{10}H_{10}F_3NO_3$ M_r 249.19 [6798-33-0] purum; For the protection of imidazole groups: F. Weygand et al., Chem. Ber. 100, 3841 (1967); and Hydroxy functions: F. Weygand et al., 99, 1944 (1966); ibid. 101, 923 (1968); in peptide synthesis				5 g 50. —
56535					
	Benzylidenacetone see 11960 Benzalacetone				
	3-Benzylidenephthalide see 12061 3-Benzalphthalide				
	2-Benzyl-2-imidazoline hydrochloride (Tolazoline hydrochloride) $N:C(CH_2C_6H_5)NHCH_2CH_2 \cdot HCl$ $C_{10}H_{12}N_2 \cdot HCl$ M_r 196.68 [59-97-2] purum >98%(Cl); M.P. 172-174°				100 g 38. —
13480					
	Benzyl iodoacetate (Iodoacetic acid benzyl ester) 8/22 $ICH_2COOCH_2C_6H_5$ $C_9H_9IO_2$ M_r 276.06 [63379-64-6] pract. >90%(GC); M.P. 159-160°; d_4^{20} 1.663; n_D^{20} 1.577			1 lt ≈ 1.66 kg	25 ml 35. —
57855					
	N-Benzylisopropylamine (N-Isopropylbenzylamine) 8/35; 72° $C_6H_5CH_2NHCH(CH_3)_2$ $C_{10}H_{15}N$ M_r 149.24 [102-97-6] purum >97%(GC); B.P. 207-209°; d_4^{20} 0.906; n_D^{20} 1.502			1 lt ≈ 0.91 kg	100 ml 18. — 500 ml 75. —
13490					
	Benzyl isothiocyanate 6.1/21 $C_6H_5CH_2NCS$ C_8H_7NS M_r 149.22 [622-78-6] purum ~97%(GC); B.P. _{0.08} 76-78°; d_4^{20} 1.125; n_D^{20} 1.603; store in refrigerator			1 lt ≈ 1.13 kg	10 ml 15. — 50 ml 63. —
13505					

				sFr.	sFr.
	S-Benzylisothiourea hydrochloride (S-Benzylthiuronium chloride)				
	$\text{NH}_2\text{C}(\text{SCH}_2\text{C}_6\text{H}_5):\text{NH}\cdot\text{HCl}$ $\text{C}_8\text{H}_{10}\text{N}_2\text{S}\cdot\text{HCl}$ M_r 202.71 [538-28-3]				
13510	puriss. p.a. >99% (Cl); M.P. 174-176°			25 g 9.—	100 g 28.—
13520	pract. >98% (Cl); M.P. 173-176°			100 g 10.—	500 g 42.—
	Benzylmalonic acid (β -Phenylisosuccinic acid)				
	$\text{C}_6\text{H}_5\text{CH}_2\text{CH}(\text{COOH})_2$ $\text{C}_{10}\text{H}_{10}\text{O}_4$ M_r 194.19 [616-75-1]				
13530	purum >98% (T); M.P. 117-120°; Ash <0.1%			10 g 13.—	50 g 55.—
	Benzyl mercaptan (α -Toluenethiol)				
	3/4; 70° $\text{C}_6\text{H}_5\text{CH}_2\text{SH}$ $\text{C}_7\text{H}_8\text{S}$ M_r 124.21 [100-53-8]				
13540	purum >99% (GC); B.P. 75-77°; d_4^{20} 1.053; n_D^{20} 1.576	1 lt $\approx$ 1.05 kg		100 ml 13.—	500 ml 55.—
	N-Benzylmethylamine (N-Methylbenzylamine)				
	8/35; 75° $\text{C}_6\text{H}_5\text{CH}_2\text{NHCH}_3$ $\text{C}_8\text{H}_{11}\text{N}$ M_r 121.18 [103-67-3]				
13570	techn. $\sim$ 90% (GC); B.P. 184-187°; d_4^{20} 0.95; n_D^{20} 1.522	1 lt $\approx$ 0.95 kg		100 ml 8.—	500 ml 29.—
	N-Benzyl-2-methylaminoethanol (N-Benzyl-N-methylethanolamine)				
	$\text{C}_6\text{H}_5\text{CH}_2\text{N}(\text{CH}_3)\text{CH}_2\text{CH}_2\text{OH}$ $\text{C}_{10}\text{H}_{15}\text{NO}$ M_r 165.24 [101-98-4]				
13580	purum >98% (GC); B.P. 115-117°; d_4^{20} 1.02; n_D^{20} 1.526	1 lt $\approx$ 1.02 kg		100 ml 30.—	500 ml 125.—
	(-)-N-Benzyl-N-methylephedrinium bromide				
	$\text{C}_6\text{H}_5\text{CH}(\text{OH})\text{CH}(\text{CH}_3)\text{N}(\text{Br})(\text{CH}_3)_2\text{CH}_2\text{C}_6\text{H}_5$ $\text{C}_{18}\text{H}_{24}\text{BrNO}$ M_r 350.30				
	[58648-09-2]				
13593	purum >99% (Br); M.P. 209-211°; $[\alpha]_{546}^{20} -6.0 \pm 0.5^\circ$; $[\alpha]_D^{20} -5.3 \pm 0.5^\circ$ (c = 4.5 in Methanol); Chiral phase transfer catalyst: L. Fieser, M. Fieser, "Reagents for Organic Synthesis", 6, 39, John Wiley and Sons, Inc.; L. Horner W. Birch, Liebigs Ann. Chem. 710 (1978)			5 g 18.—	25 g 75.—
	N-Benzyl-N-methylethanolamine see 13580 N-Benzyl-2-methylaminoethanol				
	Benzyl methyl ketone see 13600 Phenylacetone				
72351	Benzyl nicotinate pract. $\sim$ 97% (GC); B.P. 177° (Lit.); d_4^{20} 1.165; n_D^{20} 1.568	1 lt $\approx$ 1.16 kg		100 ml 22.—	500 ml 90.—
6.1/21	$\text{CH:CHCH:NCH:CCOOCH}_2\text{C}_6\text{H}_5$ $\text{C}_{13}\text{H}_{11}\text{NO}_2$ M_r 213.24 [94-44-0]				
	Benzyl orange [4-(4-Benzylaminophenylazo)benzenesulfonic acid Potassium salt]				
	$\text{KO}_3\text{SC}_6\text{H}_4\text{-4-N:N-4-C}_6\text{H}_4\text{NHCH}_2\text{C}_6\text{H}_5$ $\text{C}_{19}\text{H}_{16}\text{KN}_3\text{O}_3\text{S}$ M_r 405.52 [589-02-6]				
13620	Standard Fluka; Indicator pH 1.9-3.3			5 g 44.—	
	1-Benzyl-4-oxopiperidine see 13830 1-Benzyl-4-piperidone				
	Benzylloxylamine hydrochloride see 13455 O-Benzylhydroxylamine hydrochloride				
13621	4-Benzylloxylaniline purum >99% (NT); M.P. 53-54°			10 g 22.—	50 g 90.—
	$\text{C}_6\text{H}_5\text{CH}_2\text{OC}_6\text{H}_4\text{NH}_2$ $\text{C}_{13}\text{H}_{13}\text{NO}$ M_r 199.26 [6373-46-2]				
	4-Benzylloxy-2-butanone				
	3/4; 71° $\text{C}_6\text{H}_5\text{CH}_2\text{OCH}_2\text{CH}_2\text{COCH}_3$ $\text{C}_{11}\text{H}_{14}\text{O}_2$ M_r 178.23 [104-20-1]				
13622	purum >97% (GC); B.P. 90-92°; d_4^{20} 1.027; n_D^{20} 1.505	1 lt $\approx$ 1.03 kg		25 ml 24.—	100 ml 90.—
	Benzylloxycarbonyl... see also Z...				
	1-Benzylloxycarbonylamino-2,2,2-trifluoro-1-hydroxyethane				
	see 56535 Benzyl N-(1-hydroxy-2,2,2-trifluoroethyl)carbamate				
	S-Benzylloxycarbonylthiosulfonic acid Sodium salt (S-Z-thiosulfonic acid Sodium salt)				
	6.1/81 $\text{C}_6\text{H}_5\text{CH}_2\text{OCOSSO}_3\text{Na}$ $\text{C}_8\text{H}_7\text{NaO}_5\text{S}_2$ M_r 270.26 [57557-05-8]				
13630	purum >98% (C,H-Analysis); M.P. 221-223°; Water soluble reagent for the introduction of the Z-group: J. B. Caldwell et al., Austr. J. Chem. 19, 1297 (1966)			10 g 30.—	50 g 125.—
13650	5-Benzylloxyindole puriss. $\sim$ 99% (N); M.P. 98-100°			1 g 18.—	5 g 75.—
	$\text{C}_6\text{H}_5\text{CH}_2\text{OC}_6\text{H}_3\text{NHCH:CH}$ $\text{C}_{15}\text{H}_{13}\text{NO}$ M_r 223.28 [1215-59-4]				
	4-Benzylloxy-3-methoxybenzaldehyde (O-Benzylvanillin; Vanillin benzyl ether)				
	$\text{C}_6\text{H}_5\text{CH}_2\text{OC}_6\text{H}_3(\text{OCH}_3)\text{CHO}$ $\text{C}_{16}\text{H}_{14}\text{O}_3$ M_r 242.28 [2426-87-1]				
13720	purum >99% (GC); M.P. 62-64°			25 g 24.—	
	4-Benzylloxyphenol see 54029 Hydroquinone monobenzyl ether				
	2-Benzylphenol (2-Hydroxydiphenylmethane; α -Phenyl-o-cresol)				
	6.1/22 $\text{C}_6\text{H}_5\text{CH}_2\text{C}_6\text{H}_4\text{OH}$ $\text{C}_{13}\text{H}_{12}\text{O}$ M_r 184.24 [28994-41-4]				
13761	pract. >95% (GC); M.P. 49-51°			50 g 21.—	250 g 90.—

					sFr.	sFr.
	4-Benzylphenol (4-Hydroxydiphenylmethane; α -Phenyl-p-cresol)					
13770	6.1/22 $C_6H_5CH_2C_6H_4OH$ $C_{13}H_{12}O$ M_r 184.24 [101-53-1] pract. >95%(NT); M.P. 82-85°				25 g 25. —	
13790	N-Benzyl-N-phenylhydrazine hydrochloride purum M.P. 171-173° $C_6H_5CH_2N(C_6H_5)NH_2 \cdot HCl$ $C_{13}H_{14}N_2 \cdot HCl$ M_r 234.73 [5705-15-7]				25 g 46. —	
	Benzyl phenyl ketone see 30950 Deoxybenzoin					
13795	3-Benzylphthalide purum >98%(GC); M.P. 59-61° $C_6H_4COOCHCH_2C_6H_5$ $C_{15}H_{12}O_2$ M_r 224.26 [7011-98-5]				250 g 50. —	
	1-Benzylpiperazine					
13815	$C_6H_5CH_2NCH_2CH_2NHCH_2CH_2$ $C_{11}H_{16}N_2$ M_r 176.26 [2759-28-6] purum >99%(GC); M.P. 17-20°; d_4^{20} 1.017; n_D^{20} 1.547; store in refrigerator				25 g 10. —	100 g 32. —
	4-Benzylpiperidine [Phenyl-(4-piperidyl)methane] $CH_2CH_2NHCH_2CH_2CHCH_2C_6H_5$ $C_{12}H_{17}N$ M_r 175.28 [31252-42-3]					
13820	purum ~97%(GC); B.P. 279° (Lit.); d_4^{20} 0.985; n_D^{20} 1.538	1 lt $\approx$ 0.98 kg			25 ml 17. —	100 ml 60. —
	1-Benzyl-3- and -4-piperidinol see 13459 and 13460 1-Benzyl-3- and -4-hydroxypiperidine					
	1-Benzyl-4-piperidone (1-Benzyl-4-oxopiperidine) $C_6H_5CH_2NCH_2CH_2COCH_2CH_2$ $C_{12}H_{15}NO$ M_r 189.26 [3612-20-2]					
13830	pract. >95%(GC); B.P. 107-108°; d_4^{20} 1.059; n_D^{20} 1.539	1 lt $\approx$ 1.06 kg			25 ml 14. —	100 ml 50. —
	Benzyl propyl ketone see 13840 1-Phenyl-2-pentanone					
	2-Benzylpyridine					
13850	6.1/21 $N:C(CH_2C_6H_5)CH:CHCH:CH$ $C_{12}H_{11}N$ M_r 169.23 [101-82-6] purum >98%(GC); M.P. 13-16°; B.P. 140-143°; d_4^{20} 1.053; n_D^{20} 1.579; Appearance: yellow	1 lt $\approx$ 1.05 kg			25 ml 8. —	100 ml 22. —
	4-Benzylpyridine					
13860	6.1/21 $N:CHCH:C(CH_2C_6H_5)CH:CH$ $C_{12}H_{11}N$ M_r 169.23 [2116-65-6] purum ~97%(GC); B.P. 287° (Lit.); d_4^{20} 1.061; n_D^{20} 1.582; Appearance: yellow	1 lt $\approx$ 1.06 kg			100 ml 16. —	500 ml 69. —
	Benzyl-2-pyridylamine see 13220 2-Benzylaminopyridine					
	N-Benzylquininium chloride , QUIBEC $C_{27}H_{31}ClN_2O_2$ M_r 451.01 [60990-88-7]					
13265	purum >98%(Cl); M.P. 177° dec.; $[\alpha]_{546}^{20} -272 \pm 2^\circ$; $[\alpha]_D^{20} -224 \pm 2^\circ$ (c = 1.5 in water); H_2O <2%; Chiral phase-transfer catalyst: J.C. Hummelen, H. Wynberg, Tetrahedron Lett. 1089 (1978); H. Wynberg, B. Greijdanus, J.C.S. Chem. Comm. 427 (1978); S. Colonna, R. Fornasier, J.C.S. Perkin I, 371 (1978)				5 g 24. —	25 g 100. —
	Benzyl rhodanide see 13929 Benzyl thiocyanate					
	O-Benzyl-L-serine [(S)-2-Amino-3-benzyloxypropionic acid] $C_6H_5CH_2OCH_2CH(NH_2)COOH$ $C_{10}H_{13}NO_3$ M_r 195.22 [4726-96-9]					
13900	puriss. CHR >99%(NT); M.P. 222-224° dec.; $[\alpha]_{546}^{20} +26 \pm 1.5^\circ$; $[\alpha]_D^{20} +22 \pm 1.5^\circ$; (c = 2 in 8 ml acetic acid + 1 ml 1n hydrochloric acid + 1 ml water)				1 g 15. —	5 g 63. —
	O-Benzyl-D-serine [(R)-2-Amino-3-benzyloxypropionic acid] $C_6H_5CH_2OCH_2CH(NH_2)COOH$ $C_{10}H_{13}NO_3$ M_r 195.22 [10433-52-0]					
13910	puriss. CHR >99%(NT); M.P. 228-232° dec.; $[\alpha]_{546}^{20} -26 \pm 2^\circ$; $[\alpha]_D^{20} -22 \pm 2^\circ$ (c = 2 in 8 ml acetic acid + 1 ml 1n hydrochloric acid + 1 ml water)				1 g 25. —	5 g 105. —
	O-Benzyl-DL-serine [(±)-2-Amino-3-benzyloxypropionic acid] $C_6H_5CH_2OCH_2CH(NH_2)COOH$ $C_{10}H_{13}NO_3$ M_r 195.22 [5445-44-3]					
13920	puriss. CHR >99%(NT); M.P. 224-228° dec.				5 g 25. —	25 g 105. —
33820	Benzyl sulfide purum >98%(HPLC); M.P. 44-47° (Dibenzyl sulfide) $(C_6H_5CH_2)_2S$ $C_{14}H_{14}S$ M_r 214.33 [538-74-9]				100 g 18. —	500 g 75. —
33830	Benzyl sulfoxide purum >98%(S); M.P. 130-132° (Dibenzyl sulfoxide) $(C_6H_5CH_2)_2SO$ $C_{14}H_{14}OS$ M_r 230.33 [621-08-9]				100 g 11. —	500 g 44. —
13548	2-(Benzylthio)aniline purum >97%(NT); M.P. 43-44°; store in refrigerator 6.1/21 $NH_2C_6H_4SCH_2C_6H_5$ $C_{13}H_{13}NS$ M_r 215.32 [621-08-9]				10 g 25. —	50 g 105. —

							sFr.	sFr.
	Benzyl thiocyanate (Benzyl rhodanide)							
	6.1/21	$C_6H_5CH_2SCN$	C_6H_7NS	M_r 149.22	[3012-37-1]			
13929		purum $\sim 97\%$ (S); M.P. 39-41°; store in refrigerator					100 g 10. —	500 g 40. —
13931		pract. $>95\%$ (S); M.P. 35-40°; store in refrigerator					250 g 16. —	1 kg 55. —
	S-Benzylthiuronium chloride see 13510 S-Benzylisothiurea hydrochloride							
13954	Benzyltributylammonium bromide purum $>99\%$ (Br); M.P. 169-171°						50 g 32. —	250 g 135. —
		$C_6H_5CH_2N(Br)(CH_2CH_2CH_2CH_3)_3$	$C_{19}H_{34}BrN$	M_r 356.40	[25316-59-0]			
	Benzyltributylammonium chloride							
		$C_6H_5CH_2N(Cl)(CH_2CH_2CH_2CH_3)_3$	$C_{19}H_{34}ClN$	M_r 311.94	[23616-79-7]			
13952		purum $>98\%$ (Cl); M.P. 155-160°; $H_2O \sim 2\%$; phase transfer catalyst; A. Brändström, B. Lamm, Acta Chem. Scand. B 28, 590 (1974)					100 g 15. —	500 g 63. —
13953	Benzyltrichlorosilane pract. B.P. 221-224°; d_4^{20} 1.283					1 lt $\approx$ 1.28 kg	25 ml 29. —	100 ml 120. —
	8/23b	$C_6H_5CH_2SiCl_3$	$C_7H_7Cl_3Si$	M_r 225.58	[701-35-9]			
13947	Benzyltriethylammonium bromide purum $\sim 97\%$ (Cl)						100 g 18. —	500 g 75. —
		$C_6H_5CH_2N(Br)(C_2H_5)_3$	$C_{13}H_{22}BrN$	M_r 272.24	[5197-95-5]			
13950	Benzyltriethylammonium chloride purum $>98\%$ (Cl); M.P. $\sim 185^\circ$ dec.						250 g 26. —	1 kg 95. —
		$C_6H_5CH_2N(Cl)(C_2H_5)_3$	$C_{13}H_{22}ClN$	M_r 227.78	[56-37-1]			
13955	Benzyltriethylammonium iodide purum						100 g 28. —	500 g 120. —
		$C_6H_5CH_2N(I)(C_2H_5)_3$	$C_{13}H_{22}IN$	M_r 319.23	[5400-94-2]			
	Benzyltriethylammonium tetrafluoroborate							
		$C_6H_5CH_2N(BF_4)(C_2H_5)_3$	$C_{13}H_{22}BF_4N$	M_r 279.13	[16652-03-2]			
13951		purum $>98\%$ (C,H-Analysis); M.P. 110-112°; Cl $<0.2\%$					10g 15. —	50 g 63. —
	N-Benzyltrifluoromethanesulfonamide							
		$CF_3SO_2NHCH_2C_6H_5$	$C_8H_8F_3NO_2S$	M_r 239.22	[36457-58-6]			
13960		purum $>98\%$ (C,H,N-Analysis); M.P. 44-46°; Reagent for a one-flask Gabriel synthesis of primary amines: L. Fieser, M. Fieser, "Reagents for Organic Synthesis", 5, 29; 6, 43; J. B. Hendrickson et al., Acc. Chem. Res. 10, 306 (1977); OPPI 9, 173 (1977)					5 g 32. —	25 g 135. —
	Benzyltrimethylammonium chloride							
		$C_6H_5CH_2N(Cl)(CH_3)_3$	$C_{10}H_{16}ClN$	M_r 185.70	[56-93-9]			
13970		purum $>98\%$ (Cl); M.P. 232-235° dec.					250 g 22. —	1 kg 80. —
13980		pract. d_4^{20} 1.058; n_D^{20} 1.446; $\sim 50\%$ in water					1 lt $\approx$ 1.07 kg 1 lt 25. —	5 lt 105. —
	Benzyltrimethylammonium hydroxide (Triton B®)							
	3/5; 11°	$C_6H_5CH_2N(OH)(CH_3)_3$	$C_{10}H_{17}NO$	M_r 167.25	[100-85-6]			
13990		pract. 40% in Methanol; d_4^{20} 0.929					1 lt $\approx$ 0.93 kg 100 ml 9. —	500 ml 34. — 1 lt 65. —
13991	8/32	pract. 40% in water; d_4^{20} 1.07					1 lt $\approx$ 1.07 kg 100 ml 11. —	500 ml 46. —
	Benzyltrimethylammonium methoxide							
	3/5; 11°	$C_6H_5CH_2N(OCH_3)(CH_3)_3$	$C_{11}H_{19}NO$	M_r 181.28	[122-08-6]			
14000		pract. 40% in Methanol; d_4^{20} 0.906; n_D^{20} 1.418					1 lt $\approx$ 0.92 kg 100 ml 8. —	500 ml 29. —
14005	Benzyltriphenylphosphonium chloride purum $>99\%$ (Cl); M.P. $>300^\circ$						50 g 32. —	250 g 135. —
		$(C_6H_5)_3P(Cl)CH_2C_6H_5$	$C_{25}H_{22}ClP$	M_r 388.88	[1100-88-5]			
	O-Benzyl-L-tyrosine							
		$C_6H_5CH_2OC_6H_4CH_2CH(NH_2)COOH$	$C_{16}H_{17}NO_3$	M_r 271.32	[16652-64-5]			
14010		puriss. $>99\%$ (NT); $[\alpha]_{548}^{20} -10 \pm 0.5^\circ$; $[\alpha]_D^{20} -9 \pm 0.5^\circ$ (c = 1 in 80% Acetic acid)					1 g 12. —	5 g 50. —
	O-Benzylvanillin see 13720 4-Benzylloxy-3-methoxybenzaldehyde							
14050	Berberine chloride pract. $\sim 95\%$ (Cl); M.P. 204-206° dec.						10 g 10. —	50 g 42. —
	6.1/81e	$C_{20}H_{18}ClNO_4 \cdot 2H_2O$	M_r 407.86	[633-65-8]				
	Berberine sulfate [C.I. Nr. 75160; Sch. Nr. 1373]							
		$(C_{20}H_{18}NO_4)_2SO_4 \cdot 3H_2O$	M_r 822.85	[633-66-9]				
14070		purum for Fluorescence Microscopy (Bact., Bot., Hist., Vit.)					10 g 15. —	50 g 63. —
	Bergmann Reagent see 42070 2,4-Dinitro-5-fluoroaniline							
	Beryllium							
	6.1/51	Be	A_r 9.01	[7440-41-7]				
14200		puriss. powder $>99.7\%$					5 g 20. —	25 g 85. —
14201		puriss. flakes $>99\%$					1 g 14. —	5 g 60. —

						sFr.	sFr.
14212	Beryllium carbonate techn. 6.1/51 BeCO_3 CBeO_3 M_r 69.02 [13106-47-3]					25 g 29. —	100 g 105. —
14220	Beryllium chloride anhydrous purum ~97%(Cl) 6.1/51 BeCl_2 M_r 79.92 [7787-47-5]					10 g 15. —	50 g 63. —
14242	Beryllium hydroxide pract. containing 10-15% water 6.1/51 $\text{Be(OH)}_2 \cdot \text{H}_2\text{O}$ $\text{BeH}_2\text{O}_2 \cdot \text{H}_2\text{O}$ M_r 61.04 [13327-32-71]					25 g 14. —	100 g 50. —
	Beryllium nitrate 6.1/51 $\text{Be(NO}_3)_2 \cdot \text{aq}$ $\text{BeN}_2\text{O}_6 \cdot \text{aq}$ M_r 133.02 + aq [13597-99-4]						
14248	purum p.a. Fluka-Guarantee: Assay >97.0 % Lead (Pb) <0.005% Chloride (Cl) / <0.005% Iron (Fe) <0.005% Sulfate (SO_4) <0.005% Zinc (Zn) <0.005% Copper (Cu) <0.005% Calcium (Ca) <0.005%					100 g 22. —	
14250	techn. ~90%(T) (anhydrous)					100 g 14. —	500 g 60. —
14260	Beryllium oxide purum 6.1/51 BeO M_r 25.01 [1304-56-9]					25 g 33. —	100 g 120. —
14270	Beryllium sulfate purum p.a.; store in refrigerator 6.1/51 $\text{BeSO}_4 \cdot 4\text{H}_2\text{O}$ $\text{BeO}_4\text{S} \cdot 4\text{H}_2\text{O}$ M_r 177.14 [7787-56-6] Fluka-Guarantee: Assay >98.0 % Lead (Pb) <0.005% Chloride (Cl) <0.005% Iron (Fe) <0.005% Copper (Cu) <0.005% Zinc (Zn) <0.005%					100 g 20. —	500 g 85. —
BES see 14855 N,N-Bis(2-hydroxyethyl)-2-aminoethanesulfonic acid							
14290	Betaine anhydrous purum >98%(NT); M.P. 301-305° dec.; H_2O ~2% (Oxyneurine) $(\text{CH}_3)_3\text{N}^+\text{CH}_2\text{COO}^-$ $\text{C}_5\text{H}_{11}\text{NO}_2$ M_r 117.15 [107-43-7]					100 g 8. —	500 g 29. —
14295	Betaine hydrochloride purum >99%(T); M.P. ~250° dec. $(\text{CH}_3)_3\text{N}(\text{Cl})\text{CH}_2\text{COOH}$ $\text{C}_5\text{H}_{12}\text{ClNO}_2$ M_r 153.61 [590-46-5]					500 g 12. —	
	Betaine Monohydrate $(\text{CH}_3)_3\text{N}(\text{OH})\text{CH}_2\text{COOH}$ $\text{C}_5\text{H}_{13}\text{NO}_3$ M_r 135.16						
14300	purum ~97%(NT); 1 g clearly and colourless soluble in 10 ml water					100 g 8. —	500 g 26. —
BHA see 20021 3-tert.-Butyl-4-hydroxyanisole							
BHT see 34750 2,6-Di-tert.-butyl-p-cresol							
14336	Bibenzyl-2-carboxylic acid techn. ~90%(T) [2-(2-Phenylethyl)benzoic acid] $\text{HOOCCH}_2\text{CH}_2\text{CH}_2\text{C}_6\text{H}_5$ $\text{C}_{15}\text{H}_{14}\text{O}_2$ M_r 226.28 [4890-85-1]					100 g 20. —	
BICINE see 14872 N,N-Bis(2-hydroxyethyl)glycine							
	Bicuculline $\text{C}_{20}\text{H}_{17}\text{NO}_6$ M_r 367.36 [485-49-4]						
14340	purum >99%(NT); M.P. 193-197°; $[\alpha]_{546}^{20} + 159 \pm 3^\circ$; $[\alpha]_D^{20} + 126 \pm 3^\circ$ (c = 1 in CHCl_3)					100 mg 28. —	500 mg 120. —
Bicyclo[5.3.0]decapentaene see 11650 Azulene							
	Bicyclo[2.2.1]hepta-2,5-diene (2,5-Norbornadiene) 3/1a; 11° C_7H_8 M_r 92.14 [121-46-0]						
14349	purum ~97%(GC); B.P. 88-90°; d_4^{20} 0.906; n_D^{20} 1.470				1 lt ≈ 0.91 kg	250 ml 18. —	1 lt 65. —
Bicyclo[2.2.1]heptan-2-ol see 74509 α-Norborneol							
Bicyclo[2.2.1]heptan-2-on see 74520 Norcamphor							
14351	Bicyclo[2.2.1]hept-2-ene purum ~97%(GC); M.P. 44-46° (2-Norbornene) C_7H_{10} M_r 94.16 [498-66-8]					100 g 8. —	500 g 37. —
	Bicyclo[2.2.1]hept-5-ene-2-carboxaldehyde (5-Norbornene-2-carboxaldehyde) 3/3; 48° $\text{C}_8\text{H}_{10}\text{O}$ M_r 122.17 [5453-80-5]						
14352	pract. >95%(GC); mixture of endo- and exo-form				1 lt ≈ 1.03 kg	25 ml 20. —	100 ml 70. —
	Bicyclo[2.2.1]hept-5-ene-2,3-dicarboxylic anhydride (Nadic anhydride; 4.1/11 5-Norbornene-2,3-dicarboxylic anhydride) $\text{C}_8\text{H}_6\text{O}_3$ M_r 164.16 [826-62-0]						
14353	purum ~97%(T); M.P. 158-162°					250 g 21. —	1 kg 75. —



B

sFr.

sFr.

Bicyclo[2.2.1]hept-2-ylacetic acid see 74511 2-Norbornaneacetic acid**Bicyclo[2.2.1]-hept-2-ylamine** see 74510 (±)-Norbornylamine**Bicyclo[4.3.0]nonane** see 53932 Hydrindan (cis + trans)**cis-Bicyclo[3.3.0]oct-2-ene** C_8H_{12} M_r 108.19

14360

puriss. >99.5%(GC); B.P. 133-135°; d_4^{20} 0.889; n_D^{20} 1.433

1 lt ≈ 0.89 kg

50 ml 32. —

Biebrich Scarlet R Fat Soluble see 84650 Scarlet R**Biebrich Scarlet WS** see 81450 Ponceau BS**Bile Acids** see "Steroids incl. Bile acids" green section**Bilirubin** $C_{33}H_{36}N_4O_6$ M_r 584.68 [635-65-4]

14369

puriss. p.a. ~99%(UV); λ_{max} 453 nm; $\log \epsilon$ 4.78; Ash <0.1%

250 mg 24. —

1 g 90. —

14370

purum p.a. λ_{max} 453 nm; $\log \epsilon$ 4.75; Ash <0.3%

250 mg 12. —

1 g 40. —

1,1'-Binaphthalene-4,4'-diamine see Naphthidine**1,1'-Bi-(2-naphthol)** (2,2'-Dihydroxy-1,1'-dinaphthyl)2-HOC₁₀H₆-1-C₁₀H₆-2-OH $C_{20}H_{14}O_2$ M_r 286.33 [602-09-5]

14382

puriss. p.a. >99%(NT); M.P. 215-217°; 1 g clearly soluble in 20 ml Dioxane;
for determination of Tartaric acid, Feigl, Spot Tests in Org. Analysis, 6th edition,
p. 389

10 g 30. —

(+)-Biotin (Vitamin H) $C_{10}H_{16}N_2O_3S$ M_r 244.32 [58-85-5]

14400

puriss. >99%(T); M.P. 229-231°; $[\alpha]_{546}^{20} + 109.0 \pm 2^\circ$; $[\alpha]_D^{20} + 91.5 \pm 2^\circ$
(c = 1 in 0.1n NaOH)

100 mg 13. —

500 mg 32. —

S,S'-Bi(D-penicillamine) see 76422 D-Penicillamine disulfide**2,2'-Biphenol** see 37620 2,2'-Dihydroxybiphenyl

14410

Biphenyl purum >98%(HPLC); M.P. 68-70°; Ash <0.05%

1 kg 15. —

5 kg 63. —

 $C_6H_5C_6H_5$ $C_{12}H_{10}$ M_r 154.21 [92-52-4]**2- and 4-Biphenylamine** see 07110 and 07130 2- and 4-Aminobiphenyl

14425

Biphenyl-4-carbonyl chloride puriss. >99%(Cl); M.P. 112-114°

5 g 13. —

25 g 55. —

 $C_6H_5C_6H_4COCl$ $C_{13}H_9ClO$ M_r 216.67 [14002-51-8]

14418

Biphenyl-2-carboxylic acid purum >99%(T); M.P. 111-113° (2-Phenylbenzoic acid)

10 g 11. —

50 g 44. —

 $C_6H_5C_6H_4COOH$ $C_{13}H_{10}O_2$ M_r 198.22 [947-84-2]**Biphenyl-4-carboxylic acid** (4-Phenylbenzoic acid) $C_6H_5C_6H_4COOH$ $C_{13}H_{10}O_2$ M_r 198.22 [92-92-2]

14421

pract. ~97%(T); M.P. 220-225°; Ash <0.5%; H₂O <2%

25 g 20. —

100 g 70. —

Biphenyl-2,2'-dicarboxylic acid see 42670 Diphenic acid**4-Biphenyl methyl ketone** see 00939 4-Acetylbiphenyl

14448

2-(4-Biphenyl)-6-phenylbenzoxazole, PBBO purum Solute for liquid Scintillation

1 g 13. —

5 g 55. —

 $C_6H_5C_6H_3OC(C_6H_4C_6H_5):N$ $C_{28}H_{17}NO$ M_r 347.42 [63415-60-1]**2-(4-Biphenyl)-5-phenyl-1,3,4-oxadiazole**, PBD [2-Phenyl-5-(4-biphenyl)-1,3,4-oxadiazole] $QC(C_6H_4C_6H_5):NN:CC_6H_5$ $C_{20}H_{14}N_2O$ M_r 298.35 [852-38-0]

14450

purum M.P. 164-166°; for Scintillation

1 g 7. —

5 g 24. —

2-(4-Biphenyl)-2-propanol [2-Hydroxy-2-(4-biphenyl)-propane] $(CH_3)_2C(OH)C_6H_4C_6H_5$ $C_{16}H_{16}O$ M_r 212.29 [34352-74-4]

14451

purum M.P. 90-93°; 1 g clearly soluble in 10 ml Chloroform

10 g 25. —

50 g 105. —

2-(4-Biphenyl)-pro-2-yl-4'-carboxyphenyl carbonate $C_{24}H_{22}O_6$ M_r 390.44

14452

purum; store in refrigerator; For the introduction of the acid labile BPOC-amino
protecting group: E. Schnabel et al., Justus Liebigs Ann. Chem. 743, 69 (1971).
Selective acidolytic cleavage of the BPOC-protection: B. Riniker et al., Helv.
58, 1086 (1975)

5 g 40. —

25 g 165. —

			sFr.	sFr.
	2,2'-Bi(γ-picoline) see 40220 4,4'-Dimethyl-2,2'-dipyridyl			
	2,2'-Bipyridine see 14454 2,2'-Dipyridyl			
	4,4'-Bipyridine see 14455 4,4'-Dipyridyl			
35020	2,2'-Biquinoline (Cuproin; 2,2'-Diquinolyl) $\text{CH:CHC}_6\text{H}_4\text{N:CC:NC}_6\text{H}_4\text{CH:CH}$ $\text{C}_{18}\text{H}_{12}\text{N}_2$ M_r 256.31 [119-91-5] puriss. p.a. >99% (NT); M.P. 192-195°; Ash <0.05% for colorimetric determination of Cu; Analyst 83, 299 (1958)			
			1 g 15. —	5 g 63. —
	2',7'-Bis(acetoxymercuri)fluorescein see 46980 Fluorescein mercuric acetate			
14460	N,N'-Bis-acryloyl-cystamine (2,2'-Bisacrylamino diethyl disulfide) $\text{CH}_2\text{:CHCONHCH}_2\text{CH}_2\text{SSCH}_2\text{CH}_2\text{NHCOCH:CH}_2$ $\text{C}_{10}\text{H}_{16}\text{N}_2\text{O}_2\text{S}_2$ M_r 260.38 [60984-57-8] puriss. ~99% (C, H, N-Analysis); M.P. 125-127°; store in refrigerator; Crosslinking agent for polyacrylamide gel electrophoresis that produces a gel which is soluble in presence of 2-mercaptoethanol under conditions which do not degrade RNA: J. N. Hanson, Anal. Biochem. 76, 37 (1976)			
			1 g 12. —	5 g 50. —
	N,N'-Bisacryloyl-1,2-dihydroxy-1,2-ethylene diamine see 37475 (1,2-Dihydroxyethylene)-bis-acrylamide			
14507	2,2-Bis(4-aminocyclohexyl)propane pract. mixture of isomers $[\text{CH}_2\text{CH}_2\text{CH}(\text{NH}_2)\text{CH}_2\text{CH}_2\text{CH}]_2\text{C}(\text{CH}_3)_2$ $\text{C}_{15}\text{H}_{30}\text{N}_2$ M_r 238.44 [3377-24-0]			
			250 g 35. —	
	Bis(2-aminoethyl)amine see 32305 Diethylenetriamine			
	1,3-Bis(aminomethyl)benzene see 33421 α,α'-Diamino-m-xylene			
11701	Bis(4-aminophenyl)-1,3,4-oxadiazole , BAO $\text{QC}(\text{C}_6\text{H}_4\text{NH}_2)\text{:NN:CC}_6\text{H}_4\text{NH}_2$ $\text{C}_{14}\text{H}_{12}\text{N}_4\text{O}$ M_r 252.28 [2425-95-8] Standard Fluka; M.P. 252-255°; Fluorescent stain for DNA: F. Ruch in "Introduction to quantitative cytochemistry-II" (ed. by Wied and Bahr), Academic Press, New York and London (1970), p. 431; X. Yataghanas et al., Exptl. Cell. Res. 56, 59 (1969)			
			1 g 10. —	5 g 42. — 25 g 175. —
	Bis(4-aminophenyl) sulfone see 32960 4,4'-Diaminodiphenyl sulfone			
14520	Bis(3-aminopropyl)amine (3,3'-Diaminodipropylamine; "Dipropylenetriamine"; 8/35 3,3'-Iminobispropylamine) $(\text{NH}_2\text{CH}_2\text{CH}_2\text{CH}_2)_2\text{NH}$ $\text{C}_8\text{H}_{17}\text{N}_3$ M_r 131.22 [56-18-8] purum >97% (GC); B.P. 105-106° (Lit.); d_4^{20} 0.928; n_D^{20} 1.482			
			1 lt ≈ 0.93 kg	250 ml 12. — 1 lt 40. —
14525	1,2-Bis(3-aminopropylamino)ethane 8/35 $\text{NH}_2\text{CH}_2\text{CH}_2\text{CH}_2\text{NHCH}_2\text{CH}_2\text{NHCH}_2\text{CH}_2\text{CH}_2\text{NH}_2$ $\text{C}_8\text{H}_{22}\text{N}_4$ M_r 174.29 [10563-26-5] pract. ~95% (NT); B.P. 137°; d_4^{20} 0.952; n_D^{20} 1.491			
			1 lt ≈ 0.95 kg	250 ml 12. — 1 lt 40. —
	N,N'-Bis(3-aminopropyl)-1,4-diaminobutane see 85590 Spermine			
	2,7-Bis(2-arsenophenylazo)chromotropic acid Disodium salt see 11090 Arsenazo III			
14530	Bisbenzimidazole H 33258 p.a.; Fluorochrome for Chromosome-staining			
			100 mg 25. —	
14533	Bisbenzimidazole H 33342 p.a.; Fluorochrome for Chromosome-staining			
			100 mg 28. —	
14540	2,5-Bis(4-biphenyl)-1,3,4-oxadiazole , BBOD puriss. for Scintillation; M.P. 235-238° $\text{QC}(\text{C}_6\text{H}_4\text{C}_6\text{H}_5)\text{:NN:CC}_6\text{H}_4\text{C}_6\text{H}_5$ $\text{C}_{26}\text{H}_{18}\text{N}_2\text{O}$ M_r 374.45 [2043-06-3]			
			1 g 28. —	
14550	2,5-Bis(4-biphenyl)oxazole , BBO (2,5-Dibiphenylyloxazole) $\text{QC}(\text{C}_6\text{H}_4\text{C}_6\text{H}_5)\text{:NCH:CC}_6\text{H}_4\text{C}_6\text{H}_5$ $\text{C}_{27}\text{H}_{18}\text{NO}$ M_r 373.46 [2083-09-2] puriss. for Scintillation; M.P. 236-240°			
			1 g 40. —	
12123	4,4'-Bis[bis(carboxymethyl)amino]-3,3'-biphenyldicarboxylic acid $(\text{HOCOCH}_2)_2\text{NC}_6\text{H}_3(\text{COOH})\text{C}_6\text{H}_3(\text{COOH})\text{N}(\text{CH}_2\text{COOH})_2$ $\text{C}_{22}\text{H}_{20}\text{N}_2\text{O}_{12}$ M_r 504.41 p.a. M.P. ~230° dec.; Metal Fluorescent Indicator for Ca in Complexometry			
			1 g 50. —	
	1,2-Bis[bis(cyanomethyl)amino]ethane see 03602 Ethylenediaminetetraacetonitrile			
	1,2-Bis(bromomethyl)benzene see 34420 α,α'-Dibromo-o-xylene			
	1,3-Bis(bromomethyl)benzene see 34430 α,α'-Dibromo-m-xylene			
	1,4-Bis(bromomethyl)benzene see 34440 α,α'-Dibromo-p-xylene			
14553	Bis(4-bromophenyl) ether purum >98% (Br); M.P. 56-58° (4-Bromophenyl ether) $\text{O}(\text{C}_6\text{H}_4\text{Br})_2$ $\text{C}_{12}\text{H}_8\text{Br}_2\text{O}$ M_r 328.02 [2050-47-7]			
			10 g 28. —	50 g 120. —

			sFr.	sFr.
	2,7-Bis(4-bromo-2-sulfophenylazo)chromotropic acid see 18375 Bromosulfonazo III			
	N,O-Bis(tert-butoxycarbonyl)hydroxylamine see 20426 tert-Butyl N-(tert-butoxycarbonyloxy)carbamate			
	Bis(2-butoxyethyl) ether see 32200 Diethylene glycol dibutyl ether			
	2,5-Bis(5-tert-butylbenzoxazol-2-yl)thiophene, BBOT C ₂₆ H ₂₆ N ₂ O ₂ S M _r 430.57 [7128-64-5]			
14555	purum >99% (S); M.P. 200-202°; Solute for liquid Scintillation; 1 g clearly soluble in 1 ml Chloroform		10 g 22. —	50 g 90. —
	Bis(2-carboxyethyl) disulfide see 43788 3,3'-Dithiodipropionic acid			
	Bis(2-carboxyethyl) sulfide see 88600 3,3'-Thiodipropionic acid			
	Bis(3-carboxy-4-nitrophenyl) disulfide see 43760 5,5'-Dithio-bis(2-nitrobenzoic acid) (3,3'-6)			
	Bis(2-carboxyphenyl) disulfide see 43761 2,2'-Dithiodibenzoic acid			
	Bis(3-carboxypropyl) disulfide see 43770 4,4'-Dithiodibutyric acid			
	1,2-Bis(2-chloroethoxy)ethane (Dichlorotriethylene dioxide; "Triglycoldichloride") ClCH ₂ CH ₂ OCH ₂ CH ₂ OCH ₂ CH ₂ Cl C ₆ H ₁₂ Cl ₂ O ₂ M _r 187.08 [112-26-5]			
14620	purum ~97% (GC); B.P. ₁₀ 118° (Lit.); d ₄ ²⁰ 1.193; n _D ²⁰ 1.461; H ₂ O ~0.5%	1 lt ≈ 1.19 kg	100 ml 25. —	500 ml 105. —
	Bis(2-chloroethyl) ether see 35660 2-Chloroethyl ether			
	2,7-Bis(5-chloro-2-hydroxy-3-sulfophenylazo)chromotropic acid Tetrasodium salt see 86145 Sulfochlorophenol S			
	1,2-Bis(chloromethyl)benzene see 36570 α,α'-Dichloro-o-xylene			
	1,3-Bis(chloromethyl)benzene see 36580 α,α'-Dichloro-m-xylene			
	1,4-Bis(chloromethyl)benzene see 36586 α,α'-Dichloro-p-xylene			
	2,2-Bis(chloromethyl)-1,3-propanediol (Pentaerythritoldichlorohydrin) (HOCH ₂) ₂ C(CH ₂ Cl) ₂ C ₅ H ₁₀ Cl ₂ O ₂ M _r 173.04 [2209-86-1]			
14655	pract. >97% (Cl); M.P. 74-78°; H ₂ O ~2%		50 g 40. —	
	1,3-Bis(chloromethyl)tetramethyldisilazane 3/4; 93° [ClCH ₂ (CH ₃) ₂ Si] ₂ NH C ₆ H ₁₇ Cl ₂ NSi ₂ M _r 230.29 [2362-10-9]			
14660	purum >98% (GC); d ₄ ²⁰ 1.049; n _D ²⁰ 1.467	1 lt ≈ 1.05 kg	5 ml 21. —	
	Bis(4-chlorophenyl) diselenide (4-Chlorophenyl diselenide; 4,4'-Dichlorodiphenyl diselenide) 6.1/81g ClC ₆ H ₄ SeSeC ₆ H ₄ Cl C ₁₂ H ₈ Cl ₂ Se ₂ M _r 381.02 [20541-49-5]			
14665	purum >98% (GC); M.P. 86-88°; Reagent for the preparation of selenides by undeophilic displacement: K. B. Sharpless, M.W. Young, J. Org. Chem. 40, 947 (1975); Review: D. L. J. Clive, Tetrahedron 34, 1049 (1978)		10 g 20. —	50 g 85. —
	Bis(4-chlorophenyl) sulfone see 35800 4-Chlorophenyl sulfone			
	1,1-Bis(4-chlorophenyl)-2,2,2-trichloroethane, DDT [(4,4'-Dichlorodiphenyl)trichloroethane] 6.1/82b (ClC ₆ H ₄) ₂ CHCCl ₃ C ₁₄ H ₉ Cl ₅ M _r 354.49 [50-29-3]			
14685	purum >98% (HPLC); M.P. 105-108°		100 g 15. —	500 g 63. —
14686	techn. ~85% (HPLC); M.P. 90-95°		1 kg 20. —	5 kg 85. —
	2,7-Bis(4-chloro-2-phosphonophenylazo)chromotropic acid see 26049 Chlorophosphonazo III			
	Bis(2-cyanoethyl) ether see 75962 3,3'-Oxydipropionitrile			
	Bis(cyanomethyl)amine see 56780 Iminodiacetonitrile			
	1,2-Bis(cyanomethyl)benzene see 95750 o-Xylylenedicyanide			
	Bis(cyclohexanone)oxaldihydrazone (Cuprizon, Oxalic acidbis[cyclohexylidenehydrazide]) C ₆ H ₁₀ :NNHCOCONHN:C ₆ H ₁₀ C ₁₄ H ₂₂ N ₄ O ₂ M _r 278.36 [370-81-0]			
14690	puriss. p.a. >99% (N); M.P. 209-212°; Ash <0.05%; For spectrophotometric determination Cu(II); Anal. Chim. Acta 16, 268 (1952)		25 g 16. —	100 g 55. —
14695	Bis(2-cyclopenten-1-yl) ether purum (2-Cyclopenten-1-yl-ether) 3/4; >55° O(CHCH:CHCH ₂ CH ₂) ₂ C ₁₀ H ₁₄ O M _r 150.22	1 lt ≈ 0.97 kg	250 ml 24. —	
	1,2-Bis(dibromomethyl)benzene see 86830 α,α,α',α'-Tetrabromo-o-xylene			
	1,3-Bis(dibromomethyl)benzene see 86840 α,α,α',α'-Tetrabromo-m-xylene			
	3,3'-Bis(N,N-di(carboxymethyl)aminomethyl)thymolphthalein see 89365 Thymolphthalexon			

		sFr.	sFr.
	1,2-Bis(diethylamino)ethane see 86590 N,N,N',N'-Tetraethylenediamine		
	Bis(diethylthiocarbamoyl) disulfide see 86720 Tetraethylthiuram disulfide		
	Bis(3,4-dihydroxyphenylazo)-4,4'-stilbene-2,2'-disulfonic acid Diammonium salt (HO) ₂ C ₆ H ₃ N:NC ₆ H ₃ (SO ₃ NH ₄)CH:CHC ₆ H ₃ (SO ₃ NH ₄)N:NC ₆ H ₃ (OH) ₂ C ₂₆ H ₂₆ N ₆ O ₁₀ S ₂ M _r 646.66 [1571-36-4]		
14731	p.a. colorimetric reagent for Al, B, F, Ga, Ge, In, Mo, rare earths, Sn, W and Y	1 g 20. —	5 g 85. —
	Bis(dimethylamino)acetonitrile see 87843 Tetramethylformamidine cyanide		
	4,4'-Bis(dimethylamino)benzhydrol see 14760 4,4'-Bis(dimethylamino)diphenyl carbinol		
	4,4'-Bis(dimethylamino)benzophenone see 69770 Michlers Ketone		
	1,3-Bis(dimethylamino)butane see 14740 N,N,N',N'-Tetramethyl-1,3-butanediamine		
	1,4-Bis(dimethylamino)butane see 14750 N,N,N',N'-Tetramethyl-1,4-butanediamine		
	4,4'-Bis(dimethylamino)diphenyl carbinol [4,4'-Bis(dimethylamino)benzhydrol] (CH ₃) ₂ NC ₆ H ₄ CH(OH)C ₆ H ₄ N(CH ₃) ₂ C ₁₇ H ₂₂ N ₂ O M _r 270.38 [119-58-4]		
14760	puriss. biochim. M.P. 103-104°; a highly sensitive reagent for the quantitative determination of sulfhydryl residues in biological material: B. A. Humphries, J. M. Harrison, J. Biol. Chem. 249, 3574 (1974); M. S. Rohrbach et al., Anal. Biochem. 52, 127 (1973)	1 g 9. —	5 g 32. —
	1,2-Bis(dimethylamino)ethane see 87690 N,N,N',N'-Tetramethylenediamine		
	Bis(dimethylamino)methane see 14790 N,N,N',N'-Tetramethyldiaminomethane		
	Bis(dimethylamino)methyl methyl sulfate see 87845 Tetramethylformamidine methylsulfate		
	1,8-Bis(dimethylamino)naphthalene see 14795 N,N,N',N'-Tetramethyl-1,8-naphthalenediamine		
	1,3-Bis(dimethylamino)propane see 14800 N,N,N',N'-Tetramethyl-1,3-propanediamine		
	1,1-Bis(3,4-dimethylphenyl)ethane (CH ₃) ₂ C ₆ H ₃ CH(CH ₃)C ₆ H ₃ (CH ₃) ₂ C ₁₈ H ₂₂ M _r 238.38 [1742-14-9]		
14808	pract. >90%(GC); d ₄ ²⁰ 0.974; n _D ²⁰ 1.564	1 lt ≈ 0.97 kg	1 lt 25. —
	Bis(dimethylthiocarbamoyl) disulfide see 87940 Tetramethylthiuram disulfide		
	Bis(2-ethoxyethyl) ether see 32190 Diethylene glycol diethyl ether		
	1,2-Bis(ethylamino)ethane see 31710 N,N'-Diethylethylenediamine (sym.)		
	1,3-Bis(ethylamino)propane (sym.) (N,N'-Diethyl-1,3-propanediamine) 3/3; 47° C ₂ H ₅ NH(CH ₂) ₃ NHC ₂ H ₅ C ₇ H ₁₆ N ₂ M _r 130.23 [104-78-9]		
14481	purum ~97%(GC); d ₄ ²⁰ 0.819; n _D ²⁰ 1.437	1 lt ≈ 0.82 kg	10 ml 28. — 50 ml 120. —
	Bis(2-ethylhexyl) adipate C ₂₂ H ₄₂ O ₄ M _r 370.58 [103-23-1]		
02140	pract. >90%(GC); B.P. ₂ 175° (Lit.); d ₄ ²⁰ 0.93; n _D ²⁰ 1.447	1 lt ≈ 0.82 kg	1 lt 12. —
	Bis(2-ethylhexyl)amine ("Diisooctylamine") 3/3; 46° [CH ₃ (CH ₂) ₃ CH(C ₂ H ₅)CH ₂] ₂ NH C ₁₆ H ₃₅ N M _r 241.46 [106-20-7]		
14490	purum >98%(GC); B.P. ₂₀ 160° (Lit.); d ₄ ²⁰ 0.804; n _D ²⁰ 1.443	1 lt ≈ 0.80 kg	100 ml 10. — 500 ml 42. —
	Bis(2-ethylhexyl) phthalate ("Dioctyl"-phthalate) C ₆ H ₄ [COOCH ₂ CH(C ₂ H ₅)(CH ₂) ₃ CH ₃] ₂ C ₂₄ H ₃₈ O ₄ M _r 390.57 [117-81-7]		
80032	pract. >99%(GC); d ₄ ²⁰ 0.985; n _D ²⁰ 1.486	1 lt ≈ 0.99 kg	1 lt 14. — 2.5 lt 31. —
	Bis(2-ethylhexyl) phosphate [CH ₃ (CH ₂) ₃ CH(C ₂ H ₅)CH ₂ O] ₂ POOH C ₁₆ H ₃₅ O ₄ P M _r 322.43 [298-07-7]		
14500	pract. d ₄ ²⁰ 1.026; n _D ²⁰ 1.44; contains some mono-2-Ethylhexylphosphoric acid	1 lt ≈ 1.03 kg	250 ml 11. — 1 lt 38. —
	Bis(2-ethylhexyl) sebacate ("Dioctyl" sebacate) CH ₃ (CH ₂) ₃ CH(C ₂ H ₅)CH ₂ OCO(CH ₂) ₈ COOCH ₂ CH(C ₂ H ₅)(CH ₂) ₃ CH ₃ C ₂₈ H ₅₀ O ₄ M _r 426.69 [122-62-3]		
84820	techn. ~70-80%(GC); B.P. 190-200°; d ₄ ²⁰ 0.916; n _D ²⁰ 1.451	1 lt ≈ 0.92 kg	250 ml 16. — 1 lt 55. —
	Bis(2-ethylhexyl) sulfosuccinate Sodium salt (Dioctyl sulfosuccinate Sodium salt) CH ₃ (CH ₂) ₃ CH(C ₂ H ₅)CH ₂ OCOCH ₂ CH(SO ₃ Na)COOCH ₂ CH(C ₂ H ₅)(CH ₂) ₃ CH ₃ C ₂₀ H ₃₇ NaO ₇ S M _r 444.57 [577-11-7]		
86140	purum >98%(T)	100 g 7. —	500 g 16. —

			sFr.	sFr.
	Bis(4-fluoro-3-nitrophenyl) sulfone (4,4'-Difluoro-3,3'-dinitrodiphenyl sulfone; 8/12 4-Fluoro-3-nitrophenyl sulfone) (NO ₂ C ₆ H ₃ F) ₂ SO ₂ C ₁₂ H ₆ F ₂ N ₂ O ₆ S M _r 344.25 [312-30-1]			
14825	puriss. biochim. ~99%(N); M.P. 191-192°; Bifunctional reagent for investigating the fading of polypeptide chains: F. Wold in <i>Methods in Enzymology</i> 11, 617 (1967); crosslinking reagent via amino and phenolic hydroxy groups: P. Cuatrecasas, S. Fuchs and C. B. Anfinsen, <i>J. Biol. Chem.</i> 244, 406 (1969); H. Fasold et al., <i>Angew. Chem.</i> 83, 875 (1971)		5 g 18. —	25 g 75
	1,4-Bis(2-hydroxyethoxy)-2-butyne (2-Butyne-1,4-diyl-bis-2-hydroxyethyl ether) HOCH ₂ CH ₂ OCH ₂ C≡CCH ₂ OCH ₂ CH ₂ OH C ₈ H ₁₄ O ₄ M _r 174.20 [1606-85-5]			
14850	techn. d ₄ ²⁰ 1.145; n _D ²⁰ 1.485	1 lt ≈ 1.15 kg	100 ml 12. —	500 ml 50. —
	Bis[2-(2-hydroxyethoxy)ethyl] ether see 86660 Tetraethylene glycol			
	Bis(2-hydroxyethyl)amine see 31590 Diethanolamine			
	N,N-Bis(2-hydroxyethyl)-2-aminoethanesulfonic acid, BES (HOCH ₂ CH ₂) ₂ NCH ₂ CH ₂ SO ₃ H C ₆ H ₁₅ NO ₅ S M _r 213.26 [10191-18-1]			
14855	puriss. p.a. >99%(T); M.P. 150-155°; pK at 20° 7.15; 1 g clearly soluble in 10 ml H ₂ O; Ash <0.1%; useful pH-range 6.6-7.6; biological buffer: N. E. Good et al., <i>Biochemistry</i> 5, 467 (1966)		10 g 10. —	50 g 42. —
	N,N-Bis(2-hydroxyethyl)aniline see 78370 N-Phenyldiethanolamine			
	N,N-Bis(2-hydroxyethyl)-1,3-diaminopropane see 14870 N-(3-Aminopropyl)diethanolamine			
	Bis(2-hydroxyethyl) ether see 32160 Diethylene glycol			
	N,N'-Bis(2-hydroxyethyl)ethylenediamine [2,2'-(Ethylenediimino)diethanol] 8/35 HOCH ₂ CH ₂ NHCH ₂ CH ₂ NHCH ₂ CH ₂ OH C ₆ H ₁₆ N ₂ O ₂ M _r 148.21 [4439-20-7]			
14851	pract. ~95%(NT); M.P. 90-95°		10 g 20. —	50 g 85. —
	N,N-Bis(2-hydroxyethyl)glycine, BICINE (HOCH ₂ CH ₂) ₂ NCH ₂ COOH C ₆ H ₁₃ NO ₄ M _r 163.18 [150-25-4]			
14872	puriss. p.a. >99%(NT); M.P. 191-194° dec.; pK at 20° 8.35; useful pH- range 7.8-8.8; biological buffer: N. E. Good et al., <i>Biochemistry</i> 5, 467 (1966)		25 g 8. —	100 g 22. —
	Bis(2-hydroxyethyl)imino-tris(hydroxymethyl)methane, BIS-TRIS [(2,2-Bis-hydroxymethyl)- 2,2',2''-nitrilotriethanol] (HOCH ₂ CH ₂) ₂ NC(CH ₂ OH) ₃ C ₈ H ₁₉ NO ₅ M _r 209.24 [6976-37-0]			
14880	purum >97%(NT); M.P. 98-100°; H ₂ O <1%		25 g 17. —	100 g 60. —
	N,N-Bis(2-hydroxyethyl)methylamine see 66610 N-Methyldiethanolamine			
	N,N-Bis(2-hydroxyethyl)-1,3-propanediamine see 14870 N-(3-Aminopropyl)diethanolamine			
	Bis(2-hydroxyethyl) sulfide see 88559 Thiodiethylene glycol			
	N,N-Bis(2-hydroxyethyl)-p-toluidine [N-(p-Tolyl)diethanolamine] CH ₃ C ₆ H ₄ N(CH ₂ CH ₂ OH) ₂ C ₁₁ H ₁₇ NO ₂ M _r 195.26 [3077-12-1]			
14889	pract. >97%(NT); M.P. 50-53°		100 g 15. —	500 g 63. —
	N,N-Bis(2-hydroxyethyl)trimethylenediamine see 14870 N-(3-Aminopropyl)diethanolamine			
	1,4-Bis(hydroxymethyl)cyclohexane (cis + trans) (1,4-Cyclohexanedimethanol) HOCH ₂ CHCH ₂ CH ₂ CH(CH ₂ OH)CH ₂ CH ₂ C ₈ H ₁₆ O ₂ M _r 144.22 [105-08-8]			
14910	techn. 80-85%(GC); M.P. 43-45°		250 g 23. —	
	3,3-Bis(hydroxymethyl)heptane see 03240 2-Butyl-2-ethyl-1,3-propanediol			
	2,2-Bis(hydroxymethyl)-2,2',2''-nitrilotriethanol see 14880 Bis(2-hydroxyethyl)imino tris(hydroxymethyl)methan			
	2,2-Bis(hydroxymethyl)pentane see 68960 2-Methyl-2-propyl-1,3-propanediol			
	2,2-Bis(hydroxymethyl)-1,3-propanediol see 76640 Pentaerythritol			
	Bis(6-hydroxy-2-naphthyl) disulfide see 37680 6-Hydroxy-2-naphthyl disulfide			
	2,7-Bis(2-hydroxy-5-nitrophenylazo)chromotropic acid Pentasodium salt see 73395 Nitrohydroxyazo III			
	2,2-Bis(4-hydroxyphenyl)propane see 14939 4,4'-Isopropylidenediphenol			
	Bis(4-hydroxyphenyl) sulfide see 14942 4-Hydroxyphenyl sulfide			
	Bis(4-hydroxyphenyl) sulfone see 14945 4-Hydroxyphenyl sulfone			

			sFr.	sFr.
	4,4-Bis(4-hydroxyphenyl)-n-valeric acid ("Diphenolic acid")			
	<chem>CH3C(C6H4OH)2CH2CH2COOH</chem> $C_{17}H_{18}O_4$ M_r 286.33 [126-00-1]			
14950	pract. ~95%(T); M.P. 171.5-173.5°		250 g 13. —	1 kg 45. —
	Bis(2-hydroxypropyl)amine (Diisopropanolamine)			
	<chem>NH[CH2CH(OH)CH3]2</chem> $C_6H_{16}NO_2$ M_r 133.19 [110-97-4]			
14960	purum >98%(NT); M.P. 43-46°; H ₂ O <2%		250 g 7. —	1 kg 20. —
	Bis(2-hydroxypropyl) ether see 43560 Dipropylene glycol			
	Bismarck Brown Y (G) [C.I. Nr. 21000; Sch. Nr. 311] (Vesuvine)			
	2,4-(NH ₂) ₂ C ₆ H ₃ N:NC ₆ H ₄ -3-N:NC ₆ H ₃ -2,4-(NH ₂) ₂ .2HCl $C_{18}H_{18}N_8.2HCl$			
	M_r 419.32 [10114-58-6]			
14990	Standard Fluka for Microscopy (Bact., Hist., Vit.)		100 g 12. —	500 g 50. —
	Bismarck Brown R [C.I. Nr. 21010; Sch. Nr. 318]			
	1-CH ₃ C ₆ H ₃ -2,4-(N:NC ₆ H ₂ -2,4-(NH ₂) ₂ -5-CH ₃) ₂ .2HCl $C_{21}H_{24}N_8.2HCl$ M_r 461.40			
	[1052-38-6]			
15000	Standard Fluka for Microscopy (Bact., Hist.)		100 g 12. —	500 g 50. —
	Bis(2-mercaptoethyl) ether see 15001 2-Mercaptoethyl ether			
	1,2-Bis(mercaptomethyl)-4,5-dimethylbenzene see 40155 1,2-Dimethyl-4,5-bis(mercaptomethyl)benzene			
	1,2-Bis(2-methoxyethoxy)ethane see 90420 Triethylene glycol dimethyl ether			
	Bis[2-(2-methoxyethoxy)ethyl] ether see 86690 Tetraethylene glycol dimethyl ether			
	Bis(2-methoxyethyl) ether see 32210 Diethylene glycol dimethyl ether			
	Bis(2-methoxyethyl)amine			
	8/35 <chem>(CH3OCH2CH2)2NH</chem> $C_6H_{15}NO_2$ M_r 133.19 [111-95-5]			
15010	purum >99%(GC); B.P. 170-174° (Lit.); d_4^{20} 0.910; n_D^{20} 1.420		1 lt ≈ 0.91 kg	250 ml 40. —
	Bis(2-methoxyethyl) phthalate see 80050 Dimethylglycol phthalate			
	Bis(4-methoxyphenyl)carbinol see 38645 4,4'-Dimethoxybenzhydrol			
	1,2-Bis(methylamino)ethane see 38920 N,N'-Dimethylethylenediamine			
	1,6-Bis(methylamino)hexane see 15031 N,N'-Dimethyl-1,6-hexanediamine			
	1,4-Bis[2-(4-methyl-5-phenyl)oxazolyl]benzene (Dimethyl-POPOP)			
	<chem>QC(C6H5):C(CH3)N:Cc6h4C:NC(CH3):C(C6H5)Q</chem> $C_{26}H_{20}N_2O_2$ M_r 392.46			
	[3073-87-8]			
15080	puriss. for Scintillation; >99%(UV); M.P. 234-235°		1 g 7. —	5 g 20. —
	Bis(3-methylpiperidino)methane [1,1'-Methylenebis(3-methylpiperidine)]			
	3/4 <chem>CH2CH(CH3)CH2CH2CH2NCH2NCH2CH2CH2CH(CH3)CH2</chem> $C_{13}H_{26}N_2$ M_r 210.30			
15085	pract. B.P. 258-262°; d_4^{20} 0.891; n_D^{20} 1.473		1 lt ≈ 0.89 kg	100 ml 15. — 500 ml 63. —
15090	1,4-Bis(2-methylstyryl)benzene puriss. M.P. 180-182° (Bis-MSB)		5 g 32. —	25 g 135. —
	<chem>CH3C6H4CH:CHC6H4CH:CHC6H4CH3</chem> $C_{24}H_{22}$ M_r 310.44 [13280-61-0]			
	2,7-Bis(4-methyl-2-sulfophenylazo)chromotropic acid see 41635 Dimethylsulfonazo III			
	Bis-methylthio methane see 47653 Formaldehyde dimethylmercaptal			
	Bis-MSB see 15090 1,4-Bis(2-methylstyryl)benzene			
	Bismuthiol I (2,5-Dimercapto-1,3,4-thiadiazole; 1,3,4-Thiadiazole-2,5-dithiol)			
	<chem>SC(SH):NN:CSH</chem> $C_2H_2N_2S_3$ M_r 150.24 [1072-71-5]			
15100	p.a. M.P. 167-168°; Determination: Bi; Detection: Bi, Cu, Pb, Sb		10 g 9. —	50 g 32. —
	Bismuthiol II [5-Mercapto-3-phenyl-1,3,4-thiadiazole-2(3H)-thione Potassium salt]			
	<chem>SC(SK):NN(C6H5)CS</chem> $C_8H_5KN_2S_3$ M_r 264.44 [17654-88-5]			
15110	p.a. 90-95%(NT); M.P. 242-246° dec.; for determination of Bi		10 g 9. —	50 g 34. —
	Bismuth			
	Bi A_r 209.00 [7440-69-9]			
95370	puriss. 99.9995%; zone refined in sticks and pieces Ag <1 ppm; Cu <1 ppm; Pb <0.5 ppm; other heavy metals not detectable; Ca Traces		25 g 24. —	100 g 90. —
95372	puriss. >99.999%; granular		25 g 14. —	100 g 50. —
95373	purum cryst. 99.98%		25 g 9. —	100 g 30. —

sFr.

sFr.

Bismut Ion Standard Solution FLUKA

95375 1.000 g Wismut/Liter 20°C; prepared from BiO(NO₃);
pH 0.8 adjusted with HNO₃ 1 lt ≈ 1.00 kg 500 ml 18. —

95376 **Bismuth(III) carbonate basic** purum p.a. Ph. Eur.
(BiO)₂CO₃ · ½H₂O Bi₂CO₆ · ½H₂O M_r 518.88 [5892-10-4]

Fluka-Guarantee:

Assay (as Bi)	80-82.5%	Lead (Pb)	<0.005%
Chloride (Cl)	<0.005%	Iron (Fe)	<0.005%
Sulfate (SO ₄)	<0.005%	Zinc (Zn)	<0.005%
Copper (Cu)	<0.005%	Calcium (Ca)	<0.05 %



95377 **Bismuth(III) chloride** purum p.a.
Cl₃Bi BiCl₃ M_r 315.34 [7787-60-2] 100 g 30. —

Fluka-Guarantee:

Assay	>98.0 %	Iron (Fe)	<0.005%
Sulfate (SO ₄)	<0.005%	Zinc (Zn)	<0.005%
Copper (Cu)	<0.005%	Calcium (Ca)	<0.005%
Lead (Pb)	<0.005%		



95382 **Bismuth(III) gallate basic** pract. 250 g 23. —

95378 **Bismuth(III) nitrate cryst.** purum p.a.
5.1/7 Bi(NO₃)₃ · 5H₂O BiN₃O₉ · 5H₂O M_r 485.07 [10361-44-1] 250 g 14. — 1 kg 50. —

Fluka-Guarantee:

Assay	>98.0 %	Lead (Pb)	<0.005%
Chloride (Cl)	<0.005%	Iron (Fe)	<0.005%
Sulfate (SO ₄)	<0.005%	Zinc (Zn)	<0.005%
Copper (Cu)	<0.005%	Calcium (Ca)	<0.005%

**Bismuth(III) nitrate basic** (Bismuthoxy nitrate; Bismuthyl nitrate)5.1/7 BiO(NO₃) · H₂O BiNO₄ · H₂O M_r 305.00 [10361-46-3]

95379 purum p.a. DAB; Bismuth staining for light and electron microscopy: M. Locke and P. Huie, Tissue and Cell 9, 347-371 (1977); G. L. Brown and M. Locke, *ibid.* 10, 365-388 (1978) 100 g 10. — 500 g 37. —

95381 **Bismuth(III) oxide** purum; residue on ignition <0.2%
Bi₂O₃ M_r 465.96 [1304-76-3] 100 g 11. — 500 g 46. —

Bismuthoxy nitrate see 95379 Bismuth(III) nitrate basic

95386 **Bismuth(III) salicylate basic** purum 100 g 11. — 500 g 46. —

95374 **Bismuthyl(III) chloride** pract. 100 g 15. — 500 g 63. —
BiOCl BiClO M_r 260.43 [7787-59-9]

Bismuthyl nitrate see 95379 Bismuth(III) nitrate basic

15120 **N,N'-Bis(4-nitrophenyl)carbodiimide** purum M.P. 162-166°; store in refrigerator
NO₂C₆H₄N:C:NC₆H₄NO₂ C₁₃H₈N₄O₄ M_r 284.23 [51128-83-7] 5 g 24. — 25 g 100. —

2,7-Bis(4-nitro-2-sulfophenylazo)chromotropic acid Tetrasodium salt see 73995 Nitrosulfonazo III**"Bisphenol A"** see 14939 4,4'-Isopropylidenediphenol**Bis(m-phenoxyphenoxy-phenyl)ether** see 81336 Polyphenyl ether(6-rings)**1,4-Bis(5-phenyl-2-oxazolyl)benzene, POPOP**OC(C₆H₅):CHN:CC₆H₄C:NCH:C(C₆H₅)O C₂₄H₁₆N₂O₂ M_r 364.41 [1806-34-4]

15150 puriss. for Scintillation ~99%(UV); M.P. 244-246°; λ_{max} 358 nm;
log ε 4.72 5 g 15. — 25 g 63. — 100 g 200. —

1,2-Bis(pyridyl)ethylene see 43640 1,2-Di(4-pyridyl)ethylene

1,11-Bis(8-quinolyloxy)-3,6,9-trioxaundecane see 86670 Tetraethylene glycol
bis(8-quinolyloxy) ether

Bis[2-(succinimidooxycarbonyloxy)ethyl] sulfoneCOCH₂CH₂CONOCOCH₂CH₂SO₂CH₂CH₂OCOONCOCH₂CH₂COC₁₄H₁₆N₂O₁₂S M_r 436.35 [57683-72-4]

15160 purum >98%(C,H,N-Analysis); M.P. 160-163° dec.; Bifunctional
reagent for the reversible conjugation of proteins: G. I. Tresser et al., Hoppe
Seyler's Z. Physiol. Chem. 356, 1625 (1975); used with insulin (conjugation of A-
and B-chain): R. Obermeier, R. Geiger, Hoppe Seyler's Z. Physiol. Chem. 356, 1631
(1975)

5 g 50. —

				sFr.		sFr.
	1,5-Bis(succinimidooxycarbonyloxy)pentane <chem>COC(=O)CH2CH2CON(=O)C(=O)OCH2(CH2)3CH2OC(=O)N(=O)C(=O)CH2CH2CO</chem> $C_{15}H_{18}N_2O_{10}$ M_r 386.31 [57772-64-2]					
15163	purum >98% (C, H, N-Analysis); M.P. 145-147°; Bifunctional reagent for the reversible conjugation of proteins: G. I. Tesser et al., Hoppe Seyler's Z. Physiol. Chem. 356, 1625 (1975)					
				5 g	42. —	
	2,7-Bis-(4-sulfo-1-naphthylazo)-1,8-dihydroxynaphthalene-3,6-disulfonic acid Tetrasodium salt (Di-SNADNS) $C_{30}H_{18}N_4Na_4O_{14}S_4$ M_r 876.72					
43690	p.a. Indicator for complexometry; Chelatochrome-Indicator for Titration of F' with Th and Th with Oxalate					
				10 g	18. —	50 g 75. —
	2,7-Bis(2-sulfophenylazo)chromotropic acid see 86170 Sulfonazo III					
	N,N-Bis(4-tolylsulfonylmethyl)ethylamine [N,N-Bis(4-tolylsulfonylmethyl)aminoethan] <chem>CH3CH2N(CH2SO2C6H4CH3)2</chem> $C_{18}H_{23}NO_4S_2$ M_r 381.52 [4542-70-5]					
15171	purum M.P. 114-116°					
				10 g	18. —	50 g 75. —
	Bis(tributyltin) oxide (HBD; Hexabutyldistannoxane; "Tributyltinoxide") 6.1/81f <chem>(CH3CH2CH2CH2)3SnOSn(CH2CH2CH2CH3)3</chem> $C_{24}H_{54}OSn_2$ M_r 596.08					
15210	pract. d_4^{20} 1.164; n_D^{20} 1.486; store in refrigerator; Oxidizing reagent (in combination with bromine): Y. Ueno et al., Tetrahedron Lett. 2413 (1977); I. Kuwajima, M. Shimizu, ibid. 1277 (1978) (and references cited therein)					
			1 lt $\approx$ 1.16 kg	100 ml	18. —	500 ml 75. —
	1,4-Bis(trichlormethyl)benzene see 52170 $\alpha,\alpha,\alpha,\alpha',\alpha',\alpha'$ -Hexachloro-p-xylene					
	Bis(3,5,6-trichloro-2-hydroxyphenyl)methane see 66713 2,2'-Methylene bis(3,4,6-trichlorophenol)					
	Bistrifluoroacetamide, BTFA 8/21 <chem>(CF3CO)2NH</chem> $C_4HF_6NO_2$ M_r 209.05 [407-24-9]					
15225	purum M.P. 84-86°; "Reagent for Trifluoroacetylation of amino-, hydroxyl- and thiol-groups in GLC analysis under mild conditions; M. Donike, J. Chromatogr. 78, 273 (1969)					
				5 g	24. —	25 g 100. —
	3,5-Bis(trifluoromethyl)aniline (5-Amino- $\alpha,\alpha,\alpha,\alpha',\alpha',\alpha'$ -hexafluoro-m-xylene) 6.1/21 <chem>NH2C6H3(CF3)2</chem> $C_6H_5F_6N$ M_r 229.13 [328-74-5]					
15240	pract. >97% (GC); B.P. 75-76° (Lit.); d_4^{20} 1.478; n_D^{20} 1.435					
			1 lt $\approx$ 1.48 kg	25 ml	18. —	100 ml 65. —
	1,3-Bis(trifluoromethyl)benzene see 52520 $\alpha,\alpha,\alpha,\alpha',\alpha',\alpha'$ -Hexafluoro-m-xylene					
	Bis(3,5,5-trimethyl hexyl) phthalate ("Dinonyl"-phthalate) <chem>C6H4[COOCH2CH2CH(CH3)CH2C(CH3)3]2</chem> $C_{26}H_{42}O_4$ M_r 418.62 [28553-12-0]					
80072	pract. d_4^{20} 0.971; n_D^{20} 1.484					
			1 lt $\approx$ 0.97 kg	250 ml	10. —	1 lt 32. —
	N,O-Bis(trimethylsilyl)acetamide, BSA 3/3; 44° <chem>CH3C[O]NSi(CH3)3OSi(CH3)3</chem> $C_8H_{21}NOSi_2$ M_r 203.43 [10416-59-8]					
15241	purum B.P. 71-73° (Lit.); d_4^{20} 0.832; n_D^{20} 1.418					
15242	purum; Powerful silylating agent: C. F. Poole in "Handbook of Derivatives for Chromatography", K. Blau and G. S. King ed., Heyden & Sons, London, 152 (1977); B. E. Cooper, Chem. and Ind. 794 (1978)					
			1 lt $\approx$ 0.83 kg		Packed in 10 x 1 ml	50. —
	Bis(trimethylsilyl)acetylene 3/3; 32° <chem>(CH3)3SiC#CSi(CH3)3</chem> $C_8H_{18}Si_2$ M_r 170.40 [14630-40-1]					
15237	purum >99% (GC); M.P. 21-24°; B.P. 134-136°; d_4^{20} 0.762; n_D^{20} 1.427; Versatile synthetic reagent: K. P. C. Vollhardt, Acc. Chem. Res. 10, 1 (1977); E. W. Colvin, Chem. Soc. Rev. 7, 15 (1978)					
			1 lt $\approx$ 0.76 kg	10 ml	35. —	50 ml 145. —
	N,O-Bis(trimethyl)carbamate (BSC; Trimethylsilyl N-trimethylsilylcarbamate) <chem>(CH3)3SiNHCOOSi(CH3)3</chem> $C_7H_{19}NO_2Si_2$					
15236	purum >98% (T); M.P. 77-80°; very hygroscopic; Extremely suitable reagent for silylation of alcohols, phenols and carboxylic acids. The only byproducts are CO ₂ and NH ₃ : L. Birkhofer, P. Sommer, J. Organomet. Chem. 99, C1 (1975)					
				10 g	40. —	50 g 170. —
	S,S-Bis(trimethylsilyl)-1,2-ethanedithiol see 02380 1,2-Ethanedithiobis(trimethylsilane)					
	Bis(trimethylsilyl)formamide 3/3; 37° <chem>HC[O]NSi(CH3)3OSi(CH3)3</chem> $C_7H_{19}NOSi_2$ M_r 189.41					
15247	pract. d_4^{20} 0.885; n_D^{20} 1.436; for the silylation of alcohols, phenols, carboxylic acids, amines, amides and amino acids: W. Kantlehner et al., Chem. Ber. 105, 2264 (1972)					
			1 lt $\approx$ 0.88 kg	5 ml	15. —	25 ml 63. —

				sFr.	sFr.
15235	N,N-Bis(trimethylsilyl)methylamine (Heptamethyldisilazane) 3/3; 28° $\text{CH}_3\text{N}[\text{Si}(\text{CH}_3)_3]_2$ $\text{C}_7\text{H}_{21}\text{NSi}_2$ M_r 175.42 [920-68-3] pract. >95% (GC); B.P. 148-150°; d_4^{20} 0.799; n_D^{20} 1.421	1 lt $\approx$ 0.80 kg	10 ml 13. —	50 ml 55. —	
15250	Bis(trimethylsilyl)methylmercury 6.1/81f $(\text{CH}_3)_3\text{SiCH}_2\text{HgCH}_2\text{Si}(\text{CH}_3)_3$ $\text{C}_6\text{H}_{22}\text{HgSi}_2$ M_r 381.63 [53364-12-8] purum B.P. $_{0.35}$ 49-50° (Lit.); d_4^{20} 1.502; n_D^{20} 1.488		1 g 22. —	5 g 90. —	
15243	N,O-Bis(trimethylsilyl)trifluoroacetamide, BSTFA 3/3; 34° $\text{CF}_3\text{C}[\text{N}(\text{Si}(\text{CH}_3)_3)\text{O}(\text{Si}(\text{CH}_3)_3)]$ $\text{C}_8\text{H}_{18}\text{F}_3\text{NOSi}_2$ M_r 257.40 [21149-38-2] purum B.P. $_{27}$ 47° (Lit.); d_4^{20} 0.974; n_D^{20} 1.385; sensitive to air and moisture; store in refrigerator; Powerful silylating agent: C. F. Poole in "Handbook of Derivatives for Chromatography", K. Blau and G. S. King ed., Heyden and Sons, London, 152 (1977)	1 lt $\approx$ 0.97 kg	5 ml 12. —	25 ml 50. —	100 ml 160. —
15244	purum; store in refrigerator		1 lt $\approx$ 0.97 kg	Packed in 10 $\times$ 1 ml	50. —
15238	purum with 1% TMCS	1 lt $\approx$ 0.97 kg	5 ml 12. —	25 ml 50. —	100 ml 160. —
15239	purum with 1% TMCS		1 lt $\approx$ 0.97 kg	Packed in 10 $\times$ 1 ml	50. —
15248	Bis(trimethylsilyl)urea (BSU) $(\text{CH}_3)_3\text{SiNHCONHSi}(\text{CH}_3)_3$ $\text{C}_7\text{H}_{20}\text{N}_2\text{OSi}_2$ M_r 204.42 [18297-63-7] purum >98% (N); M.P. 212-216°; Silylating agent: B. E. Cooper, Chem. + Ind. 794 (1978)	10 g 7. —	50 g 11. —	250 46. —	
15251	Bis-(triphenylphosphine)-copper(I)-borohydride $[(\text{C}_6\text{H}_5)_3\text{P}]_2\text{CuBH}_4$ $\text{C}_{36}\text{H}_{34}\text{BCuP}_2$ M_r 602.93 [34010-85-0] purum >99% (Cu); M.P. 164° dec.; Air-stable reducing agent for converting carboxylic acid chlorides into aldehydes under mild conditions: T. N. Sorell, R. J. Spillane, Tetrahedron Lett. 2473 (1978); G. W. J. Fleet, C. J. Fuller, P. J. C. Harding, Tetrahedron Lett. 1437 (1978)		5 g 18. —	25 g 75. —	
15252	Bis-(triphenylphosphine)-iridium(III)-carbonyl chloride [Chlorocarbonyl-bis-(triphenylphosphine)-iridium(III); Iridium(III)-bis-(triphenylphosphine)-carbonyl chloride] $[(\text{C}_6\text{H}_5)_3\text{P}]_2\text{IrCl}(\text{CO})$ $\text{C}_{37}\text{H}_{30}\text{ClIrOP}_2$ M_r 780.25 [14871-41-1] purum $\sim$ 99% (C, H-Analysis)		500 mg 44. —		
15255	Bis-(triphenylphosphine)-nickel-dicarbonyl [Nickel-bis-(triphenylphosphine)-dicarbonyl] $[(\text{C}_6\text{H}_5)_3\text{P}]_2\text{Ni}(\text{CO})_2$ $\text{C}_{36}\text{H}_{30}\text{NiO}_2\text{P}_2$ M_r 639.32 [13007-90-4] purum $\sim$ 99% (C, H-Analysis)		5 g 29. —		
15245	Bis(triphenylphosphine)nickel(II) chloride $[(\text{C}_6\text{H}_5)_3\text{P}]_2\text{NiCl}_2$ $\text{C}_{36}\text{H}_{30}\text{Cl}_2\text{NiP}_2$ M_r 654.22 [14264-16-5] purum >98% (Cl); M.P. $\sim$ 225° dec.; "Activation of Grignard-Reagents by transition metal compounds"; Review: H. Felkin, G. Swierczewski, Tetrahedron 31, 2735 (1975)		5 g 29. —	25 g 120. —	
15253	Bis(triphenylphosphine)palladium(II) chloride $[(\text{C}_6\text{H}_5)_3\text{P}]_2\text{PdCl}_2$ $\text{C}_{36}\text{H}_{30}\text{Cl}_2\text{P}_2\text{Pd}$ M_r 701.89 [13965-03-2] purum $\sim$ 15% (Pd); Review: B. M. Trost, Tetrahedron 33, 2615 (1977)		1 g 22. —	5 g 90. —	
15254	Bis(triphenylphosphine)palladium(II) diacetate $[(\text{C}_6\text{H}_5)_3\text{P}]_2\text{Pd}(\text{CH}_3\text{COO})_2$ $\text{C}_{40}\text{H}_{38}\text{O}_4\text{P}_2\text{Pd}$ M_r 749.08 [14588-08-0] purum $\sim$ 14% (Pd); M.P. 135-137°; Review: B. M. Trost, Tetrahedron 33, 2615 (1977)		1 g 22. —	5 g 90. —	
15246	Bis(triphenylphosphine)rhodium(III) carbonyl chloride (Chlorocarbonyl-bis-(triphenylphosphine)rhodium; Rhodium bis[triphenylphosphine]carbonyl chloride) $[(\text{C}_6\text{H}_5)_3\text{P}]_2\text{RhCl}(\text{CO})$ $\text{C}_{37}\text{H}_{30}\text{ClOP}_2\text{Rh}$ M_r 690.96 [13938-94-8] pract. >97% (Cl); M.P. 224-227° dec.		1 g 50. —		
15258	Bis-(triphenylphosphine)-ruthenium(II)-dichlorodicarbonyl [Dichlorodicarbonyl-bis-(triphenylphosphine)-ruthenium(II); Ruthenium(II)-bis-(triphenylphosphine) dichlorodicarbonyl] $\text{C}_{36}\text{H}_{30}\text{Cl}_2\text{O}_2\text{P}_2\text{Ru}$ M_r 752.56 [14564-35-3] purum $\sim$ 99% (C, H-Analysis)		1 g 50. —		
15260	Bis(tripropyltin) oxide (Hexapropylstannoxane; "Tripropyltin oxide") 6.1/81f $(\text{CH}_3\text{CH}_2\text{CH}_2)_3\text{SnOSn}(\text{CH}_2\text{CH}_2\text{CH}_3)_3$ $\text{C}_{18}\text{H}_{42}\text{OSn}_2$ M_r 511.92 [1067-29-4] purum d_4^{20} 1.254; n_D^{20} 1.491; store in refrigerator	1 lt $\approx$ 1.25 kg	50 ml 60. —		

sFr.

sFr.

BIS-TRIS see 14880 Bis(2-hydroxyethyl)amino-tris(hydroxymethyl)methane

β,β' -Bistyryl see 42820 trans,trans-1,4-Diphenyl-1,3-butadiene

Biuret (Allophanic acid amide; Carbamoylurea)

$\text{NH}_2\text{CONHCONH}_2$ $\text{C}_2\text{H}_5\text{N}_3\text{O}_2$ M_r 103.09 [108-19-0]

15270 puriss. p.a. $\sim 99\%$ (N); M.P. $\sim 192^\circ$ dec.; $\text{H}_2\text{O} < 1\%$; Ash $< 0.05\%$

100 g 16. —

500 g 67. —

Blood Fractions, Cohn:

Fraction II see γ -Globulins

Fraction III see β -Globulins

Fraction IV see α -Globulins

Fraction V see Albumins

BMDMCS see 17615 (Bromomethyl)dimethyl chlorosilane

BNOA see 70660 2-Naphthoxy acetic acid

BOC... see also tert-Butoxycarbonyl...

BOC-S-acetaminomethyl-L-cysteine

$\text{CH}_3\text{CONHCH}_2\text{SCH}_2\text{CH}(\text{COOH})\text{NHCOOC}(\text{CH}_3)_3$ $\text{C}_{11}\text{H}_{20}\text{N}_2\text{O}_5\text{S}$ M_r 292.36 [19746-37-3]

15376 puriss. $\sim 98\%$ (T); M.P. $111-113^\circ$; $[\alpha]_{546}^{20} - 43.5 \pm 0.5^\circ$; $[\alpha]_D^{20} - 36.5 \pm 0.5^\circ$
(c = 1 in water)

1 g 28. —

5 g 120. —

BOC-L-alanine

$\text{CH}_3\text{CH}(\text{COOH})\text{NHCOOC}(\text{CH}_3)_3$ $\text{C}_8\text{H}_{15}\text{NO}_4$ M_r 189.21 [15761-38-3]

15380 puriss. CHR $> 99\%$ (T); M.P. $79-81^\circ$; $[\alpha]_{546}^{20} - 30 \pm 1^\circ$; $[\alpha]_D^{20} - 25 \pm 1^\circ$
(c = 2 in CH_3COOH)

5 g 29. —

25 g 120. —

100 g 320. —

15382 **BOC- β -alanine** puriss. $> 99\%$ (T); M.P. $76-77^\circ$

$(\text{CH}_3)_3\text{COCONHCH}_2\text{CH}_2\text{COOH}$ $\text{C}_8\text{H}_{15}\text{NO}_4$ M_r 189.21 [3303-84-2]

5 g 21. —

25 g 90. —

100 g 320. —

BOC-L-alanine hydroxysuccinimide ester

$\text{CH}_3\text{CH}(\text{COONCOCH}_2\text{CH}_2\text{CO})\text{NHCOOC}(\text{CH}_3)_3$ $\text{C}_{12}\text{H}_{18}\text{N}_2\text{O}_6$ M_r 286.29 [3392-05-0]

15385 puriss. CHR; M.P. $161-163^\circ$; $[\alpha]_{546}^{20} - 62 \pm 1^\circ$; $[\alpha]_D^{20} - 52 \pm 1^\circ$ (c = 2.5 in Dioxane);
store in refrigerator

1 g 15. —

5 g 63. —

BOC-L-alanine 4-nitrophenyl ester

$\text{CH}_3\text{CH}(\text{COOC}_6\text{H}_4\text{NO}_2)\text{NHCOOC}(\text{CH}_3)_3$ $\text{C}_{14}\text{H}_{18}\text{N}_2\text{O}_6$ M_r 310.31 [2483-49-0]

15384 puriss. CHR M.P. $81-82^\circ$; $[\alpha]_{546}^{20} - 78 \pm 1^\circ$; $[\alpha]_D^{20} - 52 \pm 1^\circ$ (c = 2 in Methanol);
Ash $< 0.05\%$; store in refrigerator; Substrate for elastase: L. Vissier and
G.R. Blout, Biochim. Biophys. Acta 269, 257 (1972); J.J. Buneaux et al.,
Ann. Biol. Clin. 35, 125 (1977)

1 g 15. —

5 g 63. —

N_α -BOC-L-arginine

$\text{HN}:\text{C}(\text{NH}_2)\text{NH}(\text{CH}_2)_3\text{CH}(\text{COOH})\text{NHCOOC}(\text{CH}_3)_3$ $\text{C}_{11}\text{H}_{22}\text{N}_4\text{O}_4$ M_r 274.32

[13726-76-6]

15374 puriss. CHR M.P. $117-119^\circ$; $[\alpha]_{546}^{20} - 8 \pm 0.5^\circ$; $[\alpha]_D^{20} - 7 \pm 0.5^\circ$ (c = 1 in Acetic acid)

5 g 37. —

25 g 155. —

BOC-L-asparagine

$\text{NH}_2\text{COCH}_2\text{CH}(\text{COOH})\text{NHCOOC}(\text{CH}_3)_3$ $\text{C}_9\text{H}_{16}\text{N}_2\text{O}_5$ M_r 232.24 [7536-55-2]

15381 puriss. CHR $> 99\%$ (T); M.P. $175-180^\circ$ dec.;
 $[\alpha]_{546}^{20} - 9 \pm 0.5^\circ$; $[\alpha]_D^{20} - 7.3 \pm 0.5^\circ$ (c = 2 in DMF)

5 g 29. —

25 g 120. —

100 g 320. —

BOC-L-aspartic acid 4-benzyl ester

$\text{C}_6\text{H}_5\text{CH}_2\text{OCOCH}_2\text{CH}(\text{COOH})\text{NHCOOC}(\text{CH}_3)_3$ $\text{C}_{16}\text{H}_{21}\text{NO}_6$ M_r 323.35 [7536-58-5]

15386 puriss. CHR; M.P. $100-103^\circ$; $[\alpha]_{546}^{20} - 23 \pm 1^\circ$; $[\alpha]_D^{20} - 19.5 \pm 1^\circ$ (c = 2 in DMF);
store in refrigerator

5 g 37. —

25 g 155. —

BOC-S-benzyl-L-cysteine

$\text{C}_6\text{H}_5\text{CH}_2\text{SCH}_2\text{CH}(\text{COOH})\text{NHCOOC}(\text{CH}_3)_3$ $\text{C}_{15}\text{H}_{21}\text{NO}_4\text{S}$ M_r 311.40 [5068-28-0]

15383 puriss. CHR $> 99\%$ (T); M.P. $86-88^\circ$; $[\alpha]_{546}^{20} - 53 \pm 1^\circ$ (c = 1 in Acetic acid)

5 g 34. —

25 g 145. —

100 g 400. —

BOC-S-benzyl-L-cysteine

$\text{C}_6\text{H}_5\text{CH}_2\text{SCH}_2\text{CH}(\text{COOH})\text{NHCOOC}(\text{CH}_3)_3$ $\text{C}_{15}\text{H}_{21}\text{NO}_4\text{S}$ M_r 311.40 [5068-28-0]

15383 puriss. CHR $> 99\%$ (T); M.P. $86-88^\circ$; $[\alpha]_{546}^{20} - 53 \pm 1^\circ$
(c = 1 in Acetic acid)

5 g 34. —

25 g 145. —

100 g 400. —

BOC-S-benzyl-L-cysteine Dicyclohexylamine salt

$\text{C}_6\text{H}_5\text{CH}_2\text{SCH}_2\text{CH}(\text{COOH})\text{NHCOOC}(\text{CH}_3)_3 \cdot \text{C}_{12}\text{H}_{23}\text{N}$ $\text{C}_{15}\text{H}_{21}\text{NO}_4\text{S} \cdot \text{C}_{12}\text{H}_{23}\text{N}$

M_r 492.83 [39801-47-3]

15401 puriss. CHR M.P. $112-113^\circ$; $[\alpha]_{546}^{20} + 4.5 \pm 0.3^\circ$ (c = 2 in Chloroform)

1 g 12. —

5 g 50. —

sFr.

sFr.

15379	BOC-S-benzyl-L-cysteine 4-nitrophenyl ester $C_6H_5CH_2SCH_2CH(COOC_6H_4NO_2)NHCOOC(CH_3)_3$ $C_{21}H_{24}N_2O_6S$ M_r 432.50 [3560-17-6]			
	puriss. CHR M.P. 85-90°; $[\alpha]_{540}^{20} - 45 \pm 1^\circ$; $[\alpha]_D^{20} - 38 \pm 1^\circ$ (c = 1 in DMF); store in refrigerator	1 g	18.—	5 g 75.—
15388	BOC-N_(lim)-(1-benzylloxycarbonylamino-2,2,2-trifluoroethyl)-L-histidine $C_6H_5CH_2OCONHCH(CF_3)_3NCH:NCH:CCH_2CH[NHCOOC(CH_3)_3]COOH$ $C_{21}H_{25}F_3N_4O_6$ M_r 486.45 [7682-45-3]			
	puriss. CHR M.P. 99-101°; Ash <0.05%; store in refrigerator	1 g	22.—	5 g 90.—
15390	BOC-O-benzyl-L-serine $C_6H_5CH_2OCH_2CH(COOH)NHCOOC(CH_3)_3$ $C_{15}H_{21}NO_5$ M_r 295.34 [23680-31-1]			
	puriss. CHR >99%(T); M.P. 58-61°; $[\alpha]_{540}^{20} + 24.0 \pm 1^\circ$; $[\alpha]_D^{20} + 20 \pm 1^\circ$ (c = 2 in 80% Ethanol/water); Ash <0.05%	1 g	13.—	5 g 55.—
15400	BOC-O-benzyl-D-serine Dicyclohexylamine salt puriss. CHR $C_6H_5CH_2OCH_2CH(COOH)NHCOOC(CH_3)_3 \cdot C_{12}H_{23}N$ $C_{15}H_{21}NO_5 \cdot C_{12}H_{23}N$ M_r 476.66 [10342-02-6]			
		1 g	22.—	5 g 90.—
15405	BOC-O-benzyl-L-threonine $CH_3CH(OCH_2C_6H_5)CH(COOH)NHCOOC(CH_3)_3$ $C_{16}H_{23}NO_5$ M_r 309.36 [15260-10-3]			
	puriss. CHR >99%(T); M.P. 111-114°; $[\alpha]_{540}^{20} + 19 \pm 0.5^\circ$; $[\alpha]_D^{20} + 16.5 \pm 0.5^\circ$ (c = 1 in Methanol)	1 g	20.—	5 g 85.—
15410	BOC-O-benzyl-L-tyrosine $C_6H_5CH_2OC_6H_4CH_2CH(COOH)NHCOOC(CH_3)_3$ $C_{21}H_{25}NO_5$ M_r 371.44 [2130-96-3]			
	puriss. CHR; M.P. 110-112°; $[\alpha]_{540}^{20} + 33.5 \pm 0.5^\circ$; $[\alpha]_D^{20} + 27 \pm 1^\circ$ (c = 2 in Ethanol); store in refrigerator	5 g	37.—	25 g 155.—
15377	BOC-O-benzyl-L-tyrosine hydroxysuccinimide ester $C_6H_5CH_2OC_6H_4CH_2CH(COONCOCH_2CH_2CO)NHCOOC(CH_3)_3$ $C_{25}H_{28}N_2O_7$ M_r 468.51 [10068-67-4]			
	puriss. CHR M.P. 149-150°; store in refrigerator	1 g	20.—	5 g 85.—
15378	BOC-O-benzyl-L-tyrosine 4-nitrophenyl ester $C_6H_5CH_2OC_6H_4CH_2CH(COOC_6H_4NO_2)NHCOOC(CH_3)_3$ $C_{27}H_{28}N_2O_7$ M_r 492.53 [13512-59-9]			
	puriss. CHR M.P. 137-138°; $[\alpha]_{540}^{20} - 2.5 \pm 0.2^\circ$ (c = 1.5 in Dimethylformamide); store in refrigerator	1 g	20.—	5 g 85.—
15375	BOC-S-tert.-butylmercapto-L-cysteine puriss. CHR $(CH_3)_3CSSCH_2CH(COOH)NHCOOC(CH_3)_3$ $C_{12}H_{23}NO_4S_2$ M_r 309.45 [30044-61-2]			
		1 g	13.—	5 g 55.—
15387	N_α,N_α'-di-BOC-L-cystine $HOOCCH[NHCOOC(CH_3)_3]CH_2SSCH_2CH(COOH)NHCOOC(CH_3)_3$ $C_{16}H_{28}N_2O_8S_2$ M_r 440.54 [10389-65-8]			
	puriss. CHR; M.P. 140-145°; $[\alpha]_{540}^{20} - 138 \pm 0.5^\circ$; $[\alpha]_D^{20} - 116 \pm 0.5^\circ$ (c = 2 in Acetic acid); Ash <0.05%	5 g	37.—	25 g 155.— 100 g 500.—
15392	N-BOC-1,6-diamino-hexan hydrochloride $(CH_3)_3COCONH(CH_2)_6NH_2 \cdot HCl$ $C_{11}H_{24}N_2O_2 \cdot HCl$ M_r 252.79			
	M.P. 162-163°; Mono-N-acylated α,ω-diamine as a reagent for the introduction of a spacer moiety in affinity chromatography: H. Guilford, Chem. Soc. Rev. 2, 249 (1973)	1 g	15.—	5 g 63.—
15393	N-BOC-O-(2,6-dichlorobenzyl)-L-tyrosine $(CH_3)_3COCONHCH(COOH)CH_2C_6H_4OCH_2C_6H_3Cl_2$ $C_{21}H_{23}Cl_2NO_5$ M_r 404.33 [40298-71-3]			
	purum ~97%(T); M.P. 103-104°; $[\alpha]_{540}^{20} + 23 \pm 1^\circ$ (c = 2 in Ethanol); H ₂ O ~1%; store in refrigerator	1 g	15.—	5 g 63.—
15389	BOC-N_(lim)-2,4-dinitrophenyl-L-histidine $(NO_2)_2C_6H_3NCH:NCH:CCH_2CH(COOH)NHCOOC(CH_3)_3$ $C_{17}H_{19}N_5O_8$ M_r 421.37 [25024-53-7]			
	puriss. M.P. 95-96° dec.; $[\alpha]_{540}^{20} + 81 \pm 2^\circ$; $[\alpha]_D^{20} + 65 \pm 2^\circ$ (c = 1 in Ethyl acetate)	1 g	20.—	5 g 85.—

			sFr.	sFr.
	N_α-BOC-N_(lim)-formyl-L-tryptophan Dicyclohexylamine salt			
	$C_9H_8N(CHO)CH:CCH_2CH(COOH)NHCOOC(CH_3)_3 \cdot C_{12}H_{23}N \quad C_{17}H_{20}N_2O_5 \cdot C_{12}H_{23}N$			
	M _r 513.68 [40463-72-7]			
15407	puriss. CHR ~98% (NT); M.P. 158-160°; $[\alpha]_{546}^{20} + 44 \pm 1^\circ$; $[\alpha]_D^{20} + 36 \pm 1^\circ$ (c = 2 in Ethanol)		1 g 18. —	5 g 75. —
	BOC-L-glutamine			
	$NH_2COCH_2CH_2CH(COOH)NHCOOC(CH_3)_3 \quad C_{10}H_{16}N_2O_5 \quad M_r 246.26 \quad [13726-85-7]$			
15412	puriss. CHR >99% (T); $[\alpha]_{546}^{20} - 4.0 \pm 0.2^\circ$; $[\alpha]_D^{20} - 3.5 \pm 0.2^\circ$ (c = 2 in Ethanol)		5 g 37. —	25 g 155. — 100 g 500. —
	BOC-L-glutamic acid 5-benzyl ester Dicyclohexylamine salt			
	$C_6H_5CH_2OCOCH_2CH_2CH[NHCOOC(CH_3)_3]COOH \cdot C_{12}H_{23}N \quad C_{17}H_{23}NO_6 \cdot C_{12}H_{23}N \quad M_r 518.70 \quad [13574-84-0]$			
15419	puriss. CHR >99% (NT); M.P. 140-142; $[\alpha]_{546}^{20} + 15.5 \pm 0.5^\circ$; $[\alpha]_D^{20} + 13.0 \pm 0.5^\circ$ (c = 1 in Methanol)		1 g 13. —	5 g 55. —
15420	BOC-glycine puriss. CHR; ~99% (T); M.P. 87-88°; Ash <0.05% $(CH_3)_3COCONHCH_2COOH \quad C_7H_{13}NO_4 \quad M_r 175.19 \quad [4530-20-5]$		5 g 26. —	25 g 110. — 100 g 300. —
	BOC-glycine hydroxysuccinimide ester			
	$(CH_3)_3COCONHCH_2COONCOCH_2CH_2CO \quad C_{11}H_{16}N_2O_6 \quad M_r 272.26 \quad [3392-07-2]$			
15423	puriss. CHR M.P. 166-168°; store in refrigerator		1 g 14. —	5 g 60. —
	BOC-glycine 4-nitrophenyl ester			
	$(CH_3)_3COCONHCH_2COOC_6H_4NO_2 \quad C_{13}H_{16}N_2O_6 \quad M_r 296.28 \quad [3655-05-8]$			
15424	puriss. CHR M.P. 68-70°; Ash <0.05%; store in refrigerator		1 g 13. —	5 g 55. —
	N_α-BOC-L-histidine			
	$HNCH:NCH:CCH_2CH(COOH)NHCOOC(CH_3)_3 \quad C_{11}H_{17}N_3O_4 \quad M_r 255.27 \quad [17791-52-5]$			
15426	puriss. >99% (T); M.P. ~195° dec.; $[\alpha]_{546}^{20} + 31 \pm 1^\circ$; $[\alpha]_D^{20} + 26 \pm 1^\circ$ (c = 1 in Methanol)		1 g 28. —	5 g 120. —
	N_α,N_(lim)di-BOC-L-histidine Dicyclohexylamine salt			
	$C_{16}H_{25}N_3O_6 \cdot C_{12}H_{23}N \quad M_r 536.72 \quad [31687-58-8]$			
15427	puriss. M.P. ~160° dec.; $[\alpha]_{546}^{20} + 23 \pm 1^\circ$; $[\alpha]_D^{20} + 19 \pm 1^\circ$ (c = 2 in Chloroform)		5 g 37. —	25 g 155. —
	BOC-L-histidine hydrazide			
	$NHCH:NCH:CCH_2CH(CONHNH_2)NHCOOC(CH_3)_3 \quad C_{11}H_{19}N_5O_3 \quad M_r 269.31$ [42002-05-1]			
15430	puriss. CHR; M.P. 142-144°; $[\alpha]_{546}^{20} - 26 \pm 1^\circ$ (c = 2 in Pyridine); Ash <0.05%		1 g 19. —	5 g 60. —
	BOC-hydrazide see 19740 tert-Butyl carbazate			
	BOC-L-isoleucine			
	$CH_3CH_2CH(CH_3)CH(COOH)NHCOOC(CH_3)_3 \cdot \frac{1}{2}H_2O \quad C_{11}H_{21}NO_4 \cdot \frac{1}{2}H_2O$ M _r 240.30 [13139-16-7]			
15440	puriss. CHR ~99% (T); M.P. 66-69°; $[\alpha]_{546}^{20} + 3.5 \pm 0.5^\circ$; $[\alpha]_D^{20} + 2.7 \pm 0.5^\circ$ (c = 2 in Acetic acid)		5 g 29. —	25 g 120. — 100 g 320. —
	BOC-L-isoleucine hydroxysuccinimide ester			
	$CH_3CH_2CH(CH_3)CH(COONCOCH_2CH_2CO)NHCOOC(CH_3)_3 \quad C_{15}H_{24}N_2O_6$ M _r 328.37 [3392-08-3]			
15442	puriss. CHR; M.P. 103-108°; $[\alpha]_{546}^{20} - 34 \pm 2^\circ$ (c = 2 in Dioxane); store in refrigerator		1 g 16. —	5 g 67. —
	BOC-L-isoleucine 4-nitrophenyl ester			
	$CH_3CH_2CH(CH_3)CH(COONC_6H_4NO_2)NHCOOC(CH_3)_3 \quad C_{17}H_{24}N_2O_6$ M _r 352.39 [16948-38-2]			
15443	puriss. CHR; M.P. 65-66°; $[\alpha]_{546}^{20} - 39 \pm 1^\circ$ (c = 2 in DMF); store in refrigerator		1 g 14. —	5 g 60. —
	BOC-L-leucine			
	$(CH_3)_2CHCH_2CH(COOH)NHCOOC(CH_3)_3 \cdot H_2O \quad C_{11}H_{21}NO_4 \cdot H_2O$ M _r 249.31 [13139-15-6]			
15450	puriss. CHR ~99% (T); M.P. 85-87°; $[\alpha]_{546}^{20} - 29.0 \pm 0.5^\circ$; $[\alpha]_D^{20} - 25.0 \pm 0.5^\circ$ (c = 2 in Acetic acid); Ash <0.05%		5 g 29. —	25 g 120. — 100 g 320. —
	BOC-L-leucine hydroxysuccinimide ester			
	$(CH_3)_2CHCH_2CH(COONCOCH_2CH_2CO)NHCOOC(CH_3)_3 \quad C_{15}H_{24}N_2O_6$ M _r 328.37 [3392-09-4]			
15454	puriss. CHR M.P. 111-113°; $[\alpha]_{546}^{20} - 52 \pm 2^\circ$; $[\alpha]_D^{20} - 45 \pm 2^\circ$ (c = 2 in Dioxane); Ash <0.05%; store in refrigerator; Used for the quantitative determination of D- and L-amino acids: A. Mitchell et al., Anal. Chem. 50, 637 (1978)		1 g 14. —	5 g 60. —

		sFr.	sFr.
	BOC-L-leucine 4-nitrophenyl ester (CH ₃) ₂ CHCH ₂ CH(COOC ₆ H ₄ NO ₂)NHCOOC(CH ₃) ₃ C ₁₇ H ₂₄ N ₂ O ₆ M _r 352.39 [3350-19-4]		
15455	puriss. CHR; M.P. 92-94°; [α] ₅₄₀ ²⁰ -57.5±1° (c = 1 in DMF); store in refrigerator	1 g 14.—	5 g 60.—
	N_α-BOC-L-lysine NH ₂ (CH ₂) ₄ CH(COOH)NHCOOC(CH ₃) ₃ C ₁₁ H ₂₂ N ₂ O ₄ M _r 246.31 [13734-28-6]		
15456	puriss. CHR M.P. 200-201° dec.; [α] ₅₄₀ ²⁰ +5.6±0.2°; [α] _D ²⁰ +4.7±0.2° (c = 2 in water)	1 g 14.—	5 g 60.—
	N_α,N_ε-di-BOC-L-lysine Dicyclohexylamine salt (CH ₃) ₃ COCONH(CH ₂) ₄ CH(COOH)NHCOOC(CH ₃) ₃ ·C ₁₂ H ₂₃ N C ₁₆ H ₃₀ N ₂ O ₆ ·C ₁₂ H ₂₃ N M _r 527.75 [15098-69-8]		
15457	puriss. CHR; M.P. 137-139°; [α] ₅₄₀ ²⁰ +6.7±0.3° (c = 1.5 in DMF)	1 g 11.—	5 g 44.—
	N_α,N_ε-di-BOC-L-lysine 4-nitrophenyl ester (CH ₃) ₃ COCONH(CH ₂) ₄ CH(COOC ₆ H ₄ NO ₂)NHCOOC(CH ₃) ₃ C ₂₂ H ₃₃ N ₃ O ₆ M _r 467.52 [2592-19-0]		
15458	puriss. CHR M.P. 122-123°; store in refrigerator	1 g 14.—	5 g 60.—
	S-BOC-2-mercapto-4,6-dimethylpyrimidine [O-tert-Butyl S-(4,6-dimethyl-2-pyrimidinyl) thiocarbonate] N:C(CH ₃)CH:C(CH ₃)N:CSCCOOC(CH ₃) ₃ C ₁₁ H ₁₆ N ₂ O ₂ S M _r 240.33 [41480-28-2]		
15459	purum M.P. 50-52°; Reagent for the facile preparation of N-tert-butoxycarbonyl (BOC) amino acids: T. Nagasawa et al., Bull. Chem. Soc. Jap. 46, 1269 (1973)	5 g 16.—	25 g 67.—
	BOC-L-methionine CH ₃ SCH ₂ CH ₂ CH(COOH)NHCOOC(CH ₃) ₃ C ₁₀ H ₁₉ NO ₄ S M _r 249.32 [2488-15-5]		
15462	puriss. CHR cryst. >99% (NT); M.P. 47-50°; [α] ₅₄₀ ²⁰ -27.0±0.5°; [α] _D ²⁰ -23.0±0.5° (c = 1.3 in Methanol); store in refrigerator	5 g 34.—	25 g 145.— 100 g 400.—
	BOC-L-methionine Dicyclohexylamine salt CH ₃ SCH ₂ CH ₂ CH(COOH)NHCOOC(CH ₃) ₃ ·C ₁₂ H ₂₃ N C ₁₀ H ₁₉ NO ₄ S·C ₁₂ H ₂₃ N M _r 430.66 [22823-50-3]		
15460	puriss. CHR >99% (NT); M.P. 139-140°; [α] ₅₄₀ ²⁰ +21.0±0.5°; [α] _D ²⁰ +18.0±0.5° (c = 2 in Ethanol)	5 g 18.—	25 g 75.— 100 g 200.—
	BOC-L-methionine hydroxysuccinimide ester CH ₃ SCH ₂ CH ₂ CH(COONCOCH ₂ CH ₂ CO)NHCOOC(CH ₃) ₃ C ₁₄ H ₂₂ N ₂ O ₆ S M _r 346.40 [3845-64-5]		
15461	puriss. CHR M.P. 126-128°; [α] ₅₄₀ ²⁰ -27.0±0.5°; [α] _D ²⁰ -22.7±0.5° (c = 2 in Dioxane); Ash <0.05%; store in refrigerator	1 g 14.—	5 g 60.—
	BOC-S-(4-methoxybenzyl)-L-cysteine Dicyclohexylamine salt CH ₃ OC ₆ H ₄ CH ₂ SCH ₂ CH(COOH)NHCOOC(CH ₃) ₃ ·C ₁₂ H ₂₃ N C ₁₆ H ₂₃ NO ₅ S·C ₁₂ H ₂₃ N M _r 522.75 [31025-14-6]		
15463	puriss. M.P. 128-130°; [α] ₅₄₀ ²⁰ -13±2° (c = 1 in Pyridine)	1 g 16.—	5 g 67.—
	BOC-N_ω-nitro-L-arginine HN:C(NHNO ₂)NH(CH ₂) ₃ CH(COOH)NHCOOC(CH ₃) ₃ C ₁₁ H ₂₁ N ₅ O ₆ M _r 319.32 [2188-18-3]		
15470	puriss. CHR; containing ¾-1 mole Tetrahydrofuran; [α] ₅₄₀ ²⁰ -25.0±0.5° (c = 2 in Pyridine)	5 g 37.—	25 g 155.—
	(BOC)₂O FLUKA see 34659 Di-tert-butyl dicarbonate		
	2-(BOC-oxyimino)-2-phenylacetonitrile, (BOC-ON) (CH ₃) ₃ COCOON:C(C ₆ H ₅)CN C ₁₃ H ₁₄ N ₂ O ₃ M _r 246.27 [58632-95-4]		
15475	puriss. >99% (N); M.P. 86-88°; store in refrigerator; Highly reactive ready-to-use type reagent for the preparation of N-tert-butoxy carbonyl (BOC) amino acids: M. Itoh et al., Bull. Chem. Soc. Japan 50, 718 (1977)	10 g 15.—	50 g 63.—
	BOC-L-phenylalanine C ₆ H ₅ CH ₂ CH(COOH)NHCOOC(CH ₃) ₃ C ₁₄ H ₁₉ NO ₄ M _r 265.31 [13734-34-4]		
15480	puriss. CHR >99% (T); M.P. 85-87°; [α] ₅₄₀ ²⁰ +30±1°; [α] _D ²⁰ +25±1° (c = 1 in Ethanol)	5 g 29.—	25 g 120.— 100 g 320.—
	BOC-L-phenylalanine hydroxysuccinimide ester C ₆ H ₅ CH ₂ CH(COONCOCH ₂ CH ₂ CO)NHCOOC(CH ₃) ₃ C ₁₈ H ₂₂ N ₂ O ₆ M _r 362.38 [3674-06-4]		
15481	puriss. CHR; M.P. 150-152°; [α] ₅₄₀ ²⁰ -24.5±0.5°; [α] _D ²⁰ -21.0±0.5° (c = 2.5 in Dioxane); Ash <0.05%; store in refrigerator	1 g 22.—	5 g 90.—

		sFr.	sFr.
	BOC-L-phenylalanine 4-nitrophenyl ester $C_6H_5CH_2CH(COOC_6H_4NO_2)NHCOOC(CH_3)_3$ $C_{20}H_{22}N_2O_6$ M_r 386.41 [7535-56-0]		
15482	puriss. CHR; M.P. 127-128°; $[\alpha]_{546}^{20} - 25.5 \pm 0.5^\circ$; $[\alpha]_D^{20} - 21.5 \pm 0.5^\circ$ (c = 2 in DMF); store in refrigerator	1 g 20. —	5 g 85. —
	BOC-L-proline $(CH_3)_3COCON(CH_2)_3CHCOOH$ $C_{10}H_{17}NO_4$ M_r 215.25 [15761-39-4]		
15490	puriss. CHR; >99% (T); M.P. 133-135°; $[\alpha]_{546}^{20} - 72 \pm 2^\circ$; $[\alpha]_D^{20} - 61 \pm 2^\circ$ (c = 2 in Acetic acid); Ash <0.05%	5 g 29. —	25 g 120. — 100 g 320. —
	BOC-L-proline hydroxysuccinimide ester $(CH_3)_3COCON(CH_2)_3CHCOONCOCH_2CH_2CO$ $C_{14}H_{20}N_2O_6$ M_r 312.32 [3392-10-7]		
15491	puriss. CHR; M.P. 133-135°; $[\alpha]_{546}^{20} - 66 \pm 1^\circ$; $[\alpha]_D^{20} - 55 \pm 1^\circ$ (c = 2 in Dioxane); Ash <0.05%; store in refrigerator	1 g 14. —	5 g 60. —
	BOC-Protecting Group, Reagents to prepare N-BOC-amino acids: 15459 S-BOC-2-mercapto-4,6-dimethylpyrimidine 15475 2-(BOC-oxyimino)-2-phenylacetonitrile 20428 N-(tert-Butoxycarbonyloxy)phthalimide 20430 N-(tert-Butoxycarbonyloxy)succinimide 20433 1-(tert-Butoxycarbonyl)-1H-1,2,4-triazol 19740 tert-Butyl carbazate 20375 tert-Butyl-4-nitrophenyl carbonate 20528 tert-Butyl phenyl carbonate 19743 tert-Butyl 8-quinolyl carbonate 20660 tert-Butyl 2,4,5-trichlorophenyl carbonate 34660 Di-tert-butyl dicarbonate		
	BOC-L-serine $HOCH_2CH(COOH)NHCOOC(CH_3)_3$ $C_8H_{15}NO_5$ M_r 205.21 [3262-72-4]		
15500	puriss. CHR ~99% (T); $[\alpha]_{546}^{20} - 4 \pm 0.5^\circ$; $[\alpha]_D^{20} - 3 \pm 0.5^\circ$ (c = 2 in Acetic acid); Ash <0.05%; store in refrigerator	5 g 34. —	25 g 145. — 100 g 400. —
	BOC-L-threonine $CH_3CH(OH)CH(COOH)NHCOOC(CH_3)_3$ $C_9H_{17}NO_5$ M_r 219.24 [2592-18-9]		
15505	puriss. CHR ~99% (T); $[\alpha]_{546}^{20} - 9.5 \pm 0.5^\circ$; $[\alpha]_D^{20} - 8.5 \pm 0.5^\circ$ (c = 1 in Acetic acid)	5 g 34. —	25 g 145. — 100 g 400. —
	N$_{\alpha}$-BOC-N$_{\omega}$-tosyl-L-arginine $CH_3C_6H_4SO_2NHC(:NH)NH(CH_2)_3CH(COOH)NHCOOC(CH_3)_3$ $C_{18}H_{28}N_4O_6S$ M_r 428.51 [13836-37-8]		
15506	puriss. M.P. ~85-90° dec.; $[\alpha]_{546}^{20} - 3.9 \pm 0.2^\circ$; $[\alpha]_D^{20} - 3.0 \pm 0.2^\circ$ (c = 4 in DMF); Ash <0.05%	1 g 50. —	5 g 210. —
	BOC-N$_{(im)}$-tosyl-L-histidine Dicyclohexylamine salt $C_{18}H_{23}N_3O_6S \cdot C_{12}H_{23}N$ M_r 590.78 [35899-43-5]		
15507	puriss. M.P. ~165° dec.; $[\alpha]_{546}^{20} + 13.9 \pm 0.5^\circ$; $[\alpha]_D^{20} + 12.2 \pm 0.5^\circ$ (c = 1 in Chloroform)	1 g 25. —	5 g 105. —
	BOC-L-tryptophan $C_6H_4NHCH:CCH_2CH(COOH)NHCOOC(CH_3)_3$ $C_{18}H_{20}N_2O_4$ M_r 304.35 [13139-14-5]		
15512	puriss. CHR ~98% (T); M.P. 136-138°; $[\alpha]_{546}^{20} - 22.5 \pm 0.5^\circ$; $[\alpha]_D^{20} - 18.3 \pm 0.5^\circ$ (c = 1 in DMF)	5 g 29. —	25 g 120. — 100 g 320. —
	BOC-L-tryptophan hydroxysuccinimide ester $C_6H_4NHCH:CCH_2CH(COONCOCH_2CH_2CO)NHCOOC(CH_3)_3$ $C_{20}H_{23}N_3O_6$ M_r 401.42 [3392-11-8]		
15516	puriss. CHR; M.P. 146-148°; $[\alpha]_{546}^{20} - 28.5 \pm 1^\circ$; $[\alpha]_D^{20} - 24 \pm 1^\circ$ (c = 1 in Dioxane); store in refrigerator	1 g 12. —	5 g 50. —
15517	BOC-L-tryptophan 4-nitrophenyl ester puriss. CHR; M.P. 115-117°; store in refrigerator $C_6H_4NHCH:CCH_2CH(COOC_6H_4NO_2)NHCOOC(CH_3)_3$ $C_{22}H_{23}N_3O_6$ M_r 425.44 [15160-31-8]	1 g 18. —	5 g 75. —
	BOC-L-tyrosine $HOC_6H_4CH_2CH(COOH)NHCOOC(CH_3)_3$ $C_{14}H_{19}NO_5$ M_r 281.31 [3978-80-1]		
15520	puriss. CHR >99% (T); M.P. 136-138° dec.; $[\alpha]_{546}^{20} + 3.3 \pm 0.3^\circ$ (c = 2 in Acetic acid)	5 g 37. —	25 g 155. — 100 g 500. —

			sFr.	sFr.
	BOC-L-valine			
	$(\text{CH}_3)_2\text{CHCH}(\text{COOH})\text{NHCOOC}(\text{CH}_3)_3$ $\text{C}_{10}\text{H}_{19}\text{NO}_4$ M_r 217.27 [13734-41-3]			
15528	puriss. CHR >99%(T); M.P. 76-78°; $[\alpha]_{540}^{20} - 7.4 \pm 0.5^\circ$; $[\alpha]_D^{20} - 6.5 \pm 0.5^\circ$ (c = 1 in Acetic acid); Ash <0.05%		5 g 29. —	25 g 120. — 100 g 320. —
	BOC-L-valine hydroxysuccinimide ester			
	$(\text{CH}_3)_2\text{CHCH}(\text{COONCOCH}_2\text{CH}_2\text{CO})\text{NHCOOC}(\text{CH}_3)_3$ $\text{C}_{14}\text{H}_{22}\text{N}_2\text{O}_8$ M_r 314.34 [3392-12-9]			
15531	puriss. CHR; M.P. 127-128°; $[\alpha]_{540}^{20} - 44.5 \pm 0.5^\circ$; $[\alpha]_D^{20} - 38.0 \pm 0.5^\circ$ (c = 2 in Dioxane); Ash <0.05%; store in refrigerator		1 g 14. —	5 g 60. —
	Nα-BOC-Nϵ-Z-L-lysine Dicyclohexylamine salt			
	$\text{C}_6\text{H}_5\text{CH}_2\text{OCONH}(\text{CH}_2)_4\text{CH}(\text{COOH})\text{NHCOOC}(\text{CH}_3)_3 \cdot \text{C}_{12}\text{H}_{23}\text{N}$			
	$\text{C}_{19}\text{H}_{28}\text{N}_2\text{O}_8 \cdot \text{C}_{12}\text{H}_{23}\text{N}$ M_r 561.77 [16948-04-2]			
15540	puriss. CHR; M.P. 114-116°; $[\alpha]_{540}^{20} - 7.0 \pm 0.5^\circ$; $[\alpha]_D^{20} - 5.0 \pm 0.5^\circ$ (c = 1 in Acetic acid); Ash <0.05%		5 g 29. —	25 g 120. —
	Nϵ-BOC-Nα-Z-L-lysine Dicyclohexylamine salt			
	$(\text{CH}_3)_3\text{COCONH}(\text{CH}_2)_4\text{CH}(\text{NHCOOCH}_2\text{C}_6\text{H}_5)\text{COOH} \cdot \text{C}_{12}\text{H}_{23}\text{N}$			
	$\text{C}_{19}\text{H}_{28}\text{N}_2\text{O}_8 \cdot \text{C}_{12}\text{H}_{23}\text{N}$ M_r 561.77 [2212-76-2]			
15550	puriss. CHR ~99%(NT); M.P. 154-156°; $[\alpha]_{540}^{20} + 8.8 \pm 0.4^\circ$; $[\alpha]_D^{20} + 7.2 \pm 0.4^\circ$ (c = 1 in Ethanol); Ash <0.05%; store in refrigerator		1 g 22. —	5 g 90. —
	Nα-BOC-Nϵ-Z-L-lysine hydroxysuccinimide ester			
	$\text{C}_6\text{H}_5\text{CH}_2\text{OCONH}(\text{CH}_2)_4\text{CH}(\text{COONCOCH}_2\text{CH}_2\text{CO})\text{NHCOOC}(\text{CH}_3)_3$			
	$\text{C}_{23}\text{H}_{31}\text{N}_3\text{O}_8$ M_r 477.52 [3338-34-9]			
15541	puriss. CHR; M.P. 109-111°; $[\alpha]_{540}^{20} - 25 \pm 0.5^\circ$; $[\alpha]_D^{20} - 21 \pm 0.5^\circ$ (c = 2 in Dioxane); store in refrigerator		1 g 28. —	5 g 120. —
	Bolton-Hunter Reagent see 56189 3-(4-Hydroxyphenyl)propionic acid N-hydroxysuccinimide ester			
	BOP see 12802 Benzotriazol-1-yloxy-tris(dimethylamin)phosphonium hexafluorophosphate			
	9-Borabicyclo[3.3.1]nonane, 9-BBN			
	8/31a $\text{C}_8\text{H}_{15}\text{B}$ M_r 122.02 [280-64-8]			
15585	pract. dimer M.P. 141-143°; very unstable, decomposes easily, pyrophoric; store in refrigerator; Review: H. C. Brown et al., J. Org. Chem. 41, 1778 (1976)		5 g 32. —	25 g 135. —
	Borahydride on polymer support (Amberlyst A-26 BF_4^- -Form)			
	$^+\text{C}_6\text{H}_5\text{CH}_2\text{N}(\text{CH}_3)_3\text{BH}_4^-$			
15595	~2 m Mol BH_4^- /g resin; Polymer supported reducing agent which may possess greater selectivity than alkaliborohydrides. Another advantage is the very simple work-up by filtration or use in columns: H.W. Gibson, F.C. Bailey, J. Chem. Soc. Chem. Comm. 815 (1977)		10 g 15. —	50 g 63. —
	Borane tert-Butylamine Complex (tert-Butylamine-borane)			
	4.1/1b $(\text{CH}_3)_3\text{CNH}_2 \cdot \text{BH}_3$ $\text{C}_4\text{H}_{14}\text{BN}$ M_r 86.98 [7337-45-3]			
15582	pract. >97%(N); M.P. 96-97°		25 g 26. —	100 g 95. —
15584	Borane Dimethylamine Complex pract. M.P. 35-36° (Dimethylamine-borane)		25 g 26. —	100 g 95. —
	4.1/1b $(\text{CH}_3)_2\text{NH} \cdot \text{BH}_3$ $\text{C}_2\text{H}_{10}\text{BN}$ M_r 58.92 [74-94-2]			
15586	Borane Methylsulfide Complex pract. ~10 M; as BH_3 ; store in refrigerator		80 g 105. —	
	4.2/3 $(\text{CH}_3)_2\text{S} \cdot \text{BH}_3$ $\text{C}_2\text{H}_8\text{BS}$ M_r 75.97 [13292-87-0]			
	Borane Triethylamine Complex (Triethylamine borane)			
	3/4 $(\text{C}_2\text{H}_5)_3\text{N} \cdot \text{BH}_3$ $\text{C}_6\text{H}_{18}\text{BN}$ M_r 115.03 [1722-26-5]			
15589	pract. M.P. -4--2°; B.P. 1297° (Lit.); d_4^{20} 0.783; n_D^{20} 1.444		25 g 26. —	100 g 95. —
15591	Borane Trimethylamine Complex pract. M.P. 93-95° (Trimethylamine borane)		25 g 32. —	100 g 135. —
	4.1/16 $(\text{CH}_3)_3\text{N} \cdot \text{BH}_3$ $\text{C}_3\text{H}_{12}\text{BN}$ M_r 72.95 [75-22-9]			
	Borax see 72000 Sodium tetraborate			
	Boric acid			
	H_3BO_3 M_r 61.83 [10043-35-3]			
15660	puriss. p.a.		250 g 7. —	1 kg 12. —
	Fluka-Guarantee:			
	Assay	>99.5 %	Non-volatile parts in	
	Iron (Fe)	<0.0001 %	Methanol-HCl solution	<0.05 %
	Calcium (Ca)	<0.002 %	Chloride (Cl)	<0.0003 %
	Magnesium (Mg)	<0.0005 %	Sulfate (SO_4)	<0.0005 %
	Arsenic (As)	<0.00005 %	Heavy metals (as Pb)	<0.0005 %
	Phosphate (PO_4)	<0.0005 %		

				sFr.	sFr.
15670	purum p.a. Fluka-Guarantee: Assay (T) >98.0 % Chloride (Cl) <0.005% Copper (Cu) <0.005%	Lead (Pb) <0.005% Iron (Fe) <0.005% Zinc (Zn) <0.005%		1 kg 9. —	5 kg 32. —
FLUKA GUARANTEE					
Boric acid tributyl ester see 90795 Tributyl borate					
Boric acid triethyl ester see 90370 Triethyl borate					
Boric acid trimethyl ester see 92330 Trimethyl borate					
15680	Boric anhydride purum p.a. powder (Borontrioxide) B ₂ O ₃ M _r 69.62 [1303-86-2] Fluka-Guarantee: Assay >98.0 % Residue on ignition (800°C) <2 % Chloride (Cl) <0.005% Sulfate (SO ₄) <0.005%	Copper (Cu) <0.005% Lead (Pb) <0.005% Zinc (Zn) <0.005%		250 g 7. — 1 kg 15. — 5 kg 63. —	
FLUKA GUARANTEE					
Bomanamine see 15630 R(+) - Bornylamine					
(–)-Borneol {endo-(1S)-1,7,7-Trimethylbicyclo[2.2.1.]heptan-2-ol} C ₁₀ H ₁₈ O M _r 154.25 [464-45-9] pract. ~85%(GC); M.P. 204-207°; [α] _D ²⁰ –30±2° (c = 5 in Ethanol)					
15600				100 g 22. —	500 g 90. —
15610	Borneol techn. ~90%(GC); M.P. 206-208° C ₁₀ H ₁₈ O M _r 154.25 [507-70-0]			250 g 31. —	
R(+) - Bornylamine {Bornanamine; endo-(1R)-1,7,7-Trimethylbicyclo[2.2.1]heptan-2-amine} C ₁₀ H ₁₉ N M _r 153.27 [32511-34-5] purum >97%(NT); M.P. 161-164°; [α] _D ²⁰ +51±1°; [α] _D ²⁰ +45±1° (c = 0.5 in Ethanol); store in refrigerator					
15630				1 g 80. —	
Boron					
	B A _r 10.81 [7440-42-8]				
15570	puriss. electrolytic in lumps >99.5%			1 g 10. —	5 g 37. —
15580	pract. amorphous powder 95-97%			10 g 15. —	50 g 63. —
15593	Boron carbide purum mesh size 15-26 μ CB ₄ B ₄ C M _r 55.26 [12069-32-8]			100 g 25. —	500 g 105. —
15620	Boron nitride purum 99% BN M _r 24.82 [10043-11-5]			50 g 24. —	
Boron tribromide					
8/11b	BBr ₃ M _r 250.54 [10294-33-4]				
15690	purum >99%(Br); B.P. ~90°; d ₄ ²⁰ 2.60; Br ₂ ~0.1%; COBr ₂ <0.15%; S ₂ Br ₂ <0.04%; Si <0.001%; reacts violently with water, corrosive			1 lt ≈ 2.60 kg	25 ml 24. — 100 ml 90. —
Boron trichloride					
2/3at	BCl ₃ M _r 117.19 [10294-34-5]				
15706	purum ~98% + ~2% Cl ₂ ; COCl ₂ <0.1%; SCl ₂ <0.03%; Si <0.001%; B.P. ~12°			Cyl. with net ~5 kg 760. — (price of gas 600. —)	
Boron trifluoride					
2/1at	BF ₃ M _r 67.81 [7637-07-2]				
15714	purum >98%; N ₂ <1%; SO ₂ <0.06%; Fe ₂ O ₃ <0.0006%; SiO ₂ <0.003%; O ₂ = traces			Cyl. with 5 lt; net ~3 kg 760. — (price of gas 520. —)	
Boron trifluoride 10% in Methanol					
15715	3/5; 11° pract. d ₄ ²⁰ 0.859; for esterification of fatty acids for GC work; store in refrigerator			1 lt ≈ 0.86 kg	250 ml 12. — 1 lt 40. —
Boron trifluoride Acetic acid Complex					
8/15c	BF ₃ ·2CH ₃ COOH BF ₃ ·2C ₂ H ₄ O ₂ M _r 187.91 [373-61-5]				
15760	pract. ~36% BF ₃ ; d ₄ ²⁰ 1.353; n _D ²⁰ 1.367			1 lt ≈ 1.35 kg	250 ml 11. — 1 lt 38. —
15730	Boron trifluoride Ethylamine Complex pract. ~59% BF ₃ ; M.P. ~85° 8/15c BF ₃ ·C ₂ H ₅ NH ₂ BF ₃ ·C ₂ H ₇ N M _r 112.89 [75-23-0]			100 g 18. —	500 g 75. —
15750	Boron trifluoride Dihydrate pract. >95%(T); d ₄ ²⁰ 1.626; n _D ²⁰ 1.317 8/15c BF ₃ ·2H ₂ O M _r 103.84 [13319-75-0]			1 lt ≈ 1.61 kg	100 ml 12. — 500 ml 50. —



				sFr.	sFr.
	Boron trifluoride ethyl etherate				
	3/1a; 20°	$\text{BF}_3 \cdot \text{O}(\text{C}_2\text{H}_5)_2$	$\text{BF}_3 \cdot \text{C}_4\text{H}_{10}\text{O}$	M_r 141.93 [109-63-7]	
15720	pract.	B.P. 126-129°; d_4^{20} 1.13; n_D^{20} 1.34; corrosive	1 lt $\approx$ 1.13 kg	100 ml 8. —	500 ml 20. — 2.5 lt 85. —
	Boron trifluoride methyl etherate				
	3/1a; 20°	$\text{BF}_3 \cdot \text{O}(\text{CH}_3)_2$	$\text{BF}_3 \cdot \text{C}_2\text{H}_6\text{O}$	M_r 113.88 [353-42-4]	
15800	pract. $\sim$ 60% BF_3 ; B.P. 126-128°; d_4^{20} 1.240		1 lt $\approx$ 1.24 kg	100 ml 11. —	500 ml 46. —
15811	Boron trifluoride Phosphoric acid Complex	pract. d_4^{20} 1.842; n_D^{20} 1.345	1 lt $\approx$ 1.84 kg	100 ml 18. —	500 ml 75. —
8/15c	$\text{BF}_3 \cdot \text{H}_3\text{PO}_4$	M_r 165.80 [13669-76-6]			
	Boron trioxide see 15680 Boric anhydride				
	Bovine Albumin see 05470 Albumin Bovine				
	Bovine α-Globulin see 49010 α -Globulin from Bovine blood				
	Bovine γ-Globulin see 49030 γ -Globulin from Bovine blood				
	Bovine Hemoglobine see 51290 Hemoglobin from Bovine blood				
	Bower-compound see 45361 6,7-Epoxygeranyl-3,4-methylenedioxyphenyl ether				
	BPOC-L-alanine Dicyclohexylamine salt				
		$\text{CH}_3\text{CH}(\text{COOH})\text{NHCOOC}(\text{CH}_3)_2\text{C}_6\text{H}_4\text{C}_6\text{H}_5 \cdot \text{C}_{12}\text{H}_{23}\text{N}$	$\text{C}_{19}\text{H}_{21}\text{NO}_4 \cdot \text{C}_{12}\text{H}_{23}\text{N}$	M_r 508.71 [23631-95-0]	
15851	puriss. CHR; M.P. 161-163° dec.; $[\alpha]_{546}^{20} - 4.2 \pm 0.3^\circ$ (c = 2 in Methanol); store in refrigerator			1 g 25. —	5 g 105. —
	BPOC-L-asparagine				
		$\text{NH}_2\text{COCH}_2\text{CH}(\text{COOH})\text{NHCOOC}(\text{CH}_3)_2\text{C}_6\text{H}_4\text{C}_6\text{H}_5$	$\text{C}_{20}\text{H}_{22}\text{N}_2\text{O}_5$	M_r 370.41 [18635-06-8]	
15848	puriss. CHR >99%(T); M.P. 178-180°; $[\alpha]_{546}^{20} + 6.0 \pm 0.2^\circ$; $[\alpha]_D^{20} + 4.6 \pm 0.2^\circ$ (c = 1 in Methanol); store in refrigerator			1 g 35. —	5 g 145. —
	Nα-BPOC-Nϵ-BOC-L-lysine Dicyclohexylamine salt				
		$(\text{CH}_3)_3\text{COCONH}(\text{CH}_2)_4\text{CH}(\text{COOH})\text{NHCOOC}(\text{CH}_3)_2\text{C}_6\text{H}_4\text{C}_6\text{H}_5 \cdot \text{C}_{12}\text{H}_{23}\text{N}$			
15863	$\text{C}_{27}\text{H}_{36}\text{N}_2\text{O}_6 \cdot \text{C}_{12}\text{H}_{23}\text{N}$	M_r 665.92 [47766-94-9]	puriss. CHR; M.P. 52-53°; $[\alpha]_{546}^{20} + 12.0 \pm 0.5^\circ$; $[\alpha]_D^{20} + 10.0 \pm 0.5^\circ$ (c = 1 in Methanol)	1 g 40. —	5 g 170. —
	BPOC-O-tert-butyl-L-threonine Dicyclohexylamine salt				
		$\text{CH}_3\text{CH}[\text{OC}(\text{CH}_3)_3]\text{CH}(\text{COOH})\text{NHCOOC}(\text{CH}_3)_2\text{C}_6\text{H}_4\text{C}_6\text{H}_5 \cdot \text{C}_{12}\text{H}_{23}\text{N}$	$\text{C}_{24}\text{H}_{31}\text{NO}_5 \cdot \text{C}_{12}\text{H}_{23}\text{N}$	M_r 594.84 [62020-46-6]	
15847	puriss. CHR; M.P. 153-155°; $[\alpha]_{546}^{20} + 7.5 \pm 0.4^\circ$; $[\alpha]_D^{20} + 6.5 \pm 0.4^\circ$ (c = 2 in Methanol); store in refrigerator			1 g 60. —	
	BPOC-L-glutamine Dicyclohexylamine salt				
		$\text{NH}_2\text{COCH}_2\text{CH}_2\text{CH}(\text{COOH})\text{NHCOOC}(\text{CH}_3)_2\text{C}_6\text{H}_4\text{C}_6\text{H}_5 \cdot \text{C}_{12}\text{H}_{23}\text{N}$	$\text{C}_{21}\text{H}_{24}\text{N}_2\text{O}_5 \cdot \text{C}_{12}\text{H}_{23}\text{N}$	M_r 565.76 [25692-86-8]	
15849	puriss. CHR M.P. 106-108°; $[\alpha]_{546}^{20} + 11.5 \pm 0.5^\circ$; $[\alpha]_D^{20} + 9.5 \pm 0.5^\circ$ (c = 1 in Methanol); store in refrigerator			1 g 25. —	5 g 105. —
	BPOC-glycine Dicyclohexylamine salt				
		$\text{C}_6\text{H}_5\text{C}_6\text{H}_4\text{C}(\text{CH}_3)_2\text{OCONHCH}_2\text{COOH} \cdot \text{C}_{12}\text{H}_{23}\text{N}$			
15852	$\text{C}_{16}\text{H}_{19}\text{NO}_4 \cdot \text{C}_{12}\text{H}_{23}\text{N}$	M_r 494.68 [18701-38-7]	puriss. CHR M.P. 189-191° dec.; store in refrigerator	1 g 25. —	5 g 105. —
15853	BPOC-L-isoleucine	puriss. CHR; store in refrigerator.		1 g 30. —	5 g 125. —
		$\text{CH}_3\text{CH}_2\text{CH}(\text{CH}_3)\text{CH}(\text{COOH})\text{NHCOOC}(\text{CH}_3)_2\text{C}_6\text{H}_4\text{C}_6\text{H}_5$	$\text{C}_{22}\text{H}_{27}\text{NO}_4$	M_r 369.46 [47553-71-9]	
	BPOC-L-leucine Dicyclohexylamine salt				
		$(\text{CH}_3)_2\text{CHCH}_2\text{CH}(\text{COOH})\text{NHCOOC}(\text{CH}_3)_2\text{C}_6\text{H}_4\text{C}_6\text{H}_5 \cdot \text{C}_{12}\text{H}_{23}\text{N}$			
15854	$\text{C}_{22}\text{H}_{27}\text{NO}_4 \cdot \text{C}_{12}\text{H}_{23}\text{N}$	M_r 550.79 [40332-78-3]	puriss. CHR M.P. $\sim$ 120°; $[\alpha]_{546}^{20} - 5.5 \pm 0.5^\circ$; $[\alpha]_D^{20} - 4.5 \pm 0.5^\circ$ (c = 2 in Methanol)	1 g 25. —	5 g 105. —
	BPOC-L-methionine Dicyclohexylamine salt				
		$\text{CH}_3\text{SCH}_2\text{CH}_2\text{CH}(\text{COOH})\text{NHCOOC}(\text{CH}_3)_2\text{C}_6\text{H}_4\text{C}_6\text{H}_5 \cdot \text{C}_{12}\text{H}_{23}\text{N}$			
15855	$\text{C}_{21}\text{H}_{25}\text{NO}_4\text{S} \cdot \text{C}_{12}\text{H}_{23}\text{N}$	M_r 568.83 [18635-05-7]	puriss. CHR; M.P. 141-143°; $[\alpha]_{546}^{20} + 14.0 \pm 0.5^\circ$; $[\alpha]_D^{20} + 11.5 \pm 0.5^\circ$ (c = 2 in Methanol); store in refrigerator	1 g 25. —	5 g 105. —
	BPOC-L-phenylalanine Dicyclohexylamine salt				
		$\text{C}_6\text{H}_5\text{CH}_2\text{CH}(\text{COOH})\text{NHCOOC}(\text{CH}_3)_2\text{C}_6\text{H}_4\text{C}_6\text{H}_5 \cdot \text{C}_{12}\text{H}_{23}\text{N}$	$\text{C}_{25}\text{H}_{25}\text{NO}_4 \cdot \text{C}_{12}\text{H}_{23}\text{N}$		
15856	M_r 584.80 [18635-03-5]	puriss. CHR; M.P. 142-145°; $[\alpha]_{546}^{20} + 38 \pm 1^\circ$; $[\alpha]_D^{20} + 32 \pm 1^\circ$ (c = 2 in Methanol); store in refrigerator		1 g 30. —	5 g 125. —

			sFr.	sFr.
	BPOC-L-proline Dicyclohexylamine salt			
	$C_6H_5C_6H_4C(CH_3)_2OCON(CH_2)_2CHCOOH \cdot C_{12}H_{23}H \quad C_{21}H_{23}NO_4 \cdot C_{12}H_{23}N$			
	M_r 534.75 [40332-83-0]			
15857	puriss. CHR M.P. $\sim 165^\circ$ dec.; $[\alpha]_{540}^{20} - 14 \pm 0.5^\circ$; $[\alpha]_D^{20} - 12 \pm 0.5^\circ$ (c = 2 in Methanol)			1 g 30. — 5 g 125. —
	BPOC-L-valine Cyclohexylamine salt			
	$(CH_3)_2CHCH(COOH)NHCOOC(CH_3)_2C_6H_4C_6H_5 \cdot C_6H_{11}N \quad C_{21}H_{26}NO_4 \cdot C_6H_{11}N \quad M_r$ 452.60 [18635-00-2]			
15858	puriss. CHR M.P. $\sim 170^\circ$ dec.; $[\alpha]_{540}^{20} - 9.4 \pm 0.4^\circ$; $[\alpha]_D^{20} - 8.3 \pm 0.4^\circ$ (c = 2 in Methanol); store in refrigerator; Lit.: P. Sieber and B. Iselin, <i>Helv.</i> 51, 614 (1968)			1 g 25. — 5 g 105. —
15859	Bradykinine triacetate purum $C_{80}H_{73}N_{15}O_{11} \cdot 3C_2H_4O_2 \quad M_r$ 1240.39 [5979-11-3]			5 mg 40. —
	Brasilin [C.I. Nr. 75280; Sch. Nr. 1375] (6,6a,7,11b-Tetrahydro-3,6a,9,10-tetrahydroxyindeno[2,1-c]chromene)			
	$C_{16}H_{14}O_6 \quad M_r$ 268.29 [474-07-7]			
15860	Standard Fluka for Microscopy (Hist.); M.P. $\sim 130^\circ$ dec.			25 g 50. —
	Brassylic acid see 91510 Tridecanedioic acid			
16005	Brij 35® pract. M.P. 39-41° (Polyoxyethylene-lauryl ether) [9002-92-0] ® Trademark of Atlas Powder			250 g 10. — 1 kg 30. —
	Brilliant Cresyl Blue [C.I. Nr. 51010 (1924); Sch. Nr. 992] (Cresyl blue)			
	2,4-(NH ₂) ₂ C ₆ H ₂ N:C ₆ H ₂ -6-CH ₃ -7-N(C ₂ H ₅) ₂ :O(Cl) $C_{17}H_{21}ClN_4O \quad M_r$ 332.84 [4712-70-3]			
16030	Standard Fluka for Microscopy (Vit.)			10 g 10. — 50 g 37. —
	Brilliant Green [C.I. Nr. 42040; Sch. Nr. 760]			
	4-(C ₂ H ₅) ₂ NC ₆ H ₄ C(C ₆ H ₅):C ₆ H ₄ -4-:N(C ₂ H ₅) ₂ (HSO ₄) $C_{27}H_{34}N_2O_4S \quad M_r$ 482.65 [633-03-4]			
16020	Standard Fluka for Microscopy (Bact., Bot., Hist.); Indicator pH 0.1-2.6			100 g 12. — 500 g 50. —
16010	Brilliant Yellow [C.I. Nr. 24890; Sch. Nr. 724] Standard Fluka Indicator pH 7.4-8.6 (4-HOC ₆ H ₄ N:NC ₆ H ₃ -3-SO ₃ Na-4-CH:) ₂ $C_{26}H_{18}N_4Na_2O_6S_2 \quad M_r$ 624.56 [3051-11-4]			50 g 13. —
	Bromal (Tribromoacetaldehyde)			
	6.1/13a $Br_3CCHO \quad C_2HBr_3O \quad M_r$ 280.76 [115-17-3]			
16180	purum redest. >97% (Br); B.P. ₁₁ 58-60°; d_4^{20} 2.675; n_D^{20} 1.584; store in refrigerator			1 lt $\approx$ 2.68 kg 25 ml 14. — 100 ml 50. —
	Bromide polymer support			
	Ⓟ-N(Br)(CH ₃) ₃			
17350	~ 3.5 meq/g Resine; 3-5% water; Chlorine <1%			25 g 29. — 100 g 105. —
	Bromine			
	8/14 $Br_2 \quad M_r$ 159.81 [7726-95-6]			
16040	puriss. p.a. B.P. 58-59°			1 lt $\approx$ 3.11 kg 50 ml 8. — 250 ml 29. —
	Fluka-Guarantee:			
	Assay (RT)	>99.0 %	Copper (Cu)	<0.00005%
	Residue on evaporation	<0.005%	Iron (Fe)	<0.0001 %
	Sulfate (SO ₄)	<0.001%	Lead (Pb)	<0.00005%
	Chlorine (Cl)	<0.05 %	Cadmium (Cd)	<0.00005%
	Iodine (I)	<0.001%	Zinc (Zn)	<0.00005%
	Org. Bromo-compounds	passes test		
16050	purum p.a.			1 lt $\approx$ 3.11 kg 250 ml 14. — 1 lt 50. —
	Fluka-Guarantee:			
	Assay	>99.0 %	Cobalt (Co)	<0.005%
	Sulfate (SO ₄)	<0.005%	Iron (Fe)	<0.005%
	Copper (Cu)	<0.005%	Zinc (Zn)	<0.005%
	Lead (Pb)	<0.005%	Calcium (Ca)	<0.005%
	Nickel (Ni)	<0.005%		
	Bromine polymer support			
	ⓅN ⁺ (CH ₃) ₃ Br ₃			
16055	~ 5.7 meq/g Resine (1.1 meq Br ₃ ⁻ /g Resine)			10 g 18. — 50 g 75. —
	Bromoacetaldehyde diethyl acetal (Bromoacetal)			
	3/4; 65° $BrCH_2CH(OC_2H_5)_2 \quad C_6H_{13}BrO_2 \quad M_r$ 197.08 [2032-35-1]			
16061	pract. stab. $\sim 95\%$ (GC); B.P. ₁₀ 60-62° (Lit.); d_4^{20} 1.268; n_D^{20} 1.438			1 lt $\approx$ 1.27 kg 100 ml 15. — 500 ml 63. —



				sFr.	sFr.
	Bromoacetaldehyde dimethyl acetal				
16070	3/3; 51°	$\text{BrCH}_2\text{CH}(\text{OCH}_3)_2$ $\text{C}_4\text{H}_8\text{BrO}_2$ M_r 169.03 [7252-83-7]	purum >97%(GC); B.P., 45-47°; d_4^{20} 1.437; n_D^{20} 1.448	1 lt $\approx$ 1.44 kg	100 ml 35. — 500 ml 145. —
	Bromoacetaldehyde ethylene acetal see 17618 2-Bromomethyl-1,3-dioxolane				
16080	N-Bromoacetamide	purum >99%(RT); M.P. 105-107°; store in refrigerator	CH_3CONHBr $\text{C}_2\text{H}_4\text{BrNO}$ M_r 137.96 [79-15-2]	25 g 8. — 100 g 22. — 500 g 90. —	
16085	2-(Bromoacetamido)-4-nitrophenol Koshland III)				
		$\text{BrCH}_2\text{CONHC}_6\text{H}_3(\text{OH})\text{NO}_2$ $\text{C}_8\text{H}_7\text{BrN}_2\text{O}_4$ M_r 275.06 [3947-58-8]	puriss. biochim. $\sim$ 99%(NT); M.P. 211-212° dec.; Used as an environmentally sensitive group attached to proteins: M. E. Kirtley, D. E. Koshland, Jr., in Methods in Enzym. XXVI, 582 (1972)	1 g 10. — 5 g 40. —	
16090	4-Bromoacetanilide purum >98%(Br); M.P. 166-169° (N-Acetyl-4-bromoaniline)				
		$\text{CH}_3\text{CONHC}_6\text{H}_4\text{Br}$ $\text{C}_8\text{H}_8\text{BrNO}$ M_r 214.07 [103-88-8]		100 g 16. —	
	Bromoacetic acid				
17000	8/21a	BrCH_2COOH $\text{C}_2\text{H}_3\text{BrO}_2$ M_r 138.95 [79-08-3]	puriss. >99%(T); M.P. 46-49°	25 g 8. — 100 g 25. — 500 g 105. —	
17010			purum >97%(T); M.P. 44-47°	250 g 16. — 1 kg 55. —	
	Bromoacetone (1-Bromo-2-propanone)				
16101	6.1/61c	$\text{CH}_3\text{COCH}_2\text{Br}$ $\text{C}_3\text{H}_5\text{BrO}$ M_r 136.98 [598-31-2]	techn. stab. with water containing $\sim$ 25-30% Acetone; store in refrigerator	1 lt $\approx$ 1.63 kg	100 ml 28. — 500 ml 120. —
	3-Bromoacetophenone (3-Acetylbromobenzene)				
16109	6.1/23	$\text{BrC}_6\text{H}_4\text{COCH}_3$ $\text{C}_8\text{H}_7\text{BrO}$ M_r 199.05 [2142-63-4]	purum >98%(GC); B.P., 79-81°; d_4^{20} 1.496; n_D^{20} 1.576	1 lt $\approx$ 1.50 kg	5 ml 16. — 25 ml 67. —
	4-Bromoacetophenone (4-Acetylbromobenzene)				
16110	6.1/23c	$\text{BrC}_6\text{H}_4\text{COCH}_3$ $\text{C}_8\text{H}_7\text{BrO}$ M_r 199.05 [99-90-1]	purum >98%(Br); M.P. 49-51°; 1 g clearly soluble in 10 ml Methanol	25 g 10. — 100 g 35. —	
	ω-Bromoacetophenone see 77450 Phenacyl bromide				
16115	Bromoacetyl bromide pract. >98%(Br); B.P. 147-150°; d_4^{20} 2.32; n_D^{20} 1.546				
	6.1/61	BrCH_2COBr $\text{C}_2\text{H}_2\text{Br}_2\text{O}$ M_r 201.86 [598-21-0]		1 lt $\approx$ 2.32 kg	100 ml 18. — 500 ml 67. —
	Bromoacetyl chloride				
16120	8/22	BrCH_2COCl $\text{C}_2\text{H}_2\text{BrClO}$ M_r 157.40 [15018-06-1]	purum >98%(Br); B.P. 127-127.5° (Lit.); d_4^{20} 1.91; n_D^{20} 1.495	1 lt $\approx$ 1.91 kg	100 ml 35. — 500 ml 145. —
	1-Bromoadamantane (1-Adamantyl bromide)				
16130		$\text{C}_{10}\text{H}_{15}\text{Br}$ M_r 215.14 [768-90-1]	purum $\sim$ 98%(Br); M.P. 117-119°; 1 g clearly soluble in 10 ml Methanol	25 g 22. — 100 g 80. —	
	8-Bromoadenosine (8-Bromo-adenine-9- β -D-ribofuranoside)				
16132		$\text{C}_{10}\text{H}_{12}\text{BrN}_5\text{O}_4$ M_r 346.15 [2946-39-6]	purum >98%(NT); M.P. 218° dec.	1 g 20. — 5 g 85. —	
16190	2-Bromoaniline purum >98%(GC); M.P. 25-28°; B.P., 95-97°; store in refrigerator				
	6.1/21e	$\text{BrC}_6\text{H}_4\text{NH}_2$ $\text{C}_6\text{H}_6\text{BrN}$ M_r 172.03 [615-36-1]		10 g 10. — 50 g 40. —	
	3-Bromoaniline				
16210	6.1/21e	$\text{BrC}_6\text{H}_4\text{NH}_2$ $\text{C}_6\text{H}_6\text{BrN}$ M_r 172.03 [591-19-5]	purum >97%(GC); B.P., 74-75°; d_4^{20} 1.58; n_D^{20} 1.625	1 lt $\approx$ 1.58 kg	10 ml 20. — 50 ml 85. —
	4-Bromoaniline				
16230	6.1/21e	$\text{BrC}_6\text{H}_4\text{NH}_2$ $\text{C}_6\text{H}_6\text{BrN}$ M_r 172.03 [106-40-7]	puriss. >99%(GC); M.P. 61-63°	25 g 16. — 100 g 55. —	
16240			pract. $\sim$ 95%(GC); M.P. 56-62°	100 g 22. — 500 g 90. —	
	2-Bromoanisole (1-Bromo-2-methoxybenzene)				
16250	3/4	$\text{BrC}_6\text{H}_4\text{OCH}_3$ $\text{C}_7\text{H}_7\text{BrO}$ M_r 187.04 [578-57-4]	purum >98%(GC); B.P. 215-217°; d_4^{20} 1.513; n_D^{20} 1.573	1 lt $\approx$ 1.51 kg	25 ml 21. — 100 ml 75. —
	3-Bromoanisole (1-Bromo-3-methoxybenzene)				
16255	3/4	$\text{BrC}_6\text{H}_4\text{OCH}_3$ $\text{C}_7\text{H}_7\text{BrO}$ M_r 187.04 [2398-37-0]	purum >98%(GC); B.P. 212-214°; d_4^{20} 1.485; n_D^{20} 1.563; <0.5% 4-Bromoanisole	1 lt $\approx$ 1.48 kg	10 ml 18. — 50 ml 75. —

					sFr.	sFr.
	4-Bromoanisole (1-Bromo-4-methoxybenzene)					
	3/4 $\text{BrC}_6\text{H}_4\text{OCH}_3$ $\text{C}_7\text{H}_7\text{BrO}$ M_r 187.04 [104-92-7]					
16260	purum >98%(GC); M.P. 12-14°; B.P. ₁₀ 98-99°; d_4^{20} 1.50; n_D^{20} 1.564	1 lt ≈ 1.50 kg	100 ml 20. —	500 ml 85. —		
16270	3-Bromoanthracene pract. ~95%(HPLC); M.P. 97-100°; containing 2-5% Anthracene $\text{C}_{14}\text{H}_9\text{Br}$ M_r 257.14 [1564-64-3]		10 g 22. —	50 g 90. —		
	2-Bromobenzaldehyde					
	6.1/23 $\text{BrC}_6\text{H}_4\text{CHO}$ $\text{C}_7\text{H}_5\text{BrO}$ M_r 185.03 [6630-33-7]					
16280	purum ~97%(GC); M.P. 16-19°; B.P. _{0.5} 56-58°; d_4^{20} 1.596; n_D^{20} 1.594	1 lt ≈ 1.60 kg	5 ml 13. —	25 ml 55. —		
	3-Bromobenzaldehyde					
	6.1/23 $\text{BrC}_6\text{H}_4\text{CHO}$ $\text{C}_7\text{H}_5\text{BrO}$ M_r 185.03 [3132-99-8]					
16290	pract. ~98%(GC); M.P. 18-21°; B.P. _{0.5} 62-64°; d_4^{20} 1.58; n_D^{20} 1.593; containing <3% 3-Bromobenzoic acid; store in refrigerator	1 lt ≈ 1.58 kg	5 ml 7. —	25 ml 17. —	100 ml 60. —	
16300	4-Bromobenzaldehyde purum >97%(GC); M.P. 56-58° 6.1/23 $\text{BrC}_6\text{H}_4\text{CHO}$ $\text{C}_7\text{H}_5\text{BrO}$ M_r 185.03 [1122-91-4]		5 g 10. —	25 g 40. —		
	Bromobenzene					
	6.1/62; 65° $\text{C}_6\text{H}_5\text{Br}$ M_r 157.02 [108-86-1]					
16350	puriss. >99.5%(GC); B.P. 154-155°; d_4^{20} 1.494; n_D^{20} 1.559	1 lt ≈ 1.49 kg	100 ml 12. —	500 ml 50. —		
16360	purum >99%(GC); B.P. 153-155°; d_4^{20} 1.492; n_D^{20} 1.559	1 lt ≈ 1.49 kg	250 ml 14. —	1 lt 50. —		
76591	Bromobenzene-d₅ purum 99.5 Atom% D 6.1/12c $\text{C}_6\text{D}_5\text{Br}$ C_6BrD_5 M_r 162.05 [4165-57-5]	1 lt ≈ 1.55 kg	1 ml 16. —	5 ml 67. —		
	4-Bromobenzenesulfonyl chloride					
	8/12 $\text{BrC}_6\text{H}_4\text{SO}_2\text{Cl}$ $\text{C}_6\text{H}_4\text{BrClO}_2\text{S}$ M_r 255.52 [98-58-8]					
16370	purum >98%(Br); M.P. 73-75°; 1 g clearly and colourless soluble in 10 ml Dioxane		25 g 10. —	100 g 35. —		
16311	4-Bromobenzhydrol pract. M.P. 61-65° 6.1/62 $\text{BrC}_6\text{H}_4\text{CH}(\text{OH})\text{C}_6\text{H}_5$ $\text{C}_{13}\text{H}_{11}\text{BrO}$ M_r 263.14 [29334-16-5]		50 g 21. —			
	2-Bromobenzoic acid					
	$\text{BrC}_6\text{H}_4\text{COOH}$ $\text{C}_7\text{H}_5\text{BrO}_2$ M_r 201.03					
16320	puriss. >99%(T); M.P. 148-150°; Ash <0.05%		10 g 13. —	50 g 55. —		
16323	pract. >97%(T)		50 g 18. —	250 g 75. —		
16330	3-Bromobenzoic acid puriss. >99%(T); M.P. 155-158°; Ash <0.05% $\text{BrC}_6\text{H}_4\text{COOH}$ $\text{C}_7\text{H}_5\text{BrO}_2$ M_r 201.03 [585-76-2]		10 g 15. —	50 g 63. —		
16340	4-Bromobenzoic acid puriss. >99%(T); M.P. 254-256°; Ash <0.05% $\text{BrC}_6\text{H}_4\text{COOH}$ $\text{C}_7\text{H}_5\text{BrO}_2$ M_r 201.03 [586-76-5]		10 g 10. —	50 g 37. —		
16380	4-Bromobenzonitrile purum >98%(Br); M.P. 110-112° 6.1/21 $\text{BrC}_6\text{H}_4\text{CN}$ $\text{C}_7\text{H}_4\text{BrN}$ M_r 182.03 [623-00-7]		10 g 22. —	50 g 90. —		
16390	4-Bromobenzophenone purum M.P. 81-82° $\text{C}_6\text{H}_5\text{COC}_6\text{H}_4\text{Br}$ $\text{C}_{13}\text{H}_9\text{BrO}$ M_r 261.12 [90-90-4]		50 g 32. —			
	2-Bromobenzotrifluoride (o-Bromo- α,α,α -trifluorotoluene)					
	8/15d; 69° $\text{BrC}_6\text{H}_4\text{CF}_3$ $\text{C}_7\text{H}_4\text{BrF}_3$ M_r 225.01 [392-83-6]					
16400	purum >98%(GC); B.P. 171° (Lit.); d_4^{20} 1.66; n_D^{20} 1.482	1 lt ≈ 1.66 kg	5 ml 20. —	25 ml 85. —		
	3-Bromobenzotrifluoride (m-Bromo- α,α,α -trifluorotoluene)					
	8/15d; 61° $\text{BrC}_6\text{H}_4\text{CF}_3$ $\text{C}_7\text{H}_4\text{BrF}_3$ M_r 225.01 [401-78-5]					
16410	purum >97%(GC); B.P. 154-156°; d_4^{20} 1.631; n_D^{20} 1.473	1 lt ≈ 1.63 kg	25 ml 14. —	100 ml 50. —		
	4-Bromobenzotrifluoride (p-Bromo- α,α,α -trifluorotoluene)					
	8/15d $\text{BrC}_6\text{H}_4\text{CF}_3$ $\text{C}_7\text{H}_4\text{BrF}_3$ M_r 225.01 [402-43-7]					
16412	purum >97%(GC); B.P. 156-159°; d_4^{20} 1.63; n_D^{20} 1.473	1 lt ≈ 1.63 kg	5 ml 40. —	25 ml 165. —		
	2-Bromobenzoyl chloride					
	8/22 $\text{BrC}_6\text{H}_4\text{COCl}$ $\text{C}_7\text{H}_4\text{BrClO}$ M_r 219.47 [7154-66-7]					
16430	purum >97%(GC); M.P. 9-11°; B.P. ₁₅ 128°; d_4^{20} 1.671; n_D^{20} 1.596	1 lt ≈ 1.67 kg	10 ml 30. —	50 ml 125. —		
	3-Bromobenzoyl chloride					
	8/22 $\text{BrC}_6\text{H}_4\text{COCl}$ $\text{C}_7\text{H}_4\text{BrClO}$ M_r 219.47 [1711-09-7]					
16440	purum >98%(GC); B.P. 243° (Lit.); d_4^{20} 1.658; n_D^{20} 1.595	1 lt ≈ 1.66 kg	5 ml 24. —	25 ml 100. —		

						sFr.	sFr.
4-Bromobenzoyl chloride							
16450	8/12	BrC ₆ H ₄ COCl C ₇ H ₅ BrClO M _r 219.47 [586-75-4]	puriss. >99% (Cl); M.P. 38-40°; B.P. ₁₀ 62°; store in refrigerator			10 g 16.—	50 g 67.—
16453		2-Bromobenzyl alcohol purum >97% (GC); M.P. 78-80° BrC ₆ H ₄ CH ₂ OH C ₇ H ₇ BrO M _r 187.04 [18982-54-2]				5 g 12.—	25 g 50.—
16458		4-Bromobenzyl alcohol purum M.P. 77-79° BrC ₆ H ₄ CH ₂ OH C ₇ H ₇ BrO M _r 187.04 [873-75-6]				10 g 22.—	50 g 90.—
2-Bromobenzyl bromide							
16456	8/12	BrC ₆ H ₄ CH ₂ Br C ₇ H ₆ Br ₂ M _r 249.94 [3433-80-5]	purum ~99% (GC); M.P. 29-32°; B.P. ₁₁ 120-125°; store in refrigerator			10 g 16.—	50 g 67.—
3-Bromobenzyl bromide							
16457	8/12	BrC ₆ H ₄ CH ₂ Br C ₇ H ₆ Br ₂ M _r 249.94 [823-78-9]	purum ~99% (GC); M.P. 40-41°; B.P. ₁₂ 130°; store in refrigerator			5 g 13.—	25 g 55.—
16460		4-Bromobenzyl bromide purum >98% (Br); M.P. 60-62° 8/12 BrC ₆ H ₄ CH ₂ Br C ₇ H ₆ Br ₂ M _r 249.94 [589-15-1]				25 g 20.—	100 g 70.—
4-Bromobiphenyl							
16479		BrC ₆ H ₄ C ₆ H ₅ C ₁₂ H ₉ Br M _r 233.12 [92-66-0]	puriss. ~99% (GC); M.P. 89-90°			10 g 35.—	50 g 145.—
16480			pract. ~95% (GC); M.P. 82-86°; may contain Biphenyl + 4,4'-Dibromobiphenyl			25 g 18.—	100 g 65.—
1-Bromobutane (Butyl bromide)							
19681	3/3; 22°	CH ₃ (CH ₂) ₃ Br C ₄ H ₉ Br M _r 137.03 [109-65-9]	purum ~98% (GC); B.P. 99-101°; d ₄ ²⁰ 1.273; n _D ²⁰ 1.439	1 lt ≈ 1.27 kg	250 ml 9.—		1 lt 30.—
2-Bromobutane (sec.-Butyl bromide)							
19690	3/3; 21°	CH ₃ CH ₂ CHBrCH ₃ C ₄ H ₉ Br M _r 137.03 [78-76-2]	purum >99% (GC); B.P. 88-91°; d ₄ ²⁰ 1.256; n _D ²⁰ 1.436	1 lt ≈ 1.26 kg	100 ml 9.—		500 ml 32.—
trans-1-Bromo-2-butene see 28100 Crotyl bromide							
4-Bromo-1-butene							
16500	3/1a; 1°	BrCH ₂ CH ₂ CH:CH ₂ C ₄ H ₇ Br M _r 135.01 [5162-44-7]	purum >98% (GC); B.P. 98.5-99° (Lit.); d ₄ ²⁰ 1.32; n _D ²⁰ 1.462; store in refrigerator	1 lt ≈ 1.32 kg	10 ml 25.—		50 ml 105.—
2-Bromobutyric acid							
16510	8/21	CH ₃ CH ₂ CHBrCOOH C ₄ H ₇ BrO ₂ M _r 167.01 [80-58-0]	purum >97% (T); B.P. ₁₀ 100-102°; d ₄ ²⁰ 1.56; n _D ²⁰ 1.472; Appearance: Yellow-Brown	1 lt ≈ 1.56 kg	250 ml 29.—		1 lt 105.—
2-Bromo-4-butyrolactone (2-Bromo-4-hydroxybutyric acid γ-lactone)							
16560		CH ₂ CH ₂ CHBrCOO C ₄ H ₅ BrO ₂ M _r 164.99 [5061-21-2]	purum ~97% (GC); B.P. ₁₀ 127-130°; d ₄ ²⁰ 1.781; n _D ²⁰ 1.508; store in refrigerator	1 lt ≈ 1.77 kg	25 ml 33.—		100 ml 120.—
4-Bromobutyronitrile							
16570	6.1/2b	Br(CH ₂) ₃ CN C ₄ H ₆ BrN M _r 148.01 [5332-06-9]	pract. ~97% (GC); B.P. ₁₀ 93-95°; d ₄ ²⁰ 1.494; stab. with Sodium carbonate; store in refrigerator	1 lt ≈ 1.49 kg	5 ml 12.—		25 ml 50.—
16541		2-Bromobutyryl bromide pract. >97% (Br); d ₄ ²⁰ 1.95 8/22 CH ₃ CH ₂ CHBrCOBr C ₄ H ₆ Br ₂ O M _r 229.91 [26074-52-2]		1 lt ≈ 1.70 kg	100 ml 18.—		500 ml 75.—
(+)-3-Bromocamphor							
16571		C ₁₀ H ₁₅ BrO M _r 231.14 [76-29-9]	purum >97% (GC); M.P. 75-77°; [α] _D ²⁰ +163±3°; [α] _D ²⁰ +133±3° (c = 1 in Ethanol)	10 g 7.—	50 g 13.—		250 g 55.—
16573		3-Bromo-(+)-camphor-8-sulfonic acid pract. ~95% (T) C ₁₀ H ₁₅ BrO ₃ S·H ₂ O M _r 329.22 [5344-58-1]			1 g 9.—		5 g 32.—
16575		3-Bromo-(+)-camphor-10-sulfonic acid pract. C ₁₀ H ₁₅ BrO ₃ S·H ₂ O M _r 329.22 [24262-38-2]			1 g 9.—		5 g 32.—
3-Bromo-(+)-camphor-8-sulfonic acid Ammonium salt							
16578		C ₁₀ H ₁₅ BrNO ₃ S M _r 328.23 [14575-84-9]	purum >98% (T); M.P. ~280° dec.; [α] _D ²⁰ +101±3°; [α] _D ²⁰ +80±3° (c = 1 in water)		1 g 9.—		5 g 32.—

					sFr.	sFr.
	2-Bromocapric acid see 16860 2-Bromodecanoic acid					
	2-Bromocaproic acid (2-Bromohexanoic acid) 3/4; 63° $\text{CH}_3(\text{CH}_2)_3\text{CHBrCOOH}$ $\text{C}_6\text{H}_{11}\text{BrO}_2$ M_r 195.06 [616-05-7]					
16591	pract. >95%(T); B.P. 98-100°; d_4^{20} 1.37; n_D^{20} 1.472		1 lt $\approx$ 1.37 kg	100 ml	28. —	
16594	6-Bromocaproic acid pract. >97%(Br); M.P. 32-34° (6-Bromohexanoic acid) 3/4 $\text{BrCH}_2(\text{CH}_2)_4\text{COOH}$ $\text{C}_6\text{H}_{11}\text{BrO}_2$ M_r 195.06 [4224-70-8]			10 g	14. —	50 g 60. —
	N-Bromocaprolactam $\text{CH}_2(\text{CH}_2)_4\text{CONBr}$ $\text{C}_6\text{H}_{10}\text{BrNO}$ M_r 192.06 [2439-83-0]					
16580	purum >98%(T); M.P. 62-65°; store in refrigerator			25 g	26. —	100 g 95. —
	2-Bromo-caprylic acid see 17860 2-Bromo-octanoic acid					
	ω-Bromo-4-chloroacetophenone (4-Chlorophenacyl bromide) $\text{ClC}_6\text{H}_4\text{COCH}_2\text{Br}$ $\text{C}_8\text{H}_6\text{BrClO}$ M_r 233.50 [536-38-9]					
16617	purum >99%(Br); M.P. 97-98°			25 g	23. —	
	2-Bromochlorobenzene 6.1/61 $\text{BrC}_6\text{H}_4\text{Cl}$ $\text{C}_6\text{H}_4\text{BrCl}$ M_r 191.46 [694-80-4]					
16640	purum >99%(GC); B.P. 199-201° (Lit.); d_4^{20} 1.654; n_D^{20} 1.582		1 lt $\approx$ 1.65 kg	25 ml	18. —	100 ml 65. —
	3-Bromochlorobenzene 6.1/61 $\text{BrC}_6\text{H}_4\text{Cl}$ $\text{C}_6\text{H}_4\text{BrCl}$ M_r 191.46 [108-37-2]					
16650	purum >98%(GC); B.P. 168-70°; d_4^{20} 1.63; n_D^{20} 1.576		1 lt $\approx$ 1.63 kg	50 ml	26. —	250 ml 110. —
16660	4-Bromochlorobenzene purum >98%(GC); M.P. 64-67°; B.P. 196° (Lit.) 6.1/61 $\text{BrC}_6\text{H}_4\text{Cl}$ $\text{C}_6\text{H}_4\text{BrCl}$ M_r 191.46 [106-39-8]			100 g	9. —	500 g 34. —
	1-Bromo-2-chloroethane (Ethylene bromochloride) 6.1/12c $\text{ClCH}_2\text{CH}_2\text{Br}$ $\text{C}_2\text{H}_4\text{BrCl}$ M_r 143.42 [107-04-0]					
16621	purum $\sim$ 97%(GC); M.P. -15--13°; B.P. 104-107°; d_4^{20} 1.73; n_D^{20} 1.489		1 lt $\approx$ 1.73 kg	100 ml	25. —	500 ml 105. —
16670	5-Bromo-4-chloro-3-indolyl phosphate p-Toluidine salt puriss. for Gel electrophoresis $\text{BrC}_6\text{H}_2(\text{Cl})\text{NHCH:COPO}_3\text{H}_2\cdot\text{C}_7\text{H}_9\text{N}$ $\text{C}_8\text{H}_6\text{BrClNO}_4\text{P}\cdot\text{C}_7\text{H}_9\text{N}$ M_r 433.64 [6578-06-9]			10 mg	12. —	100 mg 75. —
	Bromochloromethane 6.1/61a BrCH_2Cl CH_2BrCl M_r 129.39 [74-97-5]					
16680	purum >98%(GC); B.P. 66-69°; d_4^{20} 1.93; n_D^{20} 1.482		1 lt $\approx$ 1.93 kg	250 ml	20. —	1 lt 70. —
	2-Bromo-4-chlorophenol 6.1/81b $\text{BrC}_6\text{H}_3\text{ClOH}$ $\text{C}_6\text{H}_4\text{BrClO}$ M_r 207.46 [695-96-5]					
16700	purum >98%(T); M.P. 32-34°; 1 g clearly soluble in 10 ml Methanol			25 g	22. —	100 g 80. —
	1-Bromo-3-chloropropane (Trimethylene bromochloride) 3/3; 45° $\text{Cl}(\text{CH}_2)_3\text{Br}$ $\text{C}_3\text{H}_6\text{BrCl}$ M_r 157.44 [109-70-6]					
16720	purum >98%(GC); B.P. 138-142°; d_4^{20} 1.60; n_D^{20} 1.486		1 lt $\approx$ 1.60 kg	100 ml	8. —	500 ml 29. — 2.5 lt 120. —
	Bromocresol Blue see 17470 Bromocresol Green					
	Bromocresol Green (Bromocresol Blue; 3',3'',5',5''-Tetrabromo-m-cresolsulfonphthalein) $\text{C}_6\text{H}_4\text{SO}_2\text{OC}(\text{C}_6\text{H}_2\text{CH}_3)_3$ $\text{C}_{21}\text{H}_{14}\text{Br}_4\text{O}_5\text{S}$ M_r 698.04 [76-60-8]					
17470	Standard Fluka for Microscopy (Bot., Hist., Vit.); Indicator pH 3.8-5.4; for Complexometry		1 g	7. —	5 g 18. —	25 g 75. —
	Bromocresol Green Sodium salt (3',3'',5',5''-Tetrabromo-m-cresolsulfonphthalein Sodium salt) $\text{NaO}_3\text{SC}_6\text{H}_4\text{C}(\text{C}_6\text{H}_2\text{CH}_3)_3$ $\text{C}_{21}\text{H}_{13}\text{Br}_4\text{NaO}_5\text{S}$ M_r 720.02 [23778-59-8]					
17480	Standard Fluka for Microscopy (Bot., Hist., Vit.); Indicator pH 3.8-5.4		1 g	7. —	5 g 20. —	25 g 85. —
	Bromocresol Purple (5',5''-Dibromo-o-cresolsulfonphthalein) $\text{C}_6\text{H}_4\text{SO}_2\text{OC}(\text{C}_6\text{H}_2\text{CH}_3)_2$ $\text{C}_{21}\text{H}_{16}\text{Br}_2\text{O}_5\text{S}$ M_r 540.24 [115-40-2]					
17490	Standard Fluka for Microscopy; M.P. 245° dec. (Hist., Vit.); Indicator pH 5.2-6.8; Microchem. J. 15, 531 (1970); Spectrophotometric determination of serum		5 g	7. —	10 g 11. —	50 g 46. —
17492	Bromocresol Purple Sodium salt p.a. $\text{C}_{21}\text{H}_{16}\text{Br}_2\text{O}_5\text{S}$ (as acid) M_r 540.24 [4399-47-7]			5 g	8. —	25 g 31. —

				sFr.	sFr.
Bromocyclobutane (Cyclobutyl bromide)					
16780	3/1a; 22°	$\text{CH}_2\text{CH}_2\text{CH}_2\text{CHBr}$ $\text{C}_4\text{H}_7\text{Br}$ M_r 135.01 [4399-47-7] purum >98%(GC); B.P. 107-108°; d_4^{20} 1.432; n_D^{20} 1.479		250 mg 21.—	1 g 75.—
Bromocyclohexane (Cyclohexyl bromide)					
16810	3/4; 63°	$\text{CH}_2(\text{CH}_2)_4\text{CHBr}$ $\text{C}_6\text{H}_{11}\text{Br}$ M_r 163.06 [108-85-0] purum >98%(GC); B.P. 104-105°; d_4^{20} ~1.335; n_D^{20} 1.495	1 lt ≈ 1.33 kg	250 ml 13.—	1 lt 45.—
Bromocyclopentane (Cyclopentyl bromide)					
16830	3/3; 42°	$\text{CH}_2(\text{CH}_2)_3\text{CHBr}$ $\text{C}_5\text{H}_9\text{Br}$ M_r 149.04 [137-43-9] purum >97%(GC); B.P. 136-139°; d_4^{20} 1.386; n_D^{20} 1.489	1 lt ≈ 1.39 kg	50 ml 15.—	250 ml 63.—
Bromocyclopropane (Cyclopropyl bromide)					
16840	3/3; 45°	$\text{CH}_2\text{CH}_2\text{CHBr}$ $\text{C}_3\text{H}_5\text{Br}$ M_r 120.98 [4333-56-6] purum >98%(GC); B.P. 69° (Lit.); d_4^{20} 1.512; n_D^{20} 1.458; store in refrigerator	1 lt ≈ 1.51 kg	5 ml 44.—	25 ml 185.—
1-Bromodecane (Decyl bromide)					
16850		$\text{CH}_3(\text{CH}_2)_9\text{Br}$ $\text{C}_{10}\text{H}_{21}\text{Br}$ M_r 221.19 [112-29-8] pract. >97%(GC); B.P. 111-113°; d_4^{20} 1.066; n_D^{20} 1.455	1 lt ≈ 1.07 kg	100 ml 8.—	500 ml 26.—
2-Bromodecanoic acid (2-Bromocapric acid)					
16860		$\text{CH}_3(\text{CH}_2)_7\text{CHBrCOOH}$ $\text{C}_{10}\text{H}_{19}\text{BrO}_2$ M_r 251.17 [2623-95-2] purum >98%(Br); B.P. 116-118°; d_4^{20} 1.210; n_D^{20} 1.471	1 lt ≈ 1.21 kg	50 ml 50.—	
5-Bromo-2'-deoxyuridine					
16880		$\text{C}_9\text{H}_{11}\text{BrN}_2\text{O}_5$ M_r 307.11 [59-14-3] puriss. >99%(Br); M.P. 193-197° dec.; $[\alpha]_{546}^{20} + 28 \pm 1^\circ$; $[\alpha]_D^{20} + 23 \pm 1^\circ$ (c = 1 in water); store in refrigerator		250 mg 14.—	1 g 50.—
Bromodichloromethane (Dichlorobromomethane)					
16895	6.1/61	BrCHCl_2 CHBrCl_2 M_r 163.83 [75-27-4] purum >97%(GC); B.P. 87-90°; d_4^{20} 1.986; n_D^{20} 1.496	1 lt ≈ 1.99 kg	10 ml 35.—	
α-Bromo-2,6-dichlorotoluene (2,6-Dichlorobenzyl bromide)					
35480	8/12	$\text{Cl}_2\text{C}_6\text{H}_3\text{CH}_2\text{Br}$ $\text{C}_7\text{H}_5\text{BrCl}_2$ M_r 239.93 [20443-98-5] purum >97%(HPLC); M.P. 54-56°; 1 g clearly soluble in 10 ml Methanol		25 g 20.—	100 g 70.—
5-Bromo-2,4-dihydroxypyrimidine see 18660 5-Bromouracil					
2-Bromo-1,4-dimethoxybenzene					
16910		$(\text{CH}_3\text{O})_2\text{C}_6\text{H}_3\text{Br}$ $\text{C}_8\text{H}_9\text{BrO}_2$ M_r 217.08 [25245-34-5] purum >98%(GC); B.P. 103-104°; d_4^{20} 1.507; n_D^{20} 1.571; An "Umpolung" reagent for quinones: M. J. Manning, P. W. Reynolds, J. S. Swenton, J. Am. Chem. Soc. 98, 5008 (1976)	1 lt ≈ 1.51 kg	5 ml 40.—	25 ml 165.—
4-Bromo-1,2-dimethoxybenzene see 18690 4-Bromoveratrole					
16920		4-Bromo-N,N-dimethylaniline purum >98(T); M.P. 53-55° $\text{BrC}_6\text{H}_4\text{N}(\text{CH}_3)_2$ $\text{C}_8\text{H}_{10}\text{BrN}$ M_r 200.08 [586-77-6]		25 g 14.—	100 g 50.—
4-Bromo-1,2-dimethylbenzene see 18750 4-Bromo-o-xylene					
1-Bromo-2,4-dimethylbenzene see 18760 4-Bromo-m-xylene					
1-Bromo-3,3-dimethyl-2-butanone see 18103 1-Bromopinacolone					
3-Bromo-4,4-dimethyl-2-oxazolidinone (NBDMO)					
16930		$\text{CH}_2\text{OCON}(\text{Br})\text{C}(\text{CH}_3)_2$ $\text{C}_5\text{H}_8\text{BrNO}_2$ M_r 194.03 [60491-95-4] purum >99%(Br); M.P. 119-121°; New brominating and oxidizing agent which has some advantages over NBS in terms of its stability and selective reactivity: J. J. Kaminski, N. Bodor, Tetrahedron 32, 1097 (1976)		10 g 25.—	50 g 100.—
1-Bromo-2,2-dimethylpropane (Neopentyl bromide)					
16940	3/1a; 9°	$(\text{CH}_3)_3\text{CCH}_2\text{Br}$ $\text{C}_5\text{H}_{11}\text{Br}$ M_r 151.05 [630-17-1] purum >97%(GC); B.P. 104-106°; d_4^{20} 1.19; n_D^{20} 1.436	1 lt ≈ 1.19 kg	5 ml 29.—	25 ml 120.—
1-Bromododecane (1-Dodecyl bromide; Lauryl bromide)					
16960		$\text{CH}_3(\text{CH}_2)_{11}\text{Br}$ $\text{C}_{12}\text{H}_{25}\text{Br}$ M_r 249.24 [143-15-7] puriss. ~99%(GC); M.P. -7--5°; B.P. 188-190°; d_4^{20} 1.035; n_D^{20} 1.458	1 lt ≈ 1.04 kg	100 ml 25.—	500 ml 105.—
16970		purum ~97%(GC); B.P. 145° (Lit.); d_4^{20} 1.04	1 lt ≈ 1.04 kg	250 ml 14.—	1 lt 50.—
16980		2-Bromododecanoic acid purum >99%(T); M.P. 30-32° (2-Bromolauric acid) $\text{CH}_3(\text{CH}_2)_9\text{CHBrCOOH}$ $\text{C}_{12}\text{H}_{23}\text{BrO}_2$ M_r 279.22 [111-56-2]		25 g 35.—	

						sFr.		sFr.
	1-Bromo-2,3-epoxypropane see 45295 Epibromohydrin							
	Bromoethane see 03150 Ethyl bromide							
	2-Bromoethanesulfonic acid Sodium salt							
16151	3/4	BrCH ₂ CH ₂ SO ₃ Na	C ₂ H ₄ BrNaO ₃ S	M _r 211.02 [4263-52-9]				
		pract. ~97%(T); Biochemistry 5, 471 (1966)				25 g 16. —	100 g 55. —	
	2-Bromoethanol (Ethylene bromohydrin)							
16140	6.1/12b	BrCH ₂ CH ₂ OH	C ₂ H ₅ BrO	M _r 124.97 [540-51-2]				
		pract. >96%(GC); B.P. ₁₀ 47°; d ₄ ²⁰ 1.761; n _D ²⁰ 1.492; store in refrigerator				1 lt ≈ 1.76 kg	100 ml 32. —	500 ml 135. —
	2-Bromoethylamine hydrobromide (2-Aminoethyl bromide hydrobromide)							
06670		BrCH ₂ CH ₂ NH ₂ .HBr	C ₂ H ₆ BrN.HBr	M _r 204.90 [2576-47-8]				
		purum >97%(Br); M.P. 172-174°				100 g 18. —	500 g 75. —	
	1-Bromo-4-ethylbenzene (4-Bromophenylethane)							
03130	6.1/62	C ₂ H ₅ C ₆ H ₄ Br	C ₈ H ₉ Br	M _r 185.07 [1585-07-5]				
		purum ~98%(GC); B.P. 203-206°; d ₄ ²⁰ 1.34; n _D ²⁰ 1.545				1 lt ≈ 1.34 kg	10 ml 20. —	50 ml 85. —
	(2-Bromoethyl)benzene (2-Phenylethyl bromide)							
77920	3/4; 96°	C ₆ H ₅ CH ₂ CH ₂ Br	C ₈ H ₉ Br	M _r 185.07 [103-63-9]				
		purum >98%(GC); B.P. ₁₁ 88-92°; d ₄ ²⁰ 1.368; n _D ²⁰ 1.556				1 lt ≈ 1.37 kg	100 ml 10. —	500 ml 40. —
	(2-Bromoethyl) chloroformate							
23170	6.1/4	ClCOOCH ₂ CH ₂ Br	C ₃ H ₄ BrClO ₂	M _r 187.43 [4801-27-8]				
		purum ~97%(Cl); B.P. ₁₁ 67-68°; d ₄ ²⁰ 1.749; n _D ²⁰ 1.478; store in refrigerator; For the introduction of the BEOC-amino protecting group which is cleaved with diluted base after modification with tert-phosphines: H. Kunz, Justus Liebigs Ann. Chem. 1674 (1976); or with fluoride ions after modification with trimethylstannyl-lithium: T.-L. Ho, Synth. Commun. 8, 359 (1978)				1 lt ≈ 1.75 kg	50 ml 60. —	
	2-(2-Bromoethyl)-1,3-dioxane (3-Bromopropionaldehyde trimethylene acetal)							
16154	3/4	BrCH ₂ CH ₂ CHOCH ₂ CH ₂ CH ₂ O	C ₆ H ₁₁ BrO ₂	M _r 195.06 [33884-43-4]				
		purum >97%(GC); B.P. ₄ 71-72°; d ₄ ²⁰ 1.431; n _D ²⁰ 1.480; Reagent for the synthesis of γ-keto aldehydes: J. C. Stowell, J. Org. Chem. 41, 560 (1976)				1 lt ≈ 1.43 kg	10 ml 20. —	50 ml 85. —
	2-(2-Bromoethyl)-1,3-dioxolane (3-Bromopropionaldehyde ethylene acetal)							
16156	3/4; -65°	QCH ₂ CH ₂ OCHCH ₂ CH ₂ Br	C ₅ H ₉ BrO ₂	M _r 181.09 [18742-02-4]				
		purum >98%(Br); B.P. ₂₀ 78-80°; d ₄ ²⁰ 1.542; n _D ²⁰ 1.484; store in refrigerator				1 lt ≈ 1.54 kg	10 ml 20. —	50 ml 85. —
	Bromoethylene see 94915 Vinyl bromide							
	2-Bromoethyl phenyl ether see 16160 β-Bromophenetole							
16170		N-(2-Bromoethyl)phthalimide purum >97%(Br); M.P. 81-83°; Ash <0.1% BrCH ₂ CH ₂ NCOCC ₆ H ₄ CO				25 g 17. —	100 g 60. —	
		C ₁₀ H ₈ BrNO ₂	M _r 254.09 [574-98-1]					
17100		9-Bromofluorene purum >98%(Br); M.P. 101-104° 6.1/2.3 C ₆ H ₄ CHBrC ₆ H ₄				10 g 22. —	50 g 90. —	
		C ₁₃ H ₉ Br	M _r 245.13 [1940-57-4]					
	2-Bromofluorobenzene							
17060	3/3; 48°	BrC ₆ H ₄ F	C ₆ H ₄ BrF	M _r 175.01 [1072-85-1]				
		purum ~97%(GC); B.P. ₅₀ 78-82°; d ₄ ²⁰ 1.614; n _D ²⁰ 1.534				1 lt ≈ 1.61 kg	10 ml 28. —	50 ml 120. —
	3-Bromofluorobenzene							
17070	3/3; 46°	BrC ₆ H ₄ F	C ₆ H ₄ BrF	M _r 175.01 [1073-06-9]				
		purum >98%(GC); B.P. ₈₀ 77-79°; d ₄ ²⁰ 1.593; n _D ²⁰ 1.527				1 lt ≈ 1.60 kg	5 ml 12. —	25 ml 50. —
	4-Bromofluorobenzene							
17080	3/3; 53°	BrC ₆ H ₄ F	C ₆ H ₄ BrF	M _r 175.01 [460-00-4]				
		purum >97%(GC); B.P. 152-155°; d ₄ ²⁰ 1.606; n _D ²⁰ 1.526				1 lt ≈ 1.61 kg	25 ml 8. —	100 ml 25. — 250 ml 55. —
	α-Bromo-4-fluorotoluene see 46800 4-Fluorobenzyl bromide							
	Bromoform (Tribromomethane)							
17880	6.1/61	CHBr ₃	M _r 252.75 [75-25-2]					
		purum ~97%(GC); stab. with 1% Ethanol; M.P. 5-8°; d ₄ ²⁰ 2.82				1 lt ≈ 2.82 kg	100 ml 13. —	500 ml 46. —

				sFr.	sFr.
17210	1-Bromoheptadecane (Heptadecyl bromide) $\text{CH}_3(\text{CH}_2)_{16}\text{Br}$ $\text{C}_{17}\text{H}_{35}\text{Br}$ M_r 319.38 [3508-00-7] purum >97%(GC); M.P. 29-32°; B.P. _{0.1} 126-128°			25 g 20.—	100 g 85.—
17220	1-Bromoheptane (Heptyl bromide) 3/4; 65° $\text{CH}_3(\text{CH}_2)_6\text{Br}$ $\text{C}_7\text{H}_{15}\text{Br}$ M_r 179.11 [629-04-9] purum >99%(GC); B.P. _{0.1} 66-68°; d_4^{20} 1.139; n_D^{20} 1.451	1 lt ≈ 1.14 kg	250 ml 20.—	1 lt 70.—	
17230	2-Bromoheptane purum >98%(GC); B.P. 165-167°(Lit.); d_4^{20} 1.13; n_D^{20} 1.447 3/3; 54° $\text{CH}_3(\text{CH}_2)_4\text{CHBrCH}_3$ $\text{C}_7\text{H}_{15}\text{Br}$ M_r 179.11 [1974-04-5]	1 lt ≈ 1.13 kg	50 ml 34.—		
17280	1-Bromohexadecane (Cetyl bromide; Hexadecyl bromide) $\text{CH}_3(\text{CH}_2)_{15}\text{Br}$ $\text{C}_{16}\text{H}_{33}\text{Br}$ M_r 305.35 [112-82-3] purum >98%(GC); M.P. 16-18°; B.P. _{0.1} 122-124°; d_4^{20} 1.00; n_D^{20} 1.462	1 lt ≈ 1.00 kg	250 ml 14.—	1 lt 50.—	
17300	2-Bromohexadecanoic acid (2-Bromopalmitic acid) $\text{CH}_3(\text{CH}_2)_{13}\text{CHBrCOOH}$ $\text{C}_{16}\text{H}_{31}\text{BrO}_2$ M_r 335.33 [18263-25-7] purum >97%(GC); M.P. 51-53°		50 g 26.—	250 g 110.—	
17320	1-Bromohexane (Hexyl bromide) 3/3; 36° $\text{CH}_3(\text{CH}_2)_5\text{Br}$ $\text{C}_6\text{H}_{13}\text{Br}$ M_r 165.08 [111-25-1] purum >98%(GC); B.P. 154-156°; d_4^{20} 1.175; n_D^{20} 1.448	1 lt ≈ 1.18 kg	250 ml 12.—	1 lt 40.—	
17340	3-Bromohexane purum 3/3; 46° $\text{CH}_3\text{CH}_2\text{CH}_2\text{CHBrCH}_2\text{CH}_3$ $\text{C}_6\text{H}_{13}\text{Br}$ M_r 165.08 [3377-87-5]	1 lt ≈ 1.17 kg	25 ml 23.—		
	2-Bromohexanoic acid see 16591 2-Bromocaproic acid				
	6-Bromohexanoic acid see 16594 6-Bromocaproic acid				
17341	6-Bromo-1-hexene 3/3; 54° $\text{Br}(\text{CH}_2)_4\text{CH}:\text{CH}_2$ $\text{C}_6\text{H}_{11}\text{Br}$ M_r 163.06 [2695-47-8] pract. ~95%(GC); B.P. _{0.1} 43-44°; d_4^{20} 1.219; n_D^{20} 1.466; contains also 6-Bromo-2-hexene (cis + trans)	1 lt ≈ 1.22 kg	5 ml 24.—	25 ml 100.—	
	5-Bromo-2-hydroxybenzoic acid see 18302 5-Bromosalicylic acid				
	2-Bromo-4-hydroxybutyric acid γ -lactone see 16560 2-Bromo-4-butyrolactone				
	3-Bromo-5-hydroxy-4-methoxybenzaldehyde see 18680 5-Bromovanillin				
17360	5-Bromoindole purum >98%(Br); M.P. 86-88° $\text{BrC}_6\text{H}_3\text{NHCH}:\text{CH}$ $\text{C}_8\text{H}_6\text{BrN}$ M_r 196.05 [10075-50-0]		10 g 40.—		
17364	5-Bromo-indole-3-carbaldehyde pract. ~95%(UV); M.P. 204-206° $\text{BrC}_6\text{H}_3\text{NHCH}:\text{CHO}$ $\text{C}_9\text{H}_6\text{BrNO}$ M_r 224.07 [877-03-2]		1 g 12.—	5 g 50.—	
17400	5-Bromoindoxyl acetate (3-Acetoxy-5-bromoindole; O-Acetyl-5-bromoindoxyl) $\text{BrC}_6\text{H}_3\text{NHCH}:\text{COCOCH}_3$ $\text{C}_{10}\text{H}_6\text{BrNO}_2$ M_r 254.09 [17357-14-1] puriss. >99%(Br); M.P. 130-132°		100 mg 10.—	500 mg 42.—	
17410	4-Bromoiodobenzene purum >97%(Br); M.P. 89-91° $\text{C}_6\text{H}_4\text{BrI}$ M_r 282.91 [589-87-7]		10 g 22.—	50 g 90.—	
17421	5-Bromoisatin pract. ~97%(Br); M.P. ~245° dec. $\text{BrC}_6\text{H}_3\text{COCONH}$ $\text{C}_8\text{H}_4\text{BrNO}_2$ M_r 226.04 [87-48-2]		100 g 16.—	500 g 67.—	
17431	α-Bromoisobutyric acid pract. >95%(GC); M.P. 44-46° $(\text{CH}_3)_2\text{CBrCOOH}$ $\text{C}_4\text{H}_7\text{BrO}_2$ M_r 167.01 [2052-01-9]		100 g 14.—	500 g 60.—	
17450	α-Bromoisobutyryl bromide 8/22 $(\text{CH}_3)_2\text{CBrCOBr}$ $\text{C}_4\text{H}_6\text{Br}_2\text{O}$ M_r 229.91 [20769-85-1] pract. >98%(Br); B.P. 162-164° (Lit.); d_4^{20} 1.86; n_D^{20} 1.507	1 lt ≈ 1.86 kg	25 ml 14.—	100 ml 50.—	
17460	α-Bromoisovaleric acid (2-Bromo-3-methylbutyric acid) 8/22 $(\text{CH}_3)_2\text{CHCHBrCOOH}$ $\text{C}_5\text{H}_9\text{BrO}_2$ M_r 181.04 [565-74-2] purum >98%(GC); M.P. 39-42°		10 g 14.—	50 g 60.—	
	2-Bromolauric acid see 16980 2-Bromododecanoic acid				
17520	4-Bromomandelic acid puriss. >99%(T); M.P. 116-118° $\text{BrC}_6\text{H}_4\text{CH}(\text{OH})\text{COOH}$ $\text{C}_8\text{H}_7\text{BrO}_3$ M_r 231.05 [6940-50-7]		10 g 22.—	50 g 90.—	
17531	Bromomesitylene (2-Bromo-1,3,5-trimethylbenzene) $(\text{CH}_3)_3\text{C}_6\text{H}_2\text{Br}$ $\text{C}_9\text{H}_{11}\text{Br}$ M_r 199.10 [536-83-0] pract. ~98%(GC); B.P. 225° (Lit.); d_4^{20} 1.324; n_D^{20} 1.552	1 lt ≈ 1.32 kg	100 ml 25.—		

			sFr.	sFr.
	Bromomethane purum ~99%(GC) (Methyl bromide) CH ₃ Br M _r 94.94 [74-83-9]			
65950		Ampoules of 20 g	1 lt ≈ 1.73 kg	20 g 18. —
65951	2/11at	Pressure tin with 250 ml, net ~430 g		250 ml 50. —
65952		Cyl. with 1 lt, net ~ 2.0 kg	650. —	(price of gas 400. —)
65954		Cyl. with 7 lt, net ~10.0 kg	800. —	(price of gas 500. —)
65955		Cyl. with 12 lt, net ~18.0 kg	1200. —	(price of gas 800. —)
65956		Cyl. with 20 lt, net ~28.0 kg	1600. —	(price of gas 1200. —)
ω-Bromo-4-methoxyacetophenone see 65140 4-Methoxyphenacyl bromide				
1-Bromo-2-methoxybenzene see 16250 2-Bromoanisole				
1-Bromo-3-methoxybenzene see 16255 3-Bromoanisole				
1-Bromo-4-methoxybenzene see 16260 4-Bromoanisole				
2-Bromo-4-methylaniline see 07160 4-Amino-3-bromotoluene				
4-Bromo-2-methylaniline see 07150 2-Amino-5-bromotoluene				
4-Bromo-3-methylaniline see 07170 5-Amino-2-bromotoluene				
4-(Bromomethyl)benzoic acid see 18520 α-Bromo-p-toluic acid				
4-(Bromomethyl)benzonitrile (α-Bromo-p-tolunitrile; 4-Cyanobenzyl bromide) 6.1/23 NCC ₆ H ₄ CH ₂ Br C ₈ H ₆ BrN M _r 196.05 [17201-43-3] 17570 purum >98%(Br); M.P. 114-117°				
			5 g 26. —	25 g 110. —
1-Bromo-3-methylbutane (Isopentyl bromide) 3/3; 32° (CH ₃) ₂ CHCH ₂ CH ₂ Br C ₅ H ₁₁ Br M _r 151.05 [107-82-4] 17610 purum >98%(GC); B.P. 118-120°; d ₄ ²⁰ 1.208; n _D ²⁰ 1.442				
		1 lt ≈ 1.21 kg	100 ml 7. —	500 ml 24. —
2-Bromo-3-methylbutyric acid see 17460 α-Bromoisovaleric acid				
1-Bromomethyl-2,6-dichlorobenzene see 35480 α-Bromo-2,6-dichlorotoluene				
(Bromomethyl)dimethylchlorosilane, BMDMCS 50° (CH ₃) ₂ Si(Cl)CH ₂ Br C ₃ H ₈ BrClSi M _r 187.64 [57991-41-0] 17615 purum ~98%(GC); B.P. 133-135°; d ₄ ²⁰ 1.386; n _D ²⁰ 1.466; Derivatizing agent for electron capture gas chromatography: K. Blau, G. S. King, "Handbook of Derivatives for Chromatography", Heyden & Sons, London (1977)				
		1 lt ≈ 1.38 kg	10 ml 18. —	
2-Bromomethyl-1,3-dioxolane (Bromoacetaldehyde ethylene acetal) 3/4; ~65° OCH ₂ CH ₂ OCHCH ₂ Br C ₄ H ₇ BrO ₂ M _r 167.01 [4360-63-8] 17618 purum ~97%(Br); B.P. ~65-67°; d ₄ ²⁰ 1.613; n _D ²⁰ 1.479; Useful synthon for the preparation of α,β-unsaturated aldehydes; T.M. Cresp, M.V. Sargent, P. Vogel, J. Chem. Soc. Perkin I, 39 (1974); Synthon, for the preparation of 1,4-dialdehyde monoacetals: J. F. Le Borgne, Th. Cuvigny, M. Louchevêque, H. Normant, Tetrahedron Lett. 1379 (1976)				
		1 lt ≈ 1.61 kg	25 ml 21. —	100 ml 75. —
1-Bromomethyl-4-fluorobenzene see 46800 4-Fluorobenzyl bromide				
4-Bromomethyl-7-methoxycoumarin CH ₃ OC ₆ H ₃ OCOCH ₂ CH ₂ Br C ₁₁ H ₉ BrO ₃ M _r 269.10 [35231-44-8] 17623 purum >98%(Br); M.P. 206-208°; "Fluorescent label for fatty acids": W. Dünge, Anal. Chem. 49, 442 (1977)				
			1 g 25. —	5 g 105. —
17627	1-Bromo-4-methylnaphthalene purum	1 lt ≈ 1.45 kg	10 ml 25. —	50 ml 105. —
	BrC ₁₀ H ₆ CH ₃ C ₁₁ H ₉ Br M _r 221.10 [6627-78-7]			
2-Bromomethyl-4-nitroanisole see 65135 2-Methoxy-5-nitrobenzyl bromide				
2-Bromomethyl-4-nitrophenol see 56011 2-Hydroxy-5-nitrobenzyl bromide				
(Bromomethyl)pentafluorobenzene see 17910 α-Bromo-2,3,4,5,6-pentafluorotoluene				
1-Bromo-2-methylpropane see 58510 Isobutyl bromide				
2-Bromo-2-methylpropane (tert-Butyl bromide) 3/1a; 16° (CH ₃) ₃ CBr C ₄ H ₉ Br M _r 137.03 [507-19-7] 19700 puriss. ~99%(GC); M.P. -15--13°; B.P. 71-73°; d ₄ ²⁰ 1.217; n _D ²⁰ 1.428				
		1 lt ≈ 1.22 kg	100 ml 10. —	500 ml 40. —
(Bromomethyl)triphenylphosphonium bromide BrCH ₂ P(Br)(C ₆ H ₅) ₃ C ₁₉ H ₁₇ Br ₂ P M _r 436.14 [1034-49-7] 17626 purum >97%(Br); M.P. 234-236°				
			10 g 25. —	50 g 105. —

					sFr.	sFr.
	2-Bromomyristic acid see 18400 Bromotetradecanoic acid					
17628	1-Bromo-2-naphthaldehyde pract.				1 g 32. —	5 g 135. —
	6.1/23	$\text{BrC}_{10}\text{H}_6\text{CHO}$	$\text{C}_{11}\text{H}_7\text{BrO}$	M_r 235.09 [3378-82-3]		
	1-Bromonaphthalene					
		$\text{C}_{10}\text{H}_7\text{Br}$	M_r 207.08	[90-11-9]		
17630		purum ~98% (GC); M.P. 4-5°; d_4^{20} 1.483; n_D^{20} 1.657			1 lt ≈ 1.48 kg	100 ml 14. —
17640		pract. >95% (GC); B.P. ₁₀ 132-136°; d_4^{20} 1.48; n_D^{20} 1.657; Cl <1.5%			1 lt ≈ 1.48 kg	100 ml 10. —
						500 ml 60. —
						500 ml 42. —
17660	2-Bromonaphthalene purum >97% (GC); M.P. 55-57°				5 g 24. —	25 g 100. —
		$\text{C}_{10}\text{H}_7\text{Br}$	M_r 207.08	[580-13-2]		
17662	6-Bromo-2-naphthol pract.				25 g 23. —	100 g 85. —
	6.1/22	$\text{BrC}_{10}\text{H}_6\text{OH}$	$\text{C}_{10}\text{H}_7\text{BrO}$	M_r 223.08 [15231-91-1]		
	6-Bromo-2-naphthyl-α-D-galactopyranoside					
		$\text{QCH}(\text{CH}_2\text{OH})(\text{CHOH})_3\text{CHOC}_{10}\text{H}_6\text{Br}$	$\text{C}_{16}\text{H}_{17}\text{BrO}_6$	M_r 385.22 [25997-59-5]		
17663		purum; store in refrigerator; Chromogenic substrate for α-galactosidase (EC 3.2.1.22); A. H. Rutenberg et al., J. Histochem. Cytochem. 8, 268 (1960)			100 mg 25. —	
	6-Bromo-2-naphthyl-β-D-galactopyranoside					
		$\text{QCH}(\text{CH}_2\text{OH})(\text{CHOH})_3\text{CHOC}_{10}\text{H}_6\text{Br}$	$\text{C}_{16}\text{H}_{17}\text{BrO}_6$	M_r 385.22 [15572-30-2]		
17664		purum M.P. 213-216°; $[\alpha]_{546}^{20} -53 \pm 2^\circ$; $[\alpha]_D^{20} -45 \pm 2^\circ$ (c = 1 in Pyridine); store in refrigerator			250 mg 24. —	1 g 90. —
	6-Bromo-2-naphthyl-β-D-glucopyranoside					
		$\text{QCH}(\text{CH}_2\text{OH})(\text{CHOH})_3\text{CHOC}_{10}\text{H}_6\text{Br}$	$\text{C}_{16}\text{H}_{17}\text{BrO}_6$	M_r 385.22 [15548-61-5]		
17666		purum >98% (Br); M.P. ~210° dec.; $[\alpha]_{546}^{20} -42.5 \pm 1^\circ$; $[\alpha]_D^{20} -36.0 \pm 1^\circ$ (c = 5 in Pyridine)			250 mg 24. —	1 g 90. —
	ω-Bromo-4-nitroacetophenone (4-Nitrophenacyl bromide)					
	6.1/23c	$\text{NO}_2\text{C}_6\text{H}_4\text{COCH}_2\text{Br}$	$\text{C}_8\text{H}_6\text{BrNO}_3$	M_r 244.05 [99-81-0]		
17670		pract. >95% (Br); M.P. 94-96°			50 g 34. —	250 g 145. —
17680	2-Bromo-4-nitroaniline pract. M.P. 101-103°				100 g 38. —	
	6.121f	$\text{NO}_2\text{C}_6\text{H}_3\text{BrNH}_2$	$\text{C}_6\text{H}_5\text{BrN}_2\text{O}_2$	M_r 217.03 [13296-94-1]		
17690	1-Bromo-2-nitrobenzene purum >97% (HPLC); M.P. 40-42°				100 g 38. —	500 g 160. —
	6.1/21	$\text{BrC}_6\text{H}_4\text{NO}_2$	$\text{C}_6\text{H}_4\text{BrNO}_2$	M_r 202.01 [577-19-5]		
	1-Bromo-3-nitrobenzene					
	6.1/21	$\text{BrC}_6\text{H}_4\text{NO}_2$	$\text{C}_6\text{H}_4\text{BrNO}_2$	M_r 202.01 [585-79-5]		
17700		purum >98% (HPLC); M.P. 54-56°			25 g 14. —	100 g 50. —
17710		pract. >95% (HPLC); M.P. 50-53°			100 g 30. —	
17720	1-Bromo-4-nitrobenzene purum >98% (HPLC); M.P. 124-126°				25 g 10. —	100 g 35. —
	6.1/21	$\text{BrC}_6\text{H}_4\text{NO}_2$	$\text{C}_6\text{H}_4\text{BrNO}_2$	M_r 202.01 [586-78-7]		
17730	2-Bromo-4-nitrotoluene purum >97% (Br); M.P. 76-78°				50 g 32. —	
		$\text{CH}_3\text{C}_6\text{H}_3\text{BrNO}_2$	$\text{C}_7\text{H}_5\text{BrNO}_2$	M_r 216.04 [7745-93-9]		
	α-Bromo-4-nitro-o-cresol see 56011 2-Hydroxy-5-nitrobenzyl bromide					
	α-Bromo-4-nitrotoluene see 73170 4-Nitrobenzyl bromide					
	1-Bromononane (Nonyl bromide)					
	3/4; 90°	$\text{CH}_3(\text{CH}_2)_8\text{Br}$	$\text{C}_9\text{H}_{19}\text{Br}$	M_r 207.16 [693-58-3]		
17740		purum >98% (GC); B.P. ₁₀ 86-88°; d_4^{20} 1.088; n_D^{20} 1.454			1 lt ≈ 1.09 kg	100 ml 32. —
	1-Bromooctadecane (Octadecyl bromide; Stearyl bromide)					
		$\text{CH}_3(\text{CH}_2)_{17}\text{Br}$	$\text{C}_{18}\text{H}_{37}\text{Br}$	M_r 333.40 [112-89-0]		
17770		purum >97% (GC); M.P. 26-28°; B.P. _{0.1} 150-152°; store in refrigerator			100 g 18. —	500 g 75. —
	1-Bromooctane (Octyl bromide)					
	3/4; 80°	$\text{CH}_3(\text{CH}_2)_7\text{Br}$	$\text{C}_8\text{H}_{17}\text{Br}$	M_r 193.13 [111-83-1]		
17810		purum >98% (GC); B.P. ₁₁ 79-81°; d_4^{20} 1.11; n_D^{20} 1.453			1 lt ≈ 1.11 kg	250 ml 12. —
						1 lt 40. —
	2-Bromo-octanoic acid (2-Bromo-caprylic acid)					
		$\text{CH}_3(\text{CH}_2)_5\text{CHBrCOOH}$	$\text{C}_8\text{H}_{15}\text{BrO}_2$	M_r 223.12 [2623-82-7]		
17860		purum >98% (GC); B.P. _{0.09} 118-121°; d_4^{20} 1.28; n_D^{20} 1.469			1 lt ≈ 1.28 kg	25 ml 16. —
	3-Bromo-2-oxopropionic acid see 16490 Bromopyruvic acid					
	2-Bromopalmitic acid see 17300 2-Bromohexadecanoic acid					

sFr.

sFr

1-Bromopentadecane (Pentadecyl bromide) $\text{CH}_3(\text{CH}_2)_{14}\text{Br}$ $\text{C}_{15}\text{H}_{31}\text{Br}$ M_r 291.32 [629-72-1]17890 purum >98%(GC); M.P. 17-19°; B.P. 135-137°; d_4^{20} 1.008;
 n_D^{20} 1.4611 lt $\approx$ 1.01 kg

10 ml 18. —

50 ml 75. —

Bromopentafluorobenzene6.1/23 C_6BrF_5 M_r 246.97 [344-04-7]17900 purum >98%(GC); B.P. 138-140°; d_4^{20} 1.94; n_D^{20} 1.4491 lt $\approx$ 1.94 kg

5 ml 34. —

 α -Bromo-2,3,4,5,6-pentafluorotoluene [(Bromomethyl)pentafluorobenzene;

6.1/23 2,3,4,5,6-Pentafluorobenzyl bromide]

 $\text{C}_6\text{F}_5\text{CH}_2\text{Br}$ $\text{C}_7\text{H}_2\text{BrF}_5$ M_r 261.00 [1765-40-8]17910 purum >98%(GC); B.P. 173-176°; d_4^{20} 1.847; n_D^{20} 1.471; Derivatizing agent for
electron capture gas chromatography: K. Blau, G. S. King, "Handbook of
Derivatives for Chromatography", Heyden & Sons, London (1977)

1 g 10. —

5 g 42. —

1-Bromopentane (Pentyl bromide)3/3; 32° $\text{CH}_3(\text{CH}_2)_4\text{Br}$ $\text{C}_5\text{H}_{11}\text{Br}$ M_r 151.05 [110-53-2]17920 purum >98%(GC); B.P. 127-129°; d_4^{20} 1.213; n_D^{20} 1.4441 lt $\approx$ 1.21 kg

100 ml 9. —

500 ml 34. —

2-Bromopentane3/1a; 17° $\text{CH}_3\text{CH}_2\text{CH}_2\text{CHBrCH}_3$ $\text{C}_5\text{H}_{11}\text{Br}$ M_r 151.05 [107-81-3]17939 purum >98%(GC); B.P. 117-118°; d_4^{20} 1.204; n_D^{20} 1.4411 lt $\approx$ 1.20 kg

100 ml 25. —

17940 techn. $\sim$ 70%(GC) + $\sim$ 30% 3-Bromopentane1 lt $\approx$ 1.20 kg

1 lt 40. —

3-Bromopentane3/1a; 19° $(\text{C}_2\text{H}_5)_2\text{CHBr}$ $\text{C}_5\text{H}_{11}\text{Br}$ M_r 151.05 [1809-10-5]17950 techn. $\sim$ 80%(GC) + $\sim$ 20% 2-Bromopentane; B.P. 126° (Lit.)1 lt $\approx$ 1.21 kg

50 ml 29. —

17960 **5-Bromo-1-pentene** purum $\sim$ 98%(GC); d_4^{20} 1.26; n_D^{20} 1.4631 lt $\approx$ 1.26 kg

5 ml 24. —

25 ml 100. —

3/3; 30° $\text{Br}(\text{CH}_2)_3\text{CH}:\text{CH}_2$ $\text{C}_5\text{H}_9\text{Br}$ M_r 149.04 [1119-51-3]**5-Bromopentyl acetate** $\text{CH}_3\text{COOCH}_2(\text{CH}_2)_3\text{CH}_2\text{Br}$ $\text{C}_7\text{H}_{13}\text{BrO}_2$ M_r 209.09 [15848-22-3]45858 purum >98%(GC); B.P. 231-233°; d_4^{20} 1.312; n_D^{20} 1.4611 lt $\approx$ 1.31 kg

10 ml 15. —

50 ml 63. —

4-Bromophenacyl bromide (4, ω -Dibromoacetophenone)6.1/23c $\text{BrC}_6\text{H}_4\text{COCH}_2\text{Br}$ $\text{C}_8\text{H}_6\text{Br}_2\text{O}$ M_r 277.95 [99-73-0]17970 puriss. p.a. $\sim$ 99%(Br); M.P. 108-110°

10 g 14. —

50 g 55. —

17980 **9-Bromophenanthrene** pract. >97%(UV); M.P. 64-66° $\text{C}_9\text{H}_6\text{C}_6\text{H}_4\text{CH}:\text{CBr}$ $\text{C}_{14}\text{H}_8\text{Br}$ M_r 257.14 [573-17-1]

10 g 16. —

50 g 67. —

16160 **β -Bromophenetole** pract. >97%(GC); M.P. 31-34° (2-Bromoethyl phenyl ether) $\text{C}_6\text{H}_5\text{OCH}_2\text{CH}_2\text{Br}$ $\text{C}_8\text{H}_9\text{BrO}$ M_r 201.07 [589-10-6]

100 g 15. —

500 g 63. —

2-Bromophenol6.1/81b $\text{BrC}_6\text{H}_4\text{OH}$ $\text{C}_6\text{H}_5\text{BrO}$ M_r 173.02 [95-56-7]17990 purum >98%(GC); M.P. 3-7°; B.P. 195-196°; d_4^{20} 1.63; n_D^{20} 1.5881 lt $\approx$ 1.63 kg

25 ml 26. —

100 ml 95. —

18000 **3-Bromophenol** purum >98%(GC); M.P. 28-30°; store in refrigerator6.1/81b $\text{BrC}_6\text{H}_4\text{OH}$ $\text{C}_6\text{H}_5\text{BrO}$ M_r 173.02 [591-20-8]

10 g 20. —

50 g 85. —

4-Bromophenol6.1/81b $\text{BrC}_6\text{H}_4\text{OH}$ $\text{C}_6\text{H}_5\text{BrO}$ M_r 173.02 [106-41-2]

18010 puriss. >99%(GC); M.P. 62-64°

25 g 14. —

100 g 50. —

18020 pract. >97%(GC); M.P. 58-62°

250 g 29. —

1 kg 105. —

Bromophenol Blue (3',3'',5',5''-Tetrabromophenolsulfonphthalein) $\text{C}_6\text{H}_4\text{SO}_2\text{OC}(\text{C}_6\text{H}_2-3,5-\text{Br}_2-4-\text{OH})_2$ $\text{C}_{19}\text{H}_{10}\text{Br}_4\text{O}_5\text{S}$ M_r 669.99 [115-39-9]18030 Standard Fluka Indicator pH 3.0-4.6 for Microscopy (Hist.);
Ads.-Indicator

1 g 7. —

10 g 11. —

50 g 44. —

Bromophenol Blue Sodium salt (3',3'',5',5''-Tetrabromophenolsulfonphthalein Sodium salt) $\text{NaO}_3\text{SC}_6\text{H}_4\text{C}(\text{C}_6\text{H}_2-3,5-\text{Br}_2-4-\text{OH})_2\text{C}_6\text{H}_2-3,5-\text{Br}_2-4-\text{O}$ $\text{C}_{19}\text{H}_9\text{Br}_4\text{NaO}_5\text{S}$
 M_r 691.97 [33551-92-7]

18040 Standard Fluka Indicator pH 3.0-4.6

1 g 7. —

10 g 12. —

50 g 50. —

Bromophenol Red (5',5''-Dibromophenolsulfonphthalein) $\text{C}_6\text{H}_4\text{SO}_2\text{OC}(\text{C}_6\text{H}_3-4-\text{OH}-5-\text{Br})_2$ $\text{C}_{19}\text{H}_{12}\text{Br}_2\text{O}_5\text{S}$ M_r 512.19 [2800-80-8]

18050 Standard Fluka Indicator pH 5.2-6.8

1 g 7. —

5 g 20. —

25 g 85. —

 ω -Bromo-4-phenylacetophenone see 78910 4-Phenylphenacyl bromide

					sFr.	sFr.
18060	N-(3-Bromophenyl)diethanolamine purum >99%(NT); M.P. 105-107° $\text{BrC}_6\text{H}_4\text{N}(\text{CH}_2\text{CH}_2\text{OH})_2$ $\text{C}_{10}\text{H}_{14}\text{BrNO}_2$ M_r 260.14 [62143-14-0]				10 g 25. —	50 g 105. —
	4-Bromophenylethane see 03130 1-Bromo-4-ethylbenzene					
	4-Bromophenyl ether see 14553 Bis(4-bromophenyl) ether					
	1-Bromo-2-phenylethylene see 18340 β -Bromostyrene (cis + trans)					
	4-Bromophenylhydrazine hydrochloride $\text{BrC}_6\text{H}_4\text{NHNH}_2\cdot\text{HCl}$ $\text{C}_6\text{H}_7\text{BrN}_2\cdot\text{HCl}$ M_r 223.51 [41931-18-4]					
18070	puriss. p.a. >99%(Cl); M.P. 220-230° dec.; Ash <0.05%				10 g 22. —	50 g 90. —
18071	4-Bromophenyl isothiocyanate purum >98%(Br); M.P. 56-58° 6.1/21 $\text{BrC}_6\text{H}_4\text{NCS}$ $\text{C}_7\text{H}_4\text{BrNS}$ M_r 214.09 [2493-02-9]				10 g 55. —	
	1-Bromo-3-phenylpropane [(3-Bromopropyl)benzene; 3-Phenylpropyl bromide] 8/22 $\text{C}_6\text{H}_5(\text{CH}_2)_3\text{Br}$ $\text{C}_9\text{H}_{11}\text{Br}$ M_r 199.10 [637-59-2]					
79020	purum >98%(GC); B.P., 109° (Lit.); d_4^{20} 1.309; n_D^{20} 1.545	1 lt $\approx$ 1.31 kg	50 ml 12. —	250 ml 50. —		
	3-Bromo-1-phenyl-1-propene (Cinnamyl bromide; 3-Phenylallyl bromide) $\text{C}_6\text{H}_5\text{CH}:\text{CHCH}_2\text{Br}$ $\text{C}_9\text{H}_9\text{Br}$ M_r 197.08 [4392-24-9]					
18080	purum >98%(Br); M.P. 27-29°; store in refrigerator		25 g 29. —	100 g 105. —		
	1-Bromopinacoline (1-Bromo-3,3-dimethyl-2-butanone) 3/3; 45° $(\text{CH}_3)_3\text{CCOCH}_2\text{Br}$ $\text{C}_6\text{H}_{11}\text{BrO}$ M_r 179.06 [5496-26-1]					
18103	purum $\sim$ 99%(GC); B.P. 188-194°; d_4^{20} 1.331; n_D^{20} 1.466; lachrimatory gas	1 lt $\approx$.33 kg	10 ml 30. —	50 ml 125. —		
	1-Bromopropane (Propyl bromide) 6.1/12 $\text{CH}_3\text{CH}_2\text{CH}_2\text{Br}$ $\text{C}_3\text{H}_7\text{Br}$ M_r 123.01 [106-94-5]					
82140	purum >98%(GC); B.P. 70-71°; d_4^{20} 1.352; n_D^{20} 1.434	1 lt $\approx$ 1.35 kg	250 ml 13. —	1 lt 45. —		
	2-Bromopropane (Isopropyl bromide) 3/1a; <-21° $(\text{CH}_3)_2\text{CHBr}$ $\text{C}_3\text{H}_7\text{Br}$ M_r 123.00 [75-26-3]					
59370	purum >99%(GC); B.P. 58-60°; d_4^{20} 1.311; n_D^{20} 1.425	1 lt $\approx$ 1.31 kg	250 ml 13. —	1 lt 45. —		
	3-Bromo-1,2-propanediol 8/21 $\text{CH}_2\text{BrCHOHCH}_2\text{OH}$ $\text{C}_3\text{H}_7\text{BrO}_2$ M_r 155.00 [4704-77-2]					
18105	purum >98%(GC); B.P., 72-75°; d_4^{20} 1.771; n_D^{20} 1.518; store in refrigerator; Protecting group reagent for carbonyl functions. The bromomethylethylene ketals can be cleaved under neutral conditions: E. J. Corey, R. A. Ruden, J. Org. Chem. 38, 834 (1973)	1 lt $\approx$ 1.77 kg	25 ml 40. —	100 ml 145. —		
18110	1-Bromo-2-propanol techn. $\sim$ 70%(GC); B.P. 146-150°; d_4^{20} 1.53 3/3; 43° $\text{CH}_3\text{CH}(\text{OH})\text{CH}_2\text{Br}$ $\text{C}_3\text{H}_7\text{BrO}$ M_r 139.00 [19686-73-6]		10 ml 10. —	50 ml 42. —		
	3-Bromo-1-propanol (Trimethylene bromohydrin) 3/4; 65° $\text{Br}(\text{CH}_2)_3\text{OH}$ $\text{C}_3\text{H}_7\text{BrO}$ M_r 139.00 [627-18-9]					
18119	purum >97%(GC); B.P., 70°; d_4^{20} 1.599; n_D^{20} 1.485; may also contain traces of 1,3-Dibromopropane; store in refrigerator	1 lt $\approx$ 1.60 kg	5 ml 20. —	25 ml 85. —		
18120	techn. $\sim$ 90%(GC); B.P., 71-73°; d_4^{20} 1.61; n_D^{20} 1.488; store in refrigerator	1 lt $\approx$ 1.61 kg	25 ml 22. —	100 ml 80. —		
	1-Bromo-2-propanone see 16101 Bromoacetone					
	1-Bromo-1-propene (cis + trans) 6.1/23 $\text{CH}_3\text{CH}:\text{CHBr}$ $\text{C}_3\text{H}_5\text{Br}$ M_r 120.98 [590-14-7]					
18129	purum >98%(GC); B.P. 60°; d_4^{20} 1.420; n_D^{20} 1.454	1 lt $\approx$ 1.42 kg	10 ml 14. —	50 ml 60. —		
18130	techn. $\sim$ 90%(GC); also containing $\sim$ 10% 2-Bromo-1-propene	1 lt $\approx$ 1.42 kg	10 ml 8. —	50 ml 29. —		
	2-Bromopropene 6.1/23 $\text{CH}_3\text{CBr}:\text{CH}_2$ $\text{C}_3\text{H}_5\text{Br}$ M_r 120.98 [557-93-7]					
18140	purum >99%(GC); B.P. 48-50°; d_4^{20} 1.386; n_D^{20} 1.444; store in refrigerator	1 lt $\approx$ 1.39 kg	10 ml 30. —	50 ml 125. —		
	3-Bromo-1-propene see 05860 Allyl bromide					
	3-Bromopropionaldehyde ethylene and trimethylene acetal see 16154 and 16156 2-(2-Bromoethyl)-1,3-dioxolane and -1,3-dioxane					
18170	2-Bromopropionic acid pract. $\sim$ 97%(GC); M.P. 10-18°; n_D^{20} 1.475 8/21d $\text{CH}_3\text{CHBrCOOH}$ $\text{C}_3\text{H}_5\text{BrO}_2$ M_r 152.98 [598-72-1]	1 lt $\approx$ 1.70 kg	250 ml 18. —	1 lt 65. —		

				sFr.	sFr.
3-Bromopropionic acid					
8/21d	BrCH ₂ CH ₂ COOH	C ₃ H ₅ BrO ₂	M _r 152.98 [590-92-1]		
18180	puriss. ~98%(GC); M.P. 60-62°; 1 g clearly and colourless soluble in 10 ml water			25 g 11. —	100 g 35. —
18182	pract. ~95%(GC); M.P. 54-58°			250 g 22. —	
3-Bromopropionitrile purum >99%(GC); B.P. ₁₁ 80-82°; d ₄ ²⁰ 1.62					
6.1/2b	BrCH ₂ CH ₂ CN	C ₃ H ₄ BrN	M _r 133.98 [2417-90-5]	1 lt ≈ 1.62 kg	25 ml 12. — 100 ml 40. —
2-Bromopropionyl bromide					
8/21d	CH ₃ CHBrCOBr	C ₃ H ₄ Br ₂ O	M _r 215.88 [563-76-8]		
18210	pract. ~95%(Br); d ₄ ²⁰ 2.04; n _D ²⁰ 1.520; containing 4-5% 2-Bromopropionyl chloride			1 lt ≈ 2.04 kg	100 ml 20. — 500 ml 85. —
α-Bromopropiophenone					
6.1/61	C ₆ H ₅ COCHBrCH ₃	C ₉ H ₉ BrO	M _r 213.08 [2144-00-3]		
18231	pract. 90-95%(GC); B.P. 245-250° (Lit.); d ₄ ²⁰ 1.427; n _D ²⁰ 1.571; lachrymater			1 lt ≈ 1.43 kg	100 ml 18. — 500 ml 75. —
(3-Bromopropyl)benzene see 79020 1-Bromo-3-phenylpropane					
3-Bromopropyl phenyl ether see 77770 3-Phenoxypropyl bromide					
N-(3-Bromopropyl)phthalimide purum >97%(Br); M.P. 72-74°				25 g 17. —	100 g 60. —
18260	ClOC ₆ H ₄ CON(CH ₂) ₃ Br	C ₁₁ H ₁₀ BrNO ₂	M _r 268.12 [5460-29-7]		
3-Bromo-1-propyne see 81830 Propargyl bromide					
2-Bromopyridine					
6.1/12	N:CB _r CH:CHCH:CH	C ₅ H ₄ BrN	M _r 158.00 [109-04-6]		
18270	pract. >98%(GC); B.P. ₁₀ 70-75°; d ₄ ²⁰ 1.62; n _D ²⁰ 1.57			1 lt ≈ 1.62 kg	25 ml 17. — 100 ml 60. —
3-Bromopyridine					
6.1/12	N:CHCBr:CHCH:CH	C ₅ H ₄ BrN	M _r 158.00 [626-55-1]		
18280	pract. >97%(GC); B.P. 170-174°; d ₄ ²⁰ 1.61; n _D ²⁰ 1.57			1 lt ≈ 1.61 kg	10 ml 22. — 50 ml 90. —
4-Bromopyridine hydrochloride purum >98%(Cl); M.P. ~275° dec.				10 g 32. —	50 g 135. —
6.1/23	N:CHCH:CB _r CH:CH.HCl	C ₅ H ₄ BrN.HCl	M _r 194.46 [19524-06-2]		
Bromopyrogallol Red					
	2-HOSO ₂ C ₆ H ₄ C[C ₆ H-5-Br-2,3,4-(OH) ₃]:C ₆ H-5-Br-2,3-(OH) ₂ -4:O C ₁₉ H ₁₂ Br ₂ O ₉ S				
	M _r 576.17 [16574-43-9]				
18300	Standard Fluka; Indicator for Complexometry: Bi, Cd, Co, Mg, Mn, Ni and rare earths; Collect. 21, 1257, 1599 (1956); M.P. >300°; Ash <0.3%			1 g 10. —	5 g 40. —
Bromopyruvic acid (3-Bromo-2-oxopropionic acid)					
	BrCH ₂ COCO ₂ H	C ₃ H ₃ BrO ₃	M _r 166.96 [1113-59-3]		
16490	purum >97%(T); M.P. 78-82°; may also contain traces of Dibromopyruvic acid; store in refrigerator			10 g 15. —	50 g 63. — 500 g 400. —
3-Bromoquinoline					
6.1/23a	C ₈ H ₆ CH:CB _r CH:N	C ₉ H ₆ BrN	M _r 208.06 [5332-24-1]		
16610	pract. ~97%(GC); M.P. 14-16°; B.P. ₁₀ 140-143°; d ₄ ²⁰ 1.56; n _D ²⁰ 1.668			1 lt ≈ 1.56 kg	10 ml 30. —
5-Bromosalicylic acid (5-Bromo-2-hydroxybenzoic acid)					
	HOC ₆ H ₃ BrCOOH	C ₇ H ₅ BrO ₃	M _r 217.02 [89-55-4]		
18302	purum >98%(T); M.P. 165-167°; 1 g clearly soluble in 10 ml Methanol; Ash <0.05%			100 g 12. —	500 g 50. —
β-Bromostyrene (cis + trans) (1-Bromo-2-phenyl-ethylene)					
6.1/61	C ₆ H ₅ CH:CHBr	C ₈ H ₇ Br	M _r 183.05 [103-64-0]		
18340	pract. 85%(GC); containing up to 15% cis; B.P. 219-221°; d ₄ ²⁰ 1.43; n _D ²⁰ 1.608; store in refrigerator			1 lt ≈ 1.43 kg	50 ml 15. — 250 ml 63. —
2-Bromostyrene					
6.1/61	BrC ₆ H ₄ CH:CH ₂	C ₈ H ₇ Br	M _r 183.05 [2039-88-5]		
18310	purum >98%(GC); B.P. ₂₂ 102-104° (Lit.); d ₄ ²⁰ 1.420; n _D ²⁰ 1.593; stab. with 0.05% 4-tert-Butylpyrocatechol; store in refrigerator			1 lt ≈ 1.42 kg	1 ml 10. — 10 ml 75. —
4-Bromostyrene					
6.1/61	BrC ₆ H ₄ CH:CH ₂	C ₈ H ₇ Br	M _r 183.05 [2039-82-9]		
18329	purum ~97%(GC); B.P. ₁₆ 88°; store in refrigerator			1 lt ≈ 1.40 kg	5 ml 29. —
18330	pract. 90-95%(GC); d ₄ ²⁰ 1.40; store in refrigerator			1 lt ≈ 1.40 kg	5 ml 21. — 25 ml 90. —

					sFr.	sFr.
	N-Bromosuccinimide					
18350	8/12 $\text{COCH}_2\text{CH}_2\text{CONBr}$ $\text{C}_4\text{H}_4\text{BrNO}_2$ M_r 177.99 [128-08-5] purum $\sim 97\%$ (RT); M.P. 175-180° dec.; For the oxidation of tryptophan in proteins: T. F. Spande and B. Witkop, Methods in Enzymology, Vol. XI, 498 (1967); modification of ribosomal sulfhydryl groups: A. Lopez-Rivas et al., Eur. J. Biochem. 92, 121 (1978)				100 g 11.—	500 g 44.—
16470	Bromosuccinic acid purum $>98\%$ (T); M.P. 161-163°; Ash $<0.1\%$ $\text{HOOCCH}_2\text{CHBrCOOH}$ $\text{C}_4\text{H}_5\text{BrO}_4$ M_r 196.99 [923-06-8]				10 g 15.—	50 g 63.—
18360	Bromosulfalein (Phenoltetrabromophthalein-3',3''-disulfonic acid Disodium salt; Sulfobromophthalein Sodium) $\text{C}_6\text{Br}_4\text{COOC}(\text{C}_6\text{H}_3-3-\text{SO}_3\text{Na}-4-\text{OH})_2$ $\text{C}_{20}\text{H}_8\text{Br}_4\text{Na}_2\text{O}_{10}\text{S}_2$ M_r 838.02 [71-67-0] Standard Fluka for Microscopy (Hist.); for Liver diagnosis; "Assay for the quantitative Estimation of Protein": J. McGuire et al., Anal. Biochem. 83, 75 (1977)			1 g 7.—	5 g 20.—	25 g 85.—
18375	Bromosulfonazo III p.a. [2,7-Bis(4-bromo-2-sulfophenylazo)chromotropic acid] $\text{C}_{22}\text{H}_{15}\text{BrN}_4\text{O}_{14}\text{S}_4$ M_r 767.55				1 g 16.—	
18390	1-Bromotetradecane (Myristyl bromide; Tetradecyl bromide) $\text{CH}_3(\text{CH}_2)_{13}\text{Br}$ $\text{C}_{14}\text{H}_{29}\text{Br}$ M_r 277.30 [112-71-0] purum $>97\%$ (GC); M.P. 5-7°; B.P. ₂₁ 181° (Lit.); d_4^{20} 1.016; n_D^{20} 1.461	1 lt $\approx$ 1.02 kg			250 ml 18.—	
18400	2-Bromotetradecanoic acid (2-Bromomyristic acid) $\text{CH}_3(\text{CH}_2)_{11}\text{CHBrCOOH}$ $\text{C}_{14}\text{H}_{27}\text{BrO}_2$ M_r 307.28 [10520-81-7] purum $>98\%$ (T); M.P. 40-43°				25 g 26.—	
18415	8-Bromotheophylline pract. $>97\%$ (Br); M.P. 315-320° dec. $\text{C}_7\text{H}_7\text{BrN}_4\text{O}_2$ M_r 259.07 [10381-75-6]				250 g 35.—	
18429	2-Bromothiophene (2-Thienyl bromide) 6.1/23; 52° SCBr:CHCH:CH $\text{C}_4\text{H}_3\text{BrS}$ M_r 163.04 [1003-09-4] purum $>98\%$ (GC); B.P. ₃₀ 45-47°	1 lt $\approx$ 1.70 kg			10 ml 16.—	50 ml 67.—
18430	pract. $\sim 97\%$ (GC); d_4^{20} 1.708; n_D^{20} 1.586	1 lt $\approx$ 1.71 kg			25 ml 14.—	100 ml 50.—
18441	3-Bromothiophene (3-Thienyl bromide) 6.1/23 SCH:CBRCH:CH $\text{C}_4\text{H}_3\text{BrS}$ M_r 163.04 [872-31-1] pract. $\sim 95\%$ (GC); B.P. 158-160°; d_4^{20} 1.735; n_D^{20} 1.593	1 lt $\approx$ 1.74 kg			5 ml 16.—	25 ml 67.—
18460	Bromothymol Blue (3',3''-Dibromothymolsulfonphthalein) $\text{HO}_3\text{SC}_6\text{H}_4\text{C}[\text{C}_6\text{H}-2-\text{CH}_3-5-\text{CH}(\text{CH}_3)_2-3-\text{Br}-4-\text{OH}]:\text{C}_6\text{H}-2-\text{CH}_3-5-\text{CH}(\text{CH}_3)_2-3-\text{Br}-4-\text{O}$ $\text{C}_{27}\text{H}_{26}\text{Br}_2\text{O}_5\text{S}$ M_r 624.41 [76-59-5] Standard Fluka; M.P. 204-208° dec.; Indicator pH 6.0-7.5	1 g 7.—			10 g 13.—	50 g 55.—
18470	Bromothymol Blue Sodium salt (3',3''-Dibromothymolsulfonphthalein Sodium Salt) $\text{NaO}_3\text{SC}_6\text{H}_4\text{C}[\text{C}_6\text{H}-2-\text{CH}_3-5-\text{CH}(\text{CH}_3)_2-3-\text{Br}-4-\text{OH}]:\text{C}_6\text{H}-2-\text{CH}_3-5-\text{CH}(\text{CH}_3)_2-3-\text{Br}-4-\text{O}$ $\text{C}_{27}\text{H}_{27}\text{Br}_2\text{NaO}_5\text{S}$ M_r 646.39 [34722-90-2] Standard Fluka for Microscopy (Bot., Hist., Vit.); Indicator pH 6.0-7.5	1 g 7.—			10 g 22.—	50 g 90.—
18481	2-Bromotoluene 3/4; 80° $\text{BrC}_6\text{H}_4\text{CH}_3$ $\text{C}_7\text{H}_7\text{Br}$ M_r 171.04 [95-46-5] purum $\sim 98\%$ (GC); M.P. -27--25°; B.P. 181° (Lit.); d_4^{20} 1.418; n_D^{20} 1.556	1 lt $\approx$ 1.42 kg			25 ml 21.—	100 ml 75.—
18490	3-Bromotoluene 3/4; 81° $\text{BrC}_6\text{H}_4\text{CH}_3$ $\text{C}_7\text{H}_7\text{Br}$ M_r 171.04 [591-17-3] puriss. $>99\%$ (GC); B.P. ₁₀ 60-62°; d_4^{20} 1.406; n_D^{20} 1.552	1 lt $\approx$ 1.41 kg	10 ml 14.—		50 ml 60.—	250 ml 255.—
18500	4-Bromotoluene 3/4; 85° $\text{BrC}_6\text{H}_4\text{CH}_3$ $\text{C}_7\text{H}_7\text{Br}$ M_r 171.04 [106-38-7] puriss. $>99\%$ (GC); M.P. 26-28°; B.P. ₁₅ 71-72°; store in refrigerator	25 g 11.—			100 g 38.—	500 g 160.—
18510	purum $>98\%$ (GC); M.P. 24-27°				100 g 16.—	500 g 67.—
	α-Bromotoluene see 13250 Benzyl bromide					
18520	α-Bromo-p-toluic acid [4-(Bromomethyl) benzoic acid] $\text{BrCH}_2\text{C}_6\text{H}_4\text{COOH}$ $\text{C}_8\text{H}_7\text{BrO}_2$ M_r 215.05 [6232-88-8] purum $>98\%$ (T); M.P. 223-226°	1 g 7.—			5 g 24.—	25 g 100.—

sFr.

sFr.

2-Bromo-p-toluidine see 07160 4-Amino-3-bromotoluene
4-Bromo-o-toluidine see 07150 2-Amino-5-bromotoluene
4-Bromo-m-toluidine see 07170 5-Amino-2-bromotoluene
α-Bromo-p-tolunitrile see 17570 4-(Bromomethyl)benzonitrile

Bromotrichloromethane

6.1/12c BrCCl₃ CBrCl₃ M_r 198.30 [75-62-7]
 purum >99%(GC); B.P. 100-103°; d₄²⁰ 2.01;
 n_D²⁰ 1.503; Reagent for benzylic bromination:
 S.W. Baldwin, T.H. O'Neill, P.M. Gross,
 Synth. Commun. 6, 109 (1976)

1 lt ≈ 2.01 kg 25 ml 8. — 100 ml 22. — 500 ml 90. —

1-Bromotridecane (Tridecyl bromide)

CH₃(CH₂)₁₂Br C₁₃H₂₇Br M_r 263.27 [765-09-3]
 pract. ~95%(GC); M.P. 5-7°; B.P._{0.05} 94°; d₄²⁰ 1.03;
 n_D²⁰ 1.459

1 lt ≈ 1.03 kg 10 ml 25. — 50 ml 105. —

o-, m- and p-Bromo-α,α,α-trifluorotoluene see 16400, 16410 and 16412
 2-, 3- and 4-Bromobenzotrifluoride

2-Bromo-1,3,5-trimethylbenzene see 17531 Bromomesitylene

5-Bromo-2,2,5-trimethyl-1,3-dioxane-4,6-dione see 17620 cycl-Isopropylidene
 2-bromo-2-methylmalonate

Bromotrimethylsilane see 92337 Trimethylbromosilane

Bromotriphenylmethane (Triphenylbromomethane; Trityl bromide)

(C₆H₅)₃CBr C₁₉H₁₅Br M_r 323.24 [596-43-0]
 purum M.P. 153-155°; 1 g clearly soluble in 10 ml Dioxan

25 g 22. — 100 g 80. —

1-Bromoundecane (Undecyl bromide)

CH₃(CH₂)₁₀Br C₁₁H₂₃Br M_r 235.22 [693-67-4]
 purum >98%(GC); B.P.₁₀ 112-114°; d₄²⁰ 1.05; n_D²⁰ 1.456

1 lt ≈ 1.05 kg 25 ml 13. — 100 ml 45. —

2-Bromoundecanoic acid purum >98%(Br); M.P. 35°; B.P._{0.1} 130-134°
 CH₃(CH₂)₉CHBrCOOH C₁₁H₂₁BrO₂ M_r 265.20 [2623-84-9]

25 g 16. — 100 g 55. —

11-Bromoundecanoic acid pract. ~95%(GC); M.P. 45-48°; store in refrigerator
 Br(CH₂)₁₀COOH C₁₁H₂₁BrO₂ M_r 265.20 [2834-05-1]

100 g 10. — 500 g 40. —

11-Bromo-1-undecanol (Undecamethylene bromohydrin)

Br(CH₂)₁₁OH C₁₁H₂₃BrO M_r 251.21 [1611-56-9]
 purum >97%(Br); M.P. 45-48°

10 g 18. — 50 g 75. —

5-Bromouracil (5-Bromo-2,4-dihydroxypyrimidine)

N:C(OH)N:C(OH)CBrCH C₄H₃BrN₂O₂ M_r 190.99 [51-20-7]
 purum >98%(Br); M.P. 303-305° dec.

10 g 20. — 50 g 85. —

5-Bromouridine (5-Bromouracil-1-β-D-ribofuranoside)

C₉H₁₁BrN₂O₆ M_r 323.11 [957-75-5]
 purum >99%(UV); M.P. 215-217°; store in refrigerator

250 mg 13. — 1 g 45. —

5-Bromovaleric acid purum ~97%(GC); M.P. 39-41°

CH₂Br(CH₂)₃COOH C₆H₉BrO₂ M_r 181.04 [2067-33-6]

10 g 16. — 50 g 67. —

5-Bromovanillin (3-Bromo-5-hydroxy-4-methoxybenzaldehyde)

CH₃OC₆H₂Br(OH)CHO C₈H₇BrO₃ M_r 231.05 [2973-76-4]
 purum >98%(Br); M.P. 162-165°

10 g 15. — 50 g 63. —

4-Bromoveratrole (4-Bromo-1,2-dimethoxybenzene)

BrC₆H₃(OCH₃)₂ C₈H₉BrO₂ M_r 217.07 [2859-78-1]
 purum ~97%(GC); B.P. 255-258°; d₄²⁰ 1.506; n_D²⁰ 1.574

1 lt ≈ 1.51 kg 5 ml 13. — 25 ml 55. —

1-Bromovinyltrimethylsilane (α-Trimethylsilyl vinylbromide)

CH₂:CBrSi(CH₃)₃ C₅H₁₁BrSi M_r 179.14 [13683-41-5]
 purum >99%(GC); B.P.₈₀ 55-57°; d₄²⁰ 1.163; n_D²⁰ 1.459; store in
 refrigerator; Starting material for the synthesis of α-substituted
 vinyl silanes: B.-T. Gröbel, D. Seebach, Chem. Ber. 110, 867
 (1977); T.H. Chan et al., J. Org. Chem. 43, 1526 (1978);
 E.W. Colvin, Chem. Soc. Rev. 7, 15 (1978); starting material for
 the preparation of methyl α-trimethylsilylvinyl ketones: G. Stork,
 B. Ganem, J. Am. Chem. Soc. 95, 6152 (1973)

1 lt ≈ 1.16 kg 5 ml 40. — 25 ml 165. —

				sFr.	sFr.
	α-Bromo-o-xylene (2-Methylbenzyl bromide; o-Xylylbromide)				
	6.1/23a	$\text{CH}_3\text{C}_6\text{H}_4\text{CH}_2\text{Br}$ $\text{C}_8\text{H}_9\text{Br}$ M_r 185.07 [89-92-9]			
18770		purum >98% (GC); M.P. 16-20°; B.P. ₁₁ 102° (Lit.); d_4^{20} 1.386; n_D^{20} 1.575; lachrymator; store in refrigerator	1 lt $\approx$ 1.39 kg	10 ml 12. —	50 ml 50. —
	4-Bromo-o-xylene (4-Bromo-1,2-dimethylbenzene)				
	6.1/23a	$\text{BrC}_6\text{H}_3(\text{CH}_3)_2$ $\text{C}_8\text{H}_9\text{Br}$ M_r 185.07 [583-71-1]			
18750		techn. 75-80% + 20-25% 3-Bromo-o-xylene; M.P. -12--10°; B.P. 212-215°; d_4^{20} 1.366; n_D^{20} 1.555	1 lt $\approx$ 1.37 kg	250 ml 24. —	1 lt 90. —
	4-Bromo-m-xylene (1-Bromo-2,4-dimethylbenzene)				
	6.1/23a	$\text{BrC}_6\text{H}_3(\text{CH}_3)_2$ $\text{C}_8\text{H}_9\text{Br}$ M_r 185.07 [583-70-0]			
18760		pract. >90% (GC); containing <10% 2-Bromo-m-xylene; d_4^{20} 1.357; n_D^{20} 1.551	1 lt $\approx$ 1.36 kg	10 ml 18. —	50 ml 75. —
	α-Bromo-p-xylene (4-Methylbenzyl bromide; p-Xylylbromide)				
	6.1/23a	$\text{CH}_3\text{C}_6\text{H}_4\text{CH}_2\text{Br}$ $\text{C}_8\text{H}_9\text{Br}$ M_r 185.07 [104-81-4]			
18790		purum >97% (GC); M.P. 34-36°; B.P. ₁₂ 95-98°; corrosive and lachrymatory; <0.5% α,α' -Dibromo-p-xylene; store in refrigerator		25 g 20. —	100 g 70. —
	Bromoxyleneol Blue (3',3''-Dibromo-p-xyleneolsulfonphthalein)				
		$\text{C}_6\text{H}_4\text{SO}_2\text{OC}[\text{C}_6\text{H}_2,5-(\text{CH}_3)_2-3-\text{Br}-4-\text{OH}]_2$ $\text{C}_{23}\text{H}_{20}\text{Br}_2\text{O}_5\text{S}$ M_r 568.29 [40070-59-5]			
18740		Standard Fluka; Indicator pH 6.0-7.6		1 g 7. —	5 g 21. —
	Brucine				
	6.1/81e	$\text{C}_{23}\text{H}_{26}\text{N}_2\text{O}_4$ M_r 394.47 [357-57-3]			
18800		purum $\sim$ 97% (N); M.P. 177-179°; $[\alpha]_{546}^{20} - 133 \pm 5^\circ$; $[\alpha]_D^{20} - 112 \pm 5^\circ$ (c = 2.5 in Chlf.); $\text{H}_2\text{O} \sim 3\%$		10 g 10. —	50 g 40. —
	Brucine sulfate				
	6.1/81e	$(\text{C}_{23}\text{H}_{26}\text{N}_2\text{O}_4)_2 \cdot \text{H}_2\text{SO}_4 \cdot 7\text{H}_2\text{O}$ M_r 1013.13 [4845-99-2]			
18810		purum >98% (T); M.P. $\sim$ 185° dec.; $[\alpha]_{546}^{20} - 30 \pm 2^\circ$; $[\alpha]_D^{20} - 24 \pm 2^\circ$ (c = 1 in water)		10 g 10. —	50 g 40. —
	BSA see 15241 N,O-Bis(trimethylsilyl)acetamide				
	BSC see 15236 N,O-Bis(trimethylsilyl)carbamate				
	BSF see 15247 Bis(trimethylsilyl)formamide				
	BSTFA see 15243 N,O-Bis(trimethylsilyl)trifluoroacetamide				
	BSU see 15248 Bis(trimethylsilyl)urea				
	BTC see 88190 Tetrazoliumblue(chloride)				
	BTEE see 13110 N-Benzoyl-L-tyrosine ethyl ester				
	BTFA see 15225 Bis(trifluoroacetamide)				
	BT-formazane see 88192 Tetrazoliumblue diformazane				
18820	BTS-Catalyst (Catalyst R3-11); for removal of oxygen from gases			100 g 30. —	

Buffer Substances see green section

82560	Buffer Tablets pH 4.0	Package with 50 pieces	25. —
82561	Buffer Tablets pH 7.0	Package with 50 pieces	28. —
82562	Buffer Tablets pH 9.2	Package with 50 pieces	22. —

Busulfan see 19012 1,4-Butanediol dimethane sulfonate

1,3-Butadiene stab.

	2/3c	$\text{CH}_2\text{:CHCH:CH}_2$ C_4H_6 M_r 54.09 [106-99-0]			
		puriss. >99.8% (GC) + 0.02% tert.-Butylcatechol + 1-Butene; d_4^{20} 0.621			
18860		Ampoules of 10 ml	1 lt $\approx$ 0.62 kg	10 ml 55. —	
18862		Cyl. with net $\sim$ 200 g		800. —	
18869		puriss. >99.5% (GC)			
18871		Ampoules of 10 ml	1 lt $\approx$ 0.62 kg	10 ml 25. —	
18872		Ampoules of 100 ml	1 lt $\approx$ 0.62 kg	100 ml 40. —	
18874		Cyl. with 1.0 lt, net $\sim$ 400 g		300. —	
18874		Cyl. with 7.0 lt, net $\sim$ 4 kg		600. —	
18881	2/11c	purum >98%			
18882		Pressure tin with 250 ml, net $\sim$ 155 g		250 ml 40. — (Reg. valve 83547)	
18882		Cyl. with 2.5 lt, net $\sim$ 1.2 kg	300. —		(price of gas 170. —)
18883		Cyl. with 5.0 lt, net $\sim$ 3 kg	420. —		(price of gas 230. —)
18884		Cyl. with 26.0 lt, net $\sim$ 12 kg	700. —		(price of gas 420. —)

sFr.

sFr.

1,3-Butadiene-1-carboxylic acid (2,4-Pentadienoic acid) $\text{CH}_2\text{:CHCH:CHCOOH}$ $\text{C}_5\text{H}_6\text{O}_2$ M_r 98.10 [626-99-3]

18886

purum >97% (T); M.P. 70-72°; store in refrigerator

5 g 34. —

1,3-Butadiene-1-carboxylic acid methylester see 18888 Methyl 1,3-butadiene-1-carboxylate**1,3-Butadiene diepoxide** (1,2:3,4-Diepoxymethane)3/1a; -10° $\text{OCH}_2\text{CHCHCH}_2\text{O}$ $\text{C}_4\text{H}_6\text{O}_2$ M_r 86.09 [298-10-0]

18890

purum >98% (GC); d_4^{20} 1.113; n_D^{20} 1.433; store in refrigerator

1 lt ≈ 1.11 kg

10 ml 52. —

50 ml 210. —

18893

Butadiene-iron-tricarbonyl purum ~97% (Fe); B.P. 62-66° (Lit.); d_4^{20} 1.5776.1/5b $\text{C}_4\text{H}_6\text{Fe}(\text{CO})_3$ $\text{C}_7\text{H}_6\text{FeO}_3$ M_r 193.97 [12078-32-9]

5 g 105. —

Butanal see 20710 Butyraldehyde**Butane** (Alkane C_4)2/3b puriss. 99.96% (GC) + Isobutane + 2,2-Dimethyl-propane; d_4^{20} 0.579

18900

Ampoules of 10 ml

1 lt ≈ 0.58 kg

10 ml 65. —

18902

Cyl. with 0.5 lt, net ~200 g

600. —

purum >99% (GC) + Isobutane + 2,2-Dimethyl-propane; S < 0.005%; B.P. -0.5°;

18920

Ampoules of 100 ml

1 lt ≈ 0.58 kg

100 ml 30. —

18921

2/11b

Pressure tin with 250 ml, net ~145 g

250 ml 40. — (Reg. valve 83547)

18922

Cyl. with 3.8 lt, net ~2.2 kg

500. — (price of gas 330. —)

18924

Cyl. with 19.0 lt, net ~10.3 kg

980. — (price of gas 550. —)

1-Butaneboronic acid see 19667 Butylboronic acid**1,3-Butanediol** (1,3-Butyleneglycol) $\text{CH}_3\text{CH}(\text{OH})\text{CH}_2\text{CH}_2\text{OH}$ $\text{C}_4\text{H}_{10}\text{O}_2$ M_r 90.12 [107-88-0]

18940

purum >99% (GC); B.P. 204-207°; d_4^{20} 1.004;
 n_D^{20} 1.440

1 lt ≈ 1.00 kg

250 ml 7. —

1 lt 18. —

2.5 lt 40. —

1,4-Butanediol ("1,4-Butyleneglycol"; Tetramethyleneglycol) $\text{HO}(\text{CH}_2)_4\text{OH}$ $\text{C}_4\text{H}_{10}\text{O}_2$ M_r 90.12 [110-63-4]

18960

purum ~99% (GC); M.P. 19-21°; B.P. 120-122°;
 d_4^{20} 1.014; n_D^{20} 1.446

1 lt ≈ 1.01 kg

250 ml 7. —

1 lt 18. —

2.5 lt 40. —

D(-)-2,3-Butanediol $\text{CH}_3\text{CH}(\text{OH})\text{CH}(\text{OH})\text{CH}_3$ $\text{C}_4\text{H}_{10}\text{O}_2$ M_r 90.12 [24347-58-8]

18965

purum >98% (GC); M.P. 16-19°; B.P. 176-179°; d_4^{20} 0.992; n_D^{20} 1.433;
 $[\alpha]_D^{20} -15 \pm 1^\circ$

1 lt ≈ 0.99 kg

1 ml 18. —

5 ml 75. —

2,3-Butanediol (2,3-Butyleneglycol) $\text{CH}_3\text{CH}(\text{OH})\text{CH}(\text{OH})\text{CH}_3$ $\text{C}_4\text{H}_{10}\text{O}_2$ M_r 90.12 [513-85-9]

18970

puriss. >99% (GC); B.P. 81-83°; d_4^{20} 1.001;
 n_D^{20} 1.437; Mixture of Racemic + Mesoform

1 lt ≈ 1.00 kg

25 ml 10. —

100 ml 35. —

500 ml 145. —

18980

pract. ~98% (GC); d_4^{20} 1.001; n_D^{20} 1.435;
Mixture of Racemic + Mesoform

1 lt ≈ 1.00 kg

250 ml 20. —

1 lt 70. —

1,4-Butanediol dimethacrylate $\text{CH}_2\text{:C}(\text{CH}_3)\text{COO}(\text{CH}_2)_4\text{OCOC}(\text{CH}_3)\text{:CH}_2$ $\text{C}_{12}\text{H}_{18}\text{O}_4$ M_r 226.28 [38684-65-0]

19010

pract. stab. with 0.01% Hydroquinone-monomethylether;
>95% (GC); B.P. 40°; d_4^{20} 1.023; n_D^{20} 1.458

1 lt ≈ 1.02 kg

100 ml 16. —

19012

1,4-Butanediol dimethane sulfonate purum (Busulfan) $\text{CH}_3\text{SO}_2\text{O}(\text{CH}_2)_4\text{OSO}_2\text{CH}_3$ $\text{C}_6\text{H}_{14}\text{O}_6\text{S}_2$ M_r 246.31 [55-98-1]

25 g 26. —

100 g 95. —

Butane-1,4-diol succinate (Succinic acid mono-4-hydroxy-butylester) [56149-52-1]

19015

purum for the Gaschromatography

25 g 24. —

2,3-Butanedione (Diacetyl)3/1a; 7° $\text{CH}_3\text{COCOCH}_3$ $\text{C}_4\text{H}_6\text{O}_2$ M_r 86.09 [431-03-8]

31530

puriss. >99.5% (GC); M.P. -2- + 1°; d_4^{20} 0.985; n_D^{20} 1.396;
store in refrigerator

1 lt ≈ 0.98 kg

100 ml 15. —

500 ml 63. —

2,3-Butanedione oxime (Diacetylmonoxime) $\text{CH}_3\text{C}(\text{:NOH})\text{COCH}_3$ $\text{C}_4\text{H}_7\text{NO}_2$ M_r 101.11 [57-71-6]

31550

puriss. p.a.; for colorimetr. determination of urea:
Anal. Chem. 25, 662 (1953)

25 g 10. —

100 g 32. —

500 g 120. —

Fluka-Guarantee:

M.P. 75-76°; Sulfate Ash 0.05%; Solubility: 0.5 g are completely soluble and give a clear solution in
10 ml water or also in 10 ml Ethanol; Sensitivity test: 0.05 mg Urea in 3 ml water and 5 ml conc.HCl together with a 3% solution in water of Diacetylmonoxime heated on a water bath for
10 minutes give a light yellow colour

				sFr.	sFr.
	1,4-Butanedithiol (1,4-Dimercaptobutane; Tetramethylenedimercaptan) 6.1/81a; 80° HS(CH ₂) ₄ SH C ₄ H ₁₀ S ₂ M _r 122.25 [1191-08-8]				
19020	pract. 90-95%(RT); B.P. ₁₀ 73-74°; d ₄ ²⁰ 1.04; n _D ²⁰ 1.530	1 lt ≈ 1.04 kg	10 ml 16. —	50 ml 67. —	
	Butanesulfonic acid Sodium salt Monohydrate CH ₃ (CH ₂) ₃ SO ₃ Na·H ₂ O C ₄ H ₉ NaO ₃ S·H ₂ O M _r 178.19 [2386-54-1]				
19028	purum for ion pair chromatography		10 g 25. —		
	1,4-Butane sultone (4-Hydroxybutane-1-sulfonic acid δ-sultone) QCH ₂ CH ₂ CH ₂ CH ₂ SO ₂ C ₄ H ₈ O ₃ S M _r 136.17 [1633-83-6]				
19030	purum >99%(GC); d ₄ ²⁰ 1.337; n _D ²⁰ 1.464	1 lt ≈ 1.34 kg	250 ml 35. —		
	1-Butanethiol (Butylmercaptan, Mercaptan C ₄) 3/1a; -10° CH ₃ (CH ₂) ₃ SH C ₄ H ₁₀ S M _r 90.19 [109-79-5]				
20210	purum >97%(GC); B.P. 96-98°; d ₄ ²⁰ 0.84; n _D ²⁰ 1.443	1 lt ≈ 0.84 kg	500 ml 20. —	1 lt 38. —	
	2-Butanethiol (sec-Butylmercaptan) 3/1a; -10° CH ₃ CH ₂ CH(SH)CH ₃ C ₄ H ₁₀ S M _r 90.19 [513-53-1]				
20220	pract. ~95%(GC); B.P. 84-85° (Lit.); d ₄ ²⁰ 0.830; n _D ²⁰ 1.437	1 lt ≈ 0.83 kg	100 ml 9. —	500 ml 32. —	
19040	1,2,4-Butanetriol pract.; B.P. ₁₁ 167-168° (Lit.) d ₄ ²⁰ 1.185; n _D ²⁰ 1.473 >95° HOCH ₂ CH ₂ CH(OH)CH ₂ OH C ₄ H ₁₀ O ₃ M _r 106.12 [3068-00-6]	1 lt ≈ 1.19 kg	25 ml 20. —	100 ml 70. —	
	1-Butanol see 19419 Butyl alcohol				
	2-Butanol see 19440 sec.-Butyl alcohol				
	S(+)-2-Butanol 3/3; 22° CH ₃ CH(OH)CHCH ₃ C ₄ H ₁₀ O M _r 74.12 [4221-99-2]				
19025	purum >99%(GC); B.P. 97-100°; d ₄ ²⁰ 0.806; n _D ²⁰ 1.398; [α] _D ²⁰ +16.0±1°; [α] _D ²⁰ +13.5±1° (c = 10 in Methanol)	1 lt ≈ 0.81 kg	1 ml 75. —	5 ml 315. —	
	R(-)-2-Butanol 3/3; 22° CH ₃ CH(OH)CH ₂ CH ₃ C ₄ H ₁₀ O M _r 74.12 [14898-79-4]				
19026	purum >99%(GC); B.P. 97-100°; d ₄ ²⁰ 0.806; n _D ²⁰ 1.398; [α] _D ²⁰ -16.0±1°; [α] _D ²⁰ -13.5±1° (c = 10 in Methanol)	1 lt ≈ 0.81 kg	1 ml 75. —	5 ml 315. —	
	2-Butanone (Ethyl methyl ketone; Methyl ethyl ketone) 3/1a; -4° C ₂ H ₅ COCH ₃ C ₄ H ₈ O M _r 72.11 [78-93-3]				
04380	puriss. p.a.	1 lt ≈ 0.81 kg	1 lt 11. —	2.5 lt 24. —	
	Fluka-Guarantee:				
	Assay (GC) >99.5 %	Nickel (Ni) <0.00001%			
	Residue on evaporation <0.002 %	Copper (Cu) <0.00001%			
	Water <0.2 %	Lead (Pb) <0.00001%			
	Iron (Fe) <0.00005%	Cadmium (Cd) <0.00001%			
	Cobalt (Co) <0.00001%	Zinc (Zn) <0.00005%			
	2-Butanone oxime (Methylethylketoxime) 3/4; 60° C ₂ H ₅ C(:NOH)CH ₃ C ₄ H ₉ NO M _r 87.12 [96-26-7]				
04400	purum >98%(GC); B.P. ₂₅ 70-73°; d ₄ ²⁰ 0.923; n _D ²⁰ 1.443	1 lt ≈ 0.92 kg	250 ml 12. —	1 lt 40. —	
	2-Butanone peroxide (Methyl ethyl ketone peroxide) 5.2/b30; 30° C ₂ H ₅ C(OOH)(CH ₃)OOC(OOH)(CH ₃)C ₂ H ₅ C ₈ H ₁₆ O ₆ M _r 210.23 [126-76-1]				
04390	techn. containing ~50% plasticizer (Phosphoric acid ester + Phthalic acid ester); store in refrigerator	1 lt ≈ 1.11 kg	100 ml 10. —	500 ml 42. —	
	trans-2-Butenal see 27980 Crotonaldehyde				
	1-Butene CH ₂ :CHCH ₂ CH ₃ C ₄ H ₈ M _r 56.11 [106-98-9]				
19052	2/3b puriss. >99.8%(GC) + Isobutane + Isobutylene + Butadiene; B.P. -6.3°; d ₄ ²⁰ 0.595 Cyl. with 0.5 lt, net ~200 g		880. —		
19061	2/11b purum >99%(GC) + Isobutane + Isobutylene + Butadiene; B.P. -9.4--4° Pressure tin with 250 ml, net ~145 g		250 ml 35. — (Reg. valve 83547)		
19064	2/3b Cyl. with 3.8 lt, net ~2.3 kg		600. —		
19066	purum >98%(GC) + Isobutane + Isobutylene + Butadiene; B.P. -9.4--4.0° Cyl. with 19.0 lt, net ~11 kg		950. —		



					sFr.	sFr.
cis-2-Butene, high boiling						
19082	2/3b	CH ₃ CH:CHCH ₃ C ₄ H ₈ M _r 56.11 [590-18-1]				
		puriss. >99.8%(GC) + trans-2-Butene + 2,2-Dimethyl-propane; d ₄ ²⁰ 0.621				
		Cyl. with 0.5 lt, net ~200 g			880. —	
		purum >99%(GC) + trans-2-Butene + 2,2-Dimethyl-propane; B.P. 3.9°				
19089		Ampoules of 100 ml	1 lt ≈ 0.62 kg	100 ml	60. —	
19091	2/11b	Pressure tin with 250 ml net ~155 g		250 ml	105. — (Reg. valve 83547)	
19092		Cyl. with 1 lt, net ~540 g			400. —	
19094		Cyl. with 3.8 lt, net ~2.7 kg	880. —		(price of gas 825. —)	
trans-2-Butene, low boiling						
	2/3b	CH ₃ CH:CHCH ₃ C ₄ H ₈ M _r 56.11 [624-64-6]				
		puriss. >99.8%(GC) + Butane + 1-Butene + cis-2-Butene + Butadiene; d ₄ ²⁰ 0.604				
19100		Ampoules of 10 ml	1 lt ≈ 0.60 kg	10 ml	70. —	
19102		Cyl. with 0.5 lt, net ~200 g			880. —	
		purum >99%(GC) + Butane + 1-Butene + cis-2-Butene + Butadiene; Kp 0.9°				
19109		Ampoules of 100 ml	1 lt ≈ 0.60 kg	100 ml	65. —	
19111	2/11b	Pressure tin with 250 ml, net ~150 g		250 ml	105. — (Reg. valve 83547)	
19112		Cyl. with 1.0 lt, net ~650 g			450. —	
19114		Cyl. with 3.8 lt, net ~2.7 kg	950. —		(price of gas 825. —)	
2-Butene-1,4-dicarboxylic acid see 53020 trans-3-Hexenedioic acid						
cis-2-Butene-1,4-diol						
19150		HOCH ₂ CH:CHCH ₂ OH C ₄ H ₈ O ₂ M _r 88.11 [6117-80-2]				
		pract. >97%(GC); M.P. 7-11°; B.P. 235° (Lit.); d ₄ ²⁰ 1.072; n _D ²⁰ 1.479	1 lt ≈ 1.07 kg	250 ml	12. —	1 lt 40. —
trans-2-Butenoic acid see 28011 Crotonic acid						
3-Butenoic acid see 94990 Vinylacetic acid						
3-Buten-1-ol (1-4) (Allylcarbinol)						
19170	3/3; 33°	CH ₂ :CHCH ₂ CH ₂ OH C ₄ H ₈ O M _r 72.11 [627-27-0]				
		purum ~98%(GC); B.P. 113.5° (Lit.); d ₄ ²⁰ 0.843; n _D ²⁰ 1.422	1 lt ≈ 0.84 kg	5 ml	15. —	25 ml 63. —
trans-2-Buten-1-ol see 28091 Crotyl alcohol						
2-Buten-1,4-olide see 28005 γ-Crotonolactone						
3-Buten-2-one (Methyl vinyl ketone; Vinyl methyl ketone)						
69690	3/1a; -7°	CH ₂ :CHCOCH ₃ C ₄ H ₆ O M _r 70.09 [78-94-4]				
		puriss. stab. with 0.1% acetic acid and 0.05% Hydroquinone;				
		>99%(GC); B.P. ₁₀₀ 32-34; d ₄ ²⁰ 0.855; n _D ²⁰ 1.411; store in refrigerator;				
		The most important commonly used Michael-acceptor for				
		annulations; Reviews: R.E. Gawley, Synthesis 777 (1976);				
		M.E. Jung, Tetrahedron 32, 3 (1976)	1 lt ≈ 0.86 kg	100 ml	22. —	500 ml 90. —
69692		purum stab. ~99%(GC); d ₄ ²⁰ 0.855; n _D ²⁰ 1.413; store in refrigerator	1 lt ≈ 0.86 kg	250 ml	22. —	1 lt 80. —
3-Butenonitrile see 05900 Allyl cyanide						
Butopyronoxyl see 37285 Butyl 3,4-dihydro-2,2-dimethyl-4-oxo-2H-pyran-6-carboxylate						
4-Butoxyaniline (4-Aminophenyl butyl ether)						
20420	6.1/21	CH ₃ (CH ₂) ₃ OC ₆ H ₄ NH ₂ C ₁₀ H ₁₅ NO M _r 165.24 [4344-55-2]				
		pract. >98%(GC); B.P. ₁₂ 143-144° (Lit.); d ₄ ²⁰ 1.009; n _D ²⁰ 1.536	1 lt ≈ 1.00 kg	100 ml	35. —	500 ml 145. —
tert-Butoxy bis(dimethylamino)methane						
20425	3/3; 41°	2(CH ₃) ₃ COCH[N(CH ₃) ₂] ₂ ⇌ [(CH ₃) ₃ CO] ₂ CHN(CH ₃) ₂ + HC[N(CH ₃) ₂] ₃				
		[5815-08-7] + [36805-97-7]				
		pract. B.P. ₂ 160° dec.; d ₄ ²⁰ 0.844; n _D ²⁰ 1.423	1 lt ≈ 0.84 kg	10 ml	30. —	50 ml 125. —
N-(tert-Butoxycarbonyloxy)phthalimide						
20428		ÇOC ₆ H ₄ CONOCOOC(CH ₃) ₃ C ₁₃ H ₁₃ NO ₅ M _r 263.25 [15263-20-4]				
		purum >98%(C,H,N-Analysis); M.P. 118-120° dec.; Reagent for the introducing				
		the BOC-protecting group: H. Gross, L. Bilk, Liebigs Ann. Chem. 725, 212 (1969)		5 g	21. —	25 g 90. —
N-(tert-Butoxycarbonyloxy)succinimide, BOC-OSU						
20430		ÇOCH ₂ CH ₂ CONOCOOC(CH ₃) ₃ C ₁₀ H ₁₃ NO ₅ M _r 215.21 [13139-12-3]				
		purum >98%(C,H,N-Analysis); M.P. ~95° dec.; BOC-protecting group reagent:				
		M. Frankel et al., Tetrahedron Lett. 4765 (1966)		5 g	21. —	25 g 90. —
1-(tert-Butoxycarbonyl)1H-1,2,4-triazole						
20433		N:CHN:CHNCOOC(CH ₃) ₃ C ₇ H ₁₁ N ₃ O ₂ M _r 169.19 [41864-24-8]				
		purum >98%(C,H,N-Analysis); M.P. 45-47°; B.P. _{0.36} 75° (Lit.); BOC-protecting				
		group reagent: G. Bram, Tetrahedron Lett. 469 (1973)		10 g	35. —	50 g 145. —

				sFr.	sFr.
	Butoxydiphenylphosphine (Butyl diphenylphosphinite)				
20427	6.1/81a	$\text{CH}_3(\text{CH}_2)_3\text{OP}(\text{C}_6\text{H}_5)_2$ $\text{C}_{16}\text{H}_{19}\text{OP}$ M_r 258.30 [4233-13-0]	1 lt $\approx$ 1.04 kg	25 ml 29. —	
		pract. B.P. 142-143°; d_4^{20} 1.039; n_D^{20} 1.572			
	2-Butoxyethanol (Ethylene glycol monobutyl ether; Butyl glycol)				
20400	3/4; 60°	$\text{CH}_3(\text{CH}_2)_3\text{OCH}_2\text{CH}_2\text{OH}$ $\text{C}_6\text{H}_{14}\text{O}_2$ M_r 118.18 [111-76-2]	1 lt $\approx$ 0.90 kg	1 lt 11. —	5 lt 44. —
		purum >98%(GC); B.P. 169-171°; d_4^{20} 0.902; n_D^{20} 1.419			
	1-tert-Butoxy-2-ethoxyethane				
02580		$\text{CH}_3\text{CH}_2\text{OCH}_2\text{CH}_2\text{OC}(\text{CH}_3)_3$ $\text{C}_8\text{H}_{18}\text{O}_2$ M_r 146.23 [51422-54-9]	1 lt $\approx$ 0.83 kg	500 ml 21. —	
		purum $\sim$ 99%(GC); B.P. 146-148°; d_4^{20} 0.830; n_D^{20} 1.401			
	2-(2-Butoxyethoxy)ethanol see 32250 Diethylene glycol monobutyl ether				
	2-(2-Butoxyethoxy)ethyl acetate see 32260 Diethylene glycol monobutyl ether acetate				
	2-Butoxyethyl ether see 32200 Diethylene glycol dibutyl ether				
	2-tert-Butoxyl-1-methoxyethane (2-Methoxyethyl tert-butyl ether)				
20438		$\text{CH}_3\text{OCH}_2\text{CH}_2\text{OC}(\text{CH}_3)_3$ $\text{C}_7\text{H}_{16}\text{O}_2$ M_r 132.21	1 lt $\approx$ 0.84 kg	500 ml 20. —	
		purum >98%(GC); B.P. 129-131°; d_4^{20} 0.844; n_D^{20} 1.398			
20442		4-Butoxyphenylacetic acid purum >98%(T); M.P. 80-85°; Ash <0.1%		10 g 40. —	
		$\text{CH}_3(\text{CH}_2)_3\text{OC}_6\text{H}_4\text{CH}_2\text{COOH}$ $\text{C}_{12}\text{H}_{16}\text{O}_3$ M_r 208.26 [4547-57-3]			
	3-Butoxy-1-propylamine (3-Aminopropyl butyl ether)				
20460		$\text{CH}_3(\text{CH}_2)_3\text{O}(\text{CH}_2)_3\text{NH}_2$ $\text{C}_7\text{H}_{17}\text{NO}$ M_r 131.22 [16499-88-0]	1 lt $\approx$ 0.85 kg	1 lt 45. —	
		purum >98%(GC); B.P. 136°; d_4^{20} 0.848; n_D^{20} 1.427			
	Butyl acetate				
45860	3/3; 24°	$\text{CH}_3\text{COO}(\text{CH}_2)_3\text{CH}_3$ $\text{C}_6\text{H}_{12}\text{O}_2$ M_r 116.16 [123-86-4]	1 lt $\approx$ 0.88 kg	250 ml 7. —	1 lt 15. — 2.5 lt 33. —
		puriss. p.a. B.P. 126-127°; d_4^{20} 0.882; n_D^{20} 1.394			
		Fluka-Guarantee:			
		Assay (GC) >99.0 %	Iron (Fe) <0.00005%		
		Water (H ₂ O) <0.1 %	Copper (Cu) <0.00001%		
		Residue on evaporation <0.002%	Lead (Pb) <0.00001%		
		Butyl formate (GC) <0.1 %	Cadmium (Cd) <0.00001%		
		Butyl propionate (GC) <0.1 %	Zinc (Zn) <0.00001%		
		Free acid (as CH ₃ COOH) <0.01 %			
45870		purum >98.5%(GC); B.P. 123-126°; d_4^{20} 0.881; n_D^{20} 1.394	1 lt $\approx$ 0.88 kg	1 lt 12. —	5 lt 50. —
	tert-Butyl acetate				
45880	3/1a; -2°	$\text{CH}_3\text{COOC}(\text{CH}_3)_3$ $\text{C}_6\text{H}_{12}\text{O}_2$ M_r 116.16 [540-88-5]	1 lt $\approx$ 0.87 kg	500 ml 20. —	1 lt 38. —
		purum >99%(GC); B.P. 94-96°; d_4^{20} 0.866; n_D^{20} 1.387			
	tert-Butylacetic acid see 39850 3,3-Dimethylbutyric acid				
	tert-Butyl acetoacetate				
00450		$\text{CH}_3\text{COCH}_2\text{COOC}(\text{CH}_3)_3$ $\text{C}_9\text{H}_{14}\text{O}_3$ M_r 158.20 [591-60-6]	1 lt $\approx$ 0.97 kg	100 ml 13. —	500 ml 55. —
		pract. >95%(GC); B.P. 117.5° (Lit.); d_4^{20} 0.968; n_D^{20} 1.419			
	tert-Butylacetyl chloride (3,3-Dimethylbutyryl chloride)				
19405	8/22; 36°	$(\text{CH}_3)_3\text{CCH}_2\text{COCl}$ $\text{C}_6\text{H}_{11}\text{ClO}$ M_r 134.61 [7065-46-5]	1 lt $\approx$ 0.97 kg	25 ml 33. —	100 ml 120. —
		pract. $\sim$ 97%(Cl); B.P. 128-132°; d_4^{20} 0.965; n_D^{20} 1.420			
19410		N-tert-Butylacrylamide purum M.P. 126-129°		500 g 40. —	
		$\text{CH}_2=\text{CHCONHC}(\text{CH}_3)_3$ $\text{C}_7\text{H}_{13}\text{NO}$ M_r 127.19 [107-58-4]			
	Butyl acrylate				
01770	3/3; 41°	$\text{CH}_2=\text{CHCOO}(\text{CH}_2)_3\text{CH}_3$ $\text{C}_7\text{H}_{12}\text{O}_2$ M_r 128.17 [141-32-2]	1 lt $\approx$ 0.90 kg	250 ml 8. —	1 lt 22. —
		purum >99%(GC); B.P. 145-146° (Lit.); d_4^{20} 0.898; n_D^{20} 1.418;			
		stab. with 0.0015% Hydroquinone monomethyl ether			
	tert-Butyl acrylate				
01775	3/3; 41°	$\text{CH}_2=\text{CHCOOC}(\text{CH}_3)_3$ $\text{C}_7\text{H}_{12}\text{O}_2$ M_r 128.17 [1663-39-4]	1 lt $\approx$ 0.88 kg	250 ml 13. —	1 lt 45. —
		purum $\sim$ 99%(GC); B.P. 117-120°; d_4^{20} 0.883; n_D^{20} 1.410			
	Butyl alcohol (Alcohol C ₄ , 1-Butanol)				
19419	3/3; 34°	$\text{CH}_3(\text{CH}_2)_3\text{OH}$ $\text{C}_4\text{H}_{10}\text{O}$ M_r 74.12 [71-36-3]	1 lt $\approx$ 0.81 kg	250 ml 12. —	1 lt 40. —
		for U.V. Spectroscopy			
		Fluka-Guarantee:			
		Layer thickness: 10 mm, Path vs. Dist. water			
		Wavelength (nm):	230 240 250 280 320		
		Transmittance in %:	35 65 86 96 >99		



					sFr.	sFr.
19420	puriss. p.a. B.P. 116-118°; d_4^{20} 0.810; n_D^{20} 1.399		1 lt $\approx$ 0.81 kg		1 lt 15.—	2.5 lt 33.—
	Fluka-Guarantee:					
	Assay (GC)	>99.5 %	Manganese (Mn)	<0.000005%		
	Water (H ₂ O)	<0.1 %	Potassium (K)	<0.00005 %		
	Aldehyde		Sodium (Na)	<0.00005 %		
	(as C ₃ H ₇ CHO)	<0.005 %	Iron (Fe)	<0.00001 %		
	Residue on evaporation	<0.003 %	Copper (Cu)	<0.000005%		
	Ketone (as CH ₃ COCH ₃)	<0.01 %	Lead (Pb)	<0.000005%		
	Acid (as CH ₃ COOH)	<0.005 %	Cadmium (Cd)	<0.000005%		
	Calcium (Ca)	<0.0001 %	Zinc (Zn)	<0.000005%		
	Chrome (Cr)	<0.000005%				
19430	purum >98% (GC); B.P. 116-118°; d_4^{20} 0.81; n_D^{20} 1.400		1 lt $\approx$ 0.81 kg		1 lt 10.—	5 lt 42.—
	sec-Butyl alcohol (2-Butanol)					
	3/3; 23° CH ₃ CH ₂ CH(OH)CH ₃ C ₄ H ₁₀ O M _r 74.12 [78-92-2]					
19440	puriss. p.a. B.P. 99-100°; d_4^{20} 0.807; n_D^{20} 1.397		1 lt $\approx$ 0.81 kg	250 ml 7.—	1 lt 15.—	2.5 lt 33.—
	Fluka-Guarantee:					
	Assay	>99.0 %	Ketone (as CH ₃ COCH ₃)	<0.1 %		
	Water (H ₂ O)	<0.1 %	Iron (Fe)	<0.00005%		
	Residue on evaporation	<0.001%	Copper (Cu)	<0.00001%		
	tert-Butanol	<0.1 %	Lead (Pb)	<0.00001%		
	2-Propanol	<0.1 %	Cadmium (Cd)	<0.00001%		
	Methyl ethyl ketone	<0.1 %	Zinc (Zn)	<0.00001%		
	Aldehyde [as CH ₃ (CH ₂) ₂ CHO]	<0.005%				
19450	purum >99% (GC); B.P. 98-100°; d_4^{20} 0.807; n_D^{20} 1.396		1 lt $\approx$ 0.81 kg		1 lt 11.—	5 lt 44.—
	S(+) and R(-)-sec-Butyl alcohol see 19025 and 19026 S(+) and R(-)-2-Butanol					
	tert-Butyl alcohol (2-Methyl-2-propanol; Trimethylcarbinol)					
	3/1a; 11° (CH ₃) ₃ COH C ₄ H ₁₀ O M _r 74.12 [75-65-0]					
19460	puriss. p.a. B.P. 82-83°		1 lt $\approx$ 0.79 kg	500 ml 9.—	1 lt 15.—	2.5 lt 33.—
	Fluka-Guarantee:					
	Assay (GC)	>99.7%	Iron (Fe)	<0.00005%		
	Water (H ₂ O)	<0.15%	Copper (Cu)	<0.00001%		
	Residue on evaporation	<0.01%	Lead (Pb)	<0.00001%		
	M.P.	24-25.5°C	Cadmium (Cd)	<0.00001%		
			Zinc (Zn)	<0.00001%		
19470	purum >99% (GC); M.P. 23-25°		1 lt $\approx$ 0.79 kg		1 lt 11.—	5 lt 44.—
	Butylamine (Amine C ₄ ; 1-Aminobutane)					
	3/5; <7° CH ₃ (CH ₂) ₃ NH ₂ C ₄ H ₁₁ N M _r 73.14 [109-73-9]					
19480	puriss. p.a. >99% (GC); B.P. 76-78°; d_4^{20} 0.740; n_D^{20} 1.401; H ₂ O <1%		1 lt $\approx$ 0.74 kg	250 ml 16.—	1 lt 55.—	
19490	purum $\sim$ 98% (GC); d_4^{20} 0.740; n_D^{20} 1.401; H ₂ O <2%		1 lt $\approx$ 0.74 kg	1 lt 15.—	2.5 lt 33.—	
	sec-Butylamine (2-Aminobutane)					
	3/5; -9° CH ₃ CH ₂ CH(NH ₂)CH ₃ C ₄ H ₁₁ N M _r 73.14 [13952-84-6]					
19500	puriss. >99% (GC); B.P. 63-65°; d_4^{20} 0.722; n_D^{20} 1.394		1 lt $\approx$ 0.72 kg	100 ml 10.—	500 ml 40.—	
19501	purum >98% (GC); B.P. 62-65°; d_4^{20} 0.722; n_D^{20} 1.394		1 lt $\approx$ 0.72 kg	500 ml 15.—	1 lt 28.—	
	tert-Butylamine (2-Amino-2-methylpropane)					
	3/5; -10° (CH ₃) ₃ CNH ₂ C ₄ H ₁₁ N M _r 73.14 [75-64-9]					
19520	puriss. p.a. >99.5% (GC); B.P. 44-46°; d_4^{20} 0.693; n_D^{20} 1.379		1 lt $\approx$ 0.69 kg	100 ml 7.—	500 ml 24.—	
19530	purum >97% (GC); B.P. 43-46°; d_4^{20} 0.695; n_D^{20} 1.379		1 lt $\approx$ 0.69 kg	250 ml 8.—	1 lt 25.—	
06970	Butyl 4-aminobenzoate purum >98% (NT); M.P. 56-59°; Ash <0.005% NH ₂ C ₆ H ₄ COO(CH ₂) ₃ CH ₃ C ₁₁ H ₁₅ NO ₂ M _r 193.25 [94-25-7]			100 g 13.—	500 g 55.—	
	tert-Butylamine-borane see 15582 Borane tert-Butylamine Complex					
	2-Butylaminoethanol (N-Butylethanolamine; N-Butyl-2-hydroxyethylamine)					
	CH ₃ (CH ₂) ₃ NHCH ₂ CH ₂ OH C ₆ H ₁₅ NO M _r 117.19 [111-75-1]					
19550	purum >99% (GC); B.P. 90-92°; d_4^{20} 0.892; n_D^{20} 1.445		1 lt $\approx$ 0.89 kg	250 ml 10.—	1 lt 35.—	
	di-tert-Butyl azodicarboxylate					
	(CH ₃) ₃ COCON:NCOOC(CH ₃) ₃ C ₁₀ H ₁₈ N ₂ O ₄ M _r 230.27 [870-50-8]					
11625	purum >98% (N); M.P. 90-92°; Important dienophile in Diels-Alder-reactions, see e.g. D. Mackay, C.W. Pilger, L.L. Wong, J. Org. Chem. 38, 2043 (1973); D.M. Staut, T. Takaya, A.J. Meyers, J. Org. Chem. 40, 563 (1975)			5 g 24.—	25 g 100.—	



Butylbenzene (1-Phenylbutane)						
	3/4; 71°	$C_6H_5(CH_2)_3CH_3$	$C_{10}H_{14}$	M_r 134.22	[104-51-8]	
19600	puriss. Standard for Gas Chromatography; >99.5%(GC);				1 lt ≈ 0.86 kg	10 ml 30. — 50 ml 125
	M.P. -88°; B.P. 182-183°; d_4^{20} 0.860; n_D^{20} 1.490				1 lt ≈ 0.86 kg	50 ml 32. — 250 ml 135
19610	purum >99%(GC); B.P. 182-185°; d_4^{20} 0.860; n_D^{20} 1.490					
sec-Butylbenzene (2-Phenylbutane)						
	3/3; 52°	$C_6H_5CH(CH_3)CH_2CH_3$	$C_{10}H_{14}$	M_r 134.22	[135-98-8]	
19620	puriss. Standard for Gas Chromatography; >99.5%(GC);				1 lt ≈ 0.86 kg	10 ml 30. — 50 ml 125
	M.P. -75.5°; d_4^{20} 0.862; n_D^{20} 1.489				1 lt ≈ 0.86 kg	50 ml 13. — 250 ml 55
19630	purum >99%(GC); B.P. 172-173°; d_4^{20} 0.862; n_D^{20} 1.490					
tert-Butylbenzene (2-Methyl-2-phenylpropane)						
	3/4; 60°	$C_6H_5C(CH_3)_3$	$C_{10}H_{14}$	M_r 134.22	[98-06-6]	
19640	puriss. >99.5%(GC); B.P. 167-168°; d_4^{20} 0.866; n_D^{20} 1.493;				1 lt ≈ 0.87 kg	10 ml 30. — 50 ml 125
	Standard for Gas Chromatography				1 lt ≈ 0.87 kg	100 ml 8. — 500 ml 26
19650	purum >99%(GC); B.P. 165-168°; d_4^{20} 0.866; n_D^{20} 1.493					
19590	4-tert-Butylbenzoic acid purum >98%(T); M.P. 162-165°					100 g 7. — 500 g 12
	$(CH_3)_3CC_6H_4COOH$ $C_{11}H_{14}O_2$ M_r 178.23 [98-73-7]					
4-tert-Butylbenzyl bromide						
		$(CH_3)_3CC_6H_4CH_2Br$	$C_{11}H_{15}Br$	M_r 227.15	[18880-00-7]	
19665	pract. >90%(GC); M.P. 8-12°; B.P. 74-76°; d_4^{20} 1.236; n_D^{20} 1.546					25 g 16. — 100 g 55
N-Butyl-bis(2-hydroxyethyl)amine see 19880 N-Butyldiethanolamine						
Butylboronic acid (1-Butaneboronic acid)						
		$CH_3(CH_2)_3B(OH)_2$	$C_4H_{11}BO_2$	M_r 101.94	[4426-47-5]	
19667	p.a. ~98%(T); M.P. 90-92°; Derivatizing agent for gas					
	Chromatography: A. Darbre in "Handbook of Derivatives for Chromatography",					
	K. Blau, G. S. King ed., Heyden & Sons, London (1977)				5 g 46. —	25 g 200.
Butyl bromide see 19681 1-Bromobutane						
sec-Butyl bromide see 19690 2-Bromobutane						
tert-Butyl bromide see 19700 2-Bromo-2-methylpropane						
tert-Butyl bromoacetate						
	6.1/61	$BrCH_2COOC(CH_3)_3$	$C_6H_{11}BrO_2$	M_r 195.06	[5292-43-3]	
17035	purum ~98%(GC); B.P. 52°; d_4^{20} 1.33; n_D^{20} 1.445				1 lt ≈ 1.33 kg	10 ml 18. — 50 ml 75
tert-Butyl N-(tert-butoxycarbonyloxy)carbamate [N,O-Bis(tert-butoxycarbonyl)hydroxylamine]						
		$(CH_3)_3COCONHOCOOC(CH_3)_3$	$C_{10}H_{19}NO_5$	M_r 233.27		
20426	purum >98%(C,H,N-Analysis); M.P. 67-69°					5 g 37. —
Butyl tert-butylcarbinol see 40430 2,2-Dimethyl-3-heptanol						
19290	Butyl butyrate purum >99%(GC); B.P. 164-167°; d_4^{20} 0.868; n_D^{20} 1.407				1 lt ≈ 0.87 kg	250 ml 20. — 1 lt 70
	3/3; 53°	$CH_3CH_2CH_2COO(CH_2)_3CH_3$	$C_8H_{16}O_2$	M_r 144.22	[109-21-7]	
21758	Butyl carbamate purum >98%(NT); M.P. 51-53°					250 g 13. —
		$NH_2COO(CH_2)_3CH_3$	$C_5H_{11}NO_2$	M_r 117.15	[592-35-8]	
21759	tert-Butyl carbamate purum >98%(T); M.P. 107-109°					10 g 30. — 50 g 125
		$NH_2COOC(CH_3)_3$	$C_5H_{11}NOO_2$	M_r 117.15	[4248-19-5]	
tert-Butyl carbazate (BOC-hydrazide; tert-Butyloxycarbonyl hydrazide;						
	4.1/11	Hydrazinecarboxylic acid tert-butyl ester)				
		$(CH_3)_3COCONHNH_2$	$C_5H_{12}N_2O_2$	M_r 132.16	[870-46-2]	
19740	purum >98%(GC); M.P. 38-40°; B.P. 63-65°; store in refrigerator				25 g 16. —	100 g 55. — 500 g 230
sec-Butyl carbinol see 65990 (±)-2-Methyl-1-butanol						
tert-Butyl carbinol see 41520 2,2-Dimethyl-1-propanol						
19670	4-tert-Butylcatechol purum >98%(NT); M.P. 56-58°					100 g 10. — 500 g 37
	6.1/81g	$(CH_3)_3CC_6H_3(OH)_2$	$C_{10}H_{14}O_2$	M_r 166.22	[98-29-3]	
Butyl chloride see 19749 1-Chlorobutane						
sec-Butyl chloride see 19770 2-Chlorobutane						
tert-Butyl chloride see 19780 2-Chloro-2-methylpropane						

570	tert-Butyl chloroacetate				
	3/4, 80°	$\text{C(CH}_3)_3\text{COOCH}_2\text{Cl}$, $\text{C}_6\text{H}_{11}\text{ClO}_2$, M_r 150.61 [157-66-5]			
		purum >95% (GC); B.P. 47-49°; d_4^{20} 1.053; n_D^{20} 1.423	1 lt ≈ 1.05 kg	25 ml 23. —	100 ml 120. —
		contains ~5% tert-Butyl dimethylacetate			
tert-Butylchlorodimethylsilane see 19005 tert-Butyldimethylchlorosilane					
1175	Butyl chloroformate				
	6.1/4, 38°	$\text{ClCOOCH}_2\text{CH}_2\text{CH}_2\text{CH}_3$, $\text{C}_5\text{H}_{11}\text{ClO}_2$, M_r 136.58 [532-34-7]			
		pract. ~95% (GC); B.P. 135-138°; d_4^{20} 1.053; n_D^{20} 1.412;	1 lt ≈ 1.05 kg	250 ml 11. —	1 lt 38. —
		store in refrigerator			
2-tert-Butyl-p-cresol see 20290 2-tert-Butyl-4-methylphenol					
4-tert-Butyl-o-cresol see 20300 4-tert-Butyl-2-methylphenol					
6-tert-Butyl-o-cresol see 20310 2-tert-Butyl-6-methylphenol					
6-tert-Butyl-m-cresol see 20320 2-tert-Butyl-5-methylphenol					
Butyl cyanide see 94590 n-Valeronitrile					
tert-Butyl cyanide see 80930 Pivalonitrile					
9438	Butyl cyanoacetate				
	6.1/21	$\text{NCCH}_2\text{COOCH}_2\text{CH}_2\text{CH}_2\text{CH}_3$, $\text{C}_7\text{H}_{13}\text{NO}_2$, M_r 141.17 [5459-58-5]			
		purum >98% (GC); B.P. 236-238°; d_4^{20} 1.001; n_D^{20} 1.426	1 lt ≈ 1.00 kg	100 ml 12. —	500 ml 50. —
22440	tert-Butyl cyanoacetate				
	6.1/21	$\text{NCCH}_2\text{COOCH(CH}_3)_3$, $\text{C}_7\text{H}_{13}\text{NO}_2$, M_r 141.17 [1116-98-9]			
		purum ~98% (GC); B.P. 40-42°; d_4^{20} 0.968; n_D^{20} 1.420;	1 lt ≈ 0.99 kg	100 ml 18. —	
		store in refrigerator			
sec-Butylcyanoacetic acid ethyl ester see 19790 Ethyl sec-butylcyanoacetate					
19799	Butylcyclohexane (1-Cyclohexylbutane)				
	3/3; 55°	$\text{CH}_2(\text{CH}_2)_3\text{CH(CH}_2)_5\text{CH}_3$, $\text{C}_{10}\text{H}_{20}$, M_r 140.27 [1678-93-9]			
		purum >99% (GC); B.P. 180-181°; d_4^{20} 0.799; n_D^{20} 1.441	1 lt ≈ 0.80 kg	5 ml 11. —	25 ml 46. —
19810	tert-Butylcyclohexane (2-Cyclohexyl-2-methylpropane)				
	3/3; 42°	$\text{CH}_2(\text{CH}_2)_5\text{CHC(CH}_3)_3$, $\text{C}_{10}\text{H}_{20}$, M_r 140.27 [3178-22-1]			
		purum >97% (GC); B.P. 169-171°; d_4^{20} 0.812; n_D^{20} 1.447	1 lt ≈ 0.81 kg	10 ml 18. —	50 ml 75. —
19841	4-tert-Butyl-1-cyclohexanone purum >97% (GC); M.P. 48-48°				
	3/4	$\text{CH}_2\text{CH}_2\text{COCH}_2\text{CH}_2\text{CHC(CH}_3)_3$, $\text{C}_{10}\text{H}_{18}\text{O}$, M_r 154.25 [98-53-3]		100 g 16. —	500 g 67. —
45855	4-tert-Butylcyclohexyl acetate (cis + trans) (Acetic acid-4-tert-butylcyclohexyl ester)				
	3/4; 94°	$(\text{CH}_2)_5\text{CCH(CH}_2)_5\text{CH}_2\text{OCOCH}_3$, $\text{C}_{12}\text{H}_{22}\text{O}_2$, M_r 198.31 [32210-23-4]			
		purum >99% (GC); B.P. 240-242°; d_4^{20} 0.936; n_D^{20} 1.452	1 lt ≈ 0.94 kg	100 ml 10. —	500 ml 37. —
19842	N-tert-Butylcyclohexylamine				
	3/3; 50°	$\text{CH}_2(\text{CH}_2)_5\text{CHNHC(CH}_3)_3$, $\text{C}_{10}\text{H}_{21}\text{N}$, M_r 155.29 [51609-06-4]			
		purum >98% (GC); B.P. 188-190°; d_4^{20} 0.834; n_D^{20} 1.448	1 lt ≈ 0.83 kg	10 ml 80. —	50 ml 250. —
19890	N-Butyldiethanolamine [N-Butyl bis(2-hydroxyethyl)amine; 2,2'-Butyliminodiethanol]				
		$\text{CH}_2(\text{CH}_2)_3\text{N(CH}_2\text{CH}_2\text{OH})_2$, $\text{C}_8\text{H}_{19}\text{NO}_2$, M_r 161.25 [102-79-4]			
		pract. >99% (TI); B.P. 264-265° dec. (Lit.); d_4^{20} 0.970; n_D^{20} 1.463	1 lt ≈ 0.97 kg	250 ml 12. —	1 lt 40. —
Butyldiglycol see 32250 Diethylene glycol monobutyl ether					
Butyldiglycol acetate see 32260 Diethylene glycol monobutyl ether acetate					
37285	Butyl 3,4-dihydro-2,2-dimethyl-4-oxo-2H-pyran-6-carboxylate				
	3/4; 70°	$\text{OC(CH}_3)_2\text{CH}_2\text{CH}_2\text{COCH}_2\text{COOCH}_2\text{CH}_2\text{CH}_3$, $\text{C}_{12}\text{H}_{18}\text{O}_4$, M_r 226.29 [532-34-3]			
		pract. ~85% (GC); B.P. 277-280°; d_4^{20} 1.052; n_D^{20} 1.477	1 lt ≈ 1.05 kg	50 ml 10. —	250 ml 40. —
Butyl dimethyl carbinol see 67380 2-Methyl-2-hexanol					
19905	tert-Butyldimethylchlorosilane [tert-Butylchlorodimethylsilane; tert-Butyldimethylsilyl chloride]				
	8/12	TBDMSCl $(\text{CH}_3)_3\text{CSi(CH}_3)_2\text{Cl}$, $\text{C}_6\text{H}_{15}\text{ClSi}$, M_r 150.73 [18162-48-6]			
		purum M.P. 82-86°. Useful derivatizing agent for preparative and analytical purposes. L. Fieser, M. Fieser, "Reagents for Organic Synthesis" 6, 78.			
		C. F. Poole in "Handbook of Derivatives for Chromatography", K. Biau, G. S. King ed., Heyden & Sons, London (1977). S. K. Chaudhary, O. Hernandez, Tetrahedron Lett. 99 (1979).		5 g 24. —	25 g 100. —

sFr.

sFr.

4-tert-Butyl-2,6-dimethyl-3,5-dinitroacetophenone see 60720 Ketone-Moschus

O-tert-Butyl S-(4,6-dimethyl-2-pyrimidinyl) thiocarbonate see 15459 S-BOC-2-mercapto-4,6-dimethylpyrimidine

tert-Butyldimethylsilyl chloride see 19905 tert-Butyldimethylchlorosilane

tert-Butyl-dimethylsilyl trifluoromethanesulfonate (Trifluoromethanesulfonic acid tert-butyldimethylsilylester)

91742	CF ₃ SO ₃ Si(CH ₃) ₂ C(CH ₃) ₃ C ₇ H ₁₅ F ₃ O ₃ SSi M _r 264.34 purum >99%(T); B.P. ₁₂ 65-67°; d ₄ ²⁰ 1.151; n _D ²⁰ 1.385; Powerful and strongly electrophilic reagent for the introduction of the tert-butyldimethylsilyl group: M. Riediker, W. Graf, Helv. Chim. Acta 62, 205 (1979) [see also H. Emde, G. Simchen, Synthesis 636, 867 (1977)]	1 lt ≈ 1.15 kg	5 ml 29. —	25 ml 120. —
-------	---	----------------	------------	--------------

tert-Butyldiphenylchlorosilane

19938	8/32b (CH ₃) ₃ CSi(C ₆ H ₅) ₂ Cl C ₁₆ H ₁₉ ClSi M _r 274.87 [58479-61-1] purum >99%(GC); B.P. _{0.01} 90°; d ₄ ²⁰ 1.074; n _D ²⁰ 1.568; Reagent for a new protection of hydroxy groups: S. Hanessian, P. Lavalle, Can. J. Chem. 53, 2975 (1975)	1 lt ≈ 1.07 kg	5 ml 13. —	25 ml 55. —
-------	--	----------------	------------	-------------

Butyl diphenylphosphinite see 20427 Butoxydiphenylphosphine

tert-Butyl disulfide (Di-tert-butyl disulfide)

34690	6.1/81g; 64° (CH ₃) ₃ CSSC(CH ₃) ₃ C ₆ H ₁₆ S ₂ M _r 178.36 [110-06-5] techn. 85-90%(GC); B.P. 199-201°; d ₄ ²⁰ 0.928; n _D ²⁰ 1.492	1 lt ≈ 0.93 kg	500 ml 26. —	
-------	---	----------------	--------------	--

"1,3-Butylene bromide" see 34040 1,3-Dibromobutane

1,3-Butylene glycol see 18940 1,3-Butanediol

"1,4-Butylene glycol" see 18960 1,4-Butanediol

2,3-Butylene glycol see 18970 2,3-Butanediol

1,2-Butylene oxide see 19930 1,2-Epoxybutane

N-Butylethanolamine see 19550 2-Butylaminoethanol

Butyl ether (Dibutyl ether)

34460	3/3; 30° [CH ₃ (CH ₂) ₃] ₂ O C ₈ H ₁₈ O M _r 130.23 [142-96-1] puriss. p.a. B.P. 140-142°; d ₄ ²⁰ 0.767; n _D ²⁰ 1.399 Fluka-Guarantee: Assay (GC) >99.0 % Nickel (Ni) <0.00001% Residue on evaporation <0.002 % Copper (Cu) <0.00001% Peroxide (PG) <0.000003% Lead (Pb) <0.00001% Xylene (UV) <0.05 % Cadmium (Cd) <0.00001% Iron (Fe) <0.00005 % Zinc (Zn) <0.00001% Cobalt (Co) <0.00001 %	1 lt ≈ 0.77 kg	500 ml 16. —	1 lt 30. —
34470	purum >99%(GC); B.P. 139-142°; d ₄ ²⁰ 0.767; n _D ²⁰ 1.399	1 lt ≈ 0.77 kg	1 lt 14. —	5 lt 60. —

sec-Butyl ether (Di-sec-butyl ether)

34480	3/1a; 3° CH ₃ CH ₂ CH(CH ₃)OCH(CH ₃)CH ₂ CH ₃ C ₈ H ₁₈ O M _r 130.23 [628-55-7] pract. >95%(GC); B.P. 116-122°; d ₄ ²⁰ 0.761; n _D ²⁰ 1.344; mixture of racemate and meso-form	1 lt ≈ 0.76 kg	1 lt 20. —	
-------	---	----------------	------------	--

Butyl ethyl carbinol see 51820 3-Heptanol

tert-Butyl ethyl carbinol see 41130 2,2-Dimethyl-3-pentanol

Butyl ethyl ether

03200	3/1a; -1° CH ₃ (CH ₂) ₃ OC ₂ H ₅ C ₆ H ₁₄ O M _r 102.18 [628-81-9] purum >98%(GC); B.P. 91-93°; d ₄ ²⁰ 0.748; n _D ²⁰ 1.382	1 lt ≈ 0.75 kg	25 ml 22. —	100 ml 80. —
-------	---	----------------	-------------	--------------

tert-Butyl ethyl ether

03202	3/1a; -1° C ₂ H ₅ OC(CH ₃) ₃ C ₆ H ₁₄ O M _r 102.18 [634-92-3] purum ~97%(GC); B.P. 65-68°; d ₄ ²⁰ 0.745; n _D ²⁰ 1.375	1 lt ≈ 0.75 kg	5 ml 16. —	25 ml 67. —
-------	--	----------------	------------	-------------

Butyl ethyl ketone see 03220 3-Heptanone

03240	2-Butyl-2-ethyl-1,3-propanediol purum M.P. 40-42° [3,3-Bis(hydroxymethyl)heptane] CH ₃ (CH ₂) ₃ C(CH ₂ OH) ₂ CH ₂ CH ₃ C ₉ H ₂₀ O ₂ M _r 160.26 [115-84-4]		100 g 15. —	500 g 63. —
-------	---	--	-------------	-------------

N-tert-Butylformamide

19935	3/4; 82° HCONHC(CH ₃) ₃ C ₆ H ₁₁ NO M _r 101.15 [16741-46-1] puriss. >99%(GC); B.P. ₁₂ 85-90°; d ₄ ²⁰ 0.903; n _D ²⁰ 1.433	1 lt ≈ 0.90 kg	50 ml 20. —	250 ml 85. —
-------	--	----------------	-------------	--------------



sFr.

sFr.

Butyl formate

3/1a; 18° $\text{HCOO}(\text{CH}_2)_3\text{CH}_3$ $\text{C}_6\text{H}_{10}\text{O}_2$ M_r 102.14 [592-84-7]

06511 pract. ~95%(GC); B.P. 105-107°; d_4^{20} 0.89; n_D^{20} 1.390;
contains 3-5% Butylalcohol

1 lt ≈ 0.89 kg

250 ml 20. —

1 lt 70. —

tert-Butyl formate (Formic acid tert-butylester)

3/4 $\text{HCOOC}(\text{CH}_3)_3$ $\text{C}_6\text{H}_{10}\text{O}_2$ M_r 102.14 [762-75-4]

06513 purum >99%(GC); B.P. 81-83°; d_4^{20} 0.879; n_D^{20} 1.380

1 lt ≈ 0.87 kg

10 ml 25. —

50 ml 105. —

Butyl gallate pract. >97%(NT); M.P. 139-141°; Antioxidant

$(\text{HO})_3\text{C}_6\text{H}_2\text{COO}(\text{CH}_2)_3\text{CH}_3$ $\text{C}_{11}\text{H}_{14}\text{O}_5$ M_r 226.23 [1083-41-6]

25 g 24. —

100 g 90. —

Butyl glycid ether purum >98%(GC); B.P. 166-168°; d_4^{20} 0.912; n_D^{20} 1.418

3/3; 22° $\text{QCH}_2\text{CHCH}_2\text{O}(\text{CH}_2)_3\text{CH}_3$ $\text{C}_7\text{H}_{14}\text{O}_2$ M_r 130.19 [2426-08-6]

1 lt ≈ 0.91 kg

250 ml 16. —

1 lt 55. —

Butyl glycol see 20400 2-Butoxyethanol

Butyl glycolate pract. ~95%(GC); B.P. 192-196°; d_4^{20} 1.014; n_D^{20} 1.425

3/4; 74° $\text{HOCH}_2\text{COO}(\text{CH}_2)_3\text{CH}_3$ $\text{C}_6\text{H}_{12}\text{O}_3$ M_r 132.16 [7397-62-8]

1 lt ≈ 1.01 kg

1 lt 28. —

5 lt 120. —

tert-Butylhydrazine hydrochloride pract. ~97%; M.P. 179-181° dec.

$(\text{CH}_3)_3\text{CNHNH}_2\cdot\text{HCl}$ $\text{C}_4\text{H}_{12}\text{N}_2\cdot\text{HCl}$ M_r 124.61 [7400-27-3]

50 g 11. —

250 g 46. —

Butylhydrazine oxalate purum >98%(T); M.P. 160-165°

$\text{CH}_3(\text{CH}_2)_3\text{NHNH}_2\cdot(\text{COOH})_2$ $\text{C}_4\text{H}_{12}\text{N}_2\cdot\text{C}_2\text{H}_2\text{O}_4$ M_r 178.19 [40711-41-9]

25 g 50. —

tert-Butyl hydroperoxide

5.2/31b $(\text{CH}_3)_3\text{COOH}$ $\text{C}_4\text{H}_{10}\text{O}_2$ M_r 90.12 [75-91-2]

19990 techn. 80% in Di-tert-butylperoxide; d_4^{20} 0.895; n_D^{20} 1.397;
store in refrigerator

1 lt ≈ 0.90 kg

100 ml 10. —

500 ml 40. —

tert-Butylhydroquinone pract. >98%(HPLC); M.P. 125-127°

$(\text{CH}_3)_3\text{CC}_6\text{H}_3(\text{OH})_2$ $\text{C}_{10}\text{H}_{14}\text{O}_2$ M_r 166.22 [1948-33-0]

100 g 9. —

500 g 34. —

3-tert-Butyl-4-hydroxyanisole (BHA) purum >98%(GC); M.P. 59-62°; Ash <0.05%

$\text{CH}_3\text{OC}_6\text{H}_3(\text{OH})\text{C}(\text{CH}_3)_3$ $\text{C}_{11}\text{H}_{16}\text{O}_2$ M_r 180.25 [121-00-6]

100 g 20. —

500 g 85. —

Butyl 4-hydroxybenzoate purum >98%(NT); M.P. 67-69°

$\text{HOC}_6\text{H}_4\text{COO}(\text{CH}_2)_3\text{CH}_3$ $\text{C}_{11}\text{H}_{14}\text{O}_3$ M_r 194.23 [94-26-8]

250 g 14. —

1 kg 50. —

tert-Butyl N-hydroxycarbamate

$(\text{CH}_3)_3\text{COCONHOH}$ $\text{C}_5\text{H}_{11}\text{NO}_3$ M_r 133.15 [36016-38-3]

55005 purum >98%(N); M.P. 53-55°; Reagent for the synthesis of α-aminooxy acids:
L. Kisfaludy et al., *Pept. Proc. Eur. Pept. Symp.* 12th, 405-412 (1972), ref.
CA 83m 193675n; important intermediate for the preparation of O-substituted
acyl hydroxylamines: L. A. Carpino et al., *J. Am. Chem. Soc.* 81, 955 (1959)

5 g 37. —

25 g 155. —

N-Butyl-2-hydroxyethylamine see 19550 2-Butylaminoethanol

O-tert-Butylhydroxylamine hydrochloride

$(\text{CH}_3)_3\text{CONH}_2\cdot\text{HCl}$ $\text{C}_4\text{H}_{11}\text{NO}\cdot\text{HCl}$ M_r 125.60 [39684-28-1]

20023 puriss. >99%(Cl); M.P. 153-154°; Useful reagent for the preparation of N-tert-
butoxyamino acids as substrates for the unambiguous synthesis of N-hydroxy
peptides: T. Kolasa, A. Chimiak, *Tetrahedron* 30, 3591 (1974)

1 g 30. —

5 g 125. —

"Butylhydroxytoluene" see 34750 2,6-Di-tert-butyl-p-cresol

1-Butylimidazole purum >97%(GC); B.P. 236-239°; d_4^{20} 0.950; n_D^{20} 1.480

3/4 $\text{CH}_3(\text{CH}_2)_3\text{NCH:NCH:CH}$ $\text{C}_7\text{H}_{12}\text{N}_2$ M_r 124.19 [4316-42-1]

1 lt ≈ 0.95 kg

100 ml 25. —

500 ml 105. —

2,2'-Butyliminodiethanol see 19880 N-Butyldiethanolamine

Butyl iodide see 20030 1-Iodobutane

sec-Butyl iodide see 20040 2-Iodobutane

tert-Butyl iodide see 20050 2-Iodo-2-methylpropane

Butyl isobutyrate

3/3; 42° $(\text{CH}_3)_2\text{CHCOO}(\text{CH}_2)_3\text{CH}_3$ $\text{C}_8\text{H}_{16}\text{O}_2$ M_r 144.22 [109-21-7]

58410 purum >99%(GC); B.P. 153-156°; d_4^{20} 0.862; n_D^{20} 1.402

1 lt ≈ 0.86 kg

250 ml 12. —

1 lt 40. —

Butyl isocyanate purum >98%(GC); B.P. 112-116°; d_4^{20} 0.89; n_D^{20} 1.411

6.1/2b; 11° $\text{CH}_3(\text{CH}_2)_3\text{NCO}$ $\text{C}_4\text{H}_9\text{NO}$ M_r 99.13 [111-36-4]

1 lt ≈ 0.89 kg

250 ml 17. —

1 lt 60. —

				sFr.	sFr.
	tert-Butyl isocyanate				
	6.1/2b	(CH ₃) ₃ CNCO C ₅ H ₉ NO M _r 99.13 [1609-86-5]			
20073		purum >98% (GC); B.P. 84° (Lit.); d ₄ ²⁰ 0.844; n _D ²⁰ 1.386; becomes turbide	1 lt ≈ 0.84 kg	100 ml 30. —	500 ml 125. —
	tert-Butyl isocyanide				
	6.1/2b	(CH ₃) ₃ CNC C ₅ H ₉ N M _r 83.14 [2769-64-4]			
20074		purum >98% (GC); B.P. 90-92°; d ₄ ²⁰ 0.736; n _D ²⁰ 1.376; severe poison; Contaminated glassware should be cleaned with a 5% mixture of H ₂ SO ₄ in Methanol	1 lt ≈ 0.74 kg	5 ml 34. —	25 ml 145. —
20075	N-tert-Butylisopropylamine pract. >98% (GC); d ₄ ²⁰ 0.733; n _D ²⁰ 1.398		1 lt ≈ 0.73 kg	5 ml 20. —	25 ml 85. —
	3/3; 25°	(CH ₃) ₃ CNHCH(CH ₃) ₂ C ₇ H ₁₇ N M _r 115.22 [7515-80-2]			
	Butyl isopropyl carbinol see 67170 2-Methyl-3-heptanol				
	tert-Butyl isopropyl carbinol see 92640 2,2,4-Trimethyl-3-pentanol				
20140	Butyl isothiocyanate purum >98% (GC); B.P. 116-118°; d ₄ ²⁰ 0.953; n _D ²⁰ 1.50		1 lt ≈ 0.95 kg	25 ml 31. —	100 ml 115. —
	6.1/21d	CH ₃ (CH ₂) ₃ NCS C ₆ H ₉ NS M _r 115.20 [592-82-5]			
20142	tert-Butyl isothiocyanate pract. B.P. 140-145°; d ₄ ²⁰ 0.926; n _D ²⁰ 1.466		1 lt ≈ 0.93 kg	5 ml 29. —	
	6.1/11; 34°	(CH ₃) ₃ CNCS C ₅ H ₉ NS M _r 115.20 [590-42-1]			
	Butyl L(—)-lactate				
	3/4; 75°	CH ₃ CH(OH)COO(CH ₂) ₃ CH ₃ C ₇ H ₁₄ O ₃ M _r 146.19 [34451-19-9]			
69819		purum >97% (GC); B.P. 183-190°; d ₄ ²⁰ 0.979; n _D ²⁰ 1.420; [α] _D ²⁰ — 15±1°; [α] _D ²⁰ — 13±1°	1 lt ≈ 0.98 kg	250 ml 9. —	1 lt 30. —
61642	Butyl laurate purum >99% (GC); B.P. 194° (Lit.); d ₄ ²⁰ 0.860; n _D ²⁰ 1.435		1 lt ≈ 0.86 kg	250 ml 22. —	1 lt 80. —
		CH ₃ (CH ₂) ₁₀ COO(CH ₂) ₃ CH ₃ C ₁₆ H ₃₂ O ₂ M _r 256.43 [106-18-3]			
	Butyllithium (Lithium 1-butanide)				
	3/1a	CH ₃ (CH ₂) ₃ Li C ₄ H ₉ Li M _r 64.06 [109-72-8]			
20160		pract. ~2 m in Hexane; d ₄ ²⁰ 0.70; limited shelf life; store in refrigerator	1 lt ≈ 0.70 kg	100 ml 20. —	
	tert-Butyllithium (Lithium 2-methyl-2-propanide)				
	3/1a	(CH ₃) ₃ CLi C ₄ H ₉ Li M _r 64.06 [594-19-4]			
20190		pract. ~1.7 m in Pentane; d ₄ ²⁰ 0.65; limited shelf life; store in refrigerator	1 lt ≈ 0.65 kg	100 ml 65. —	
	Butylmercaptan see 20210 1-Butanethiol				
	sec-Butylmercaptan see 20220 2-Butanethiol				
	tert-Butylmercaptan see 20230 2-Methyl-2-propanethiol				
	S-tert-Butylmercapto-L-cysteine				
	6.1/81a	(CH ₃) ₃ CSSCH ₂ CH(NH ₂)COOH C ₇ H ₁₅ NO ₂ S ₂ M _r 209.33 [30044-51-0]			
20235		purum >97% (T); M.P. ~190° dec.; ~3% L-Cysteine; Important S-protected cysteine-residue for peptide synthesis: E. Wünsch in Houben-Weyl, Meth. der Org. Chem. 15/1, 792 (1974)		10 g 25. —	50 g 105. —
	Butyl methacrylate				
	3/3; 54°	CH ₂ =C(CH ₃)COO(CH ₂) ₃ CH ₃ C ₈ H ₁₄ O ₂ M _r 142.20 [97-88-1]			
64110		purum stab. with 0.005% hydroquinone; >99% (GC); B.P. 104-106°; d ₄ ²⁰ 0.896; n _D ²⁰ 1.423	1 lt ≈ 0.90 kg	500 ml 13. —	2.5 lt 55. —
	N-Butylmethylaniline (N-Methylbutylaniline)				
	8/35; -1°	CH ₃ NH(CH ₂) ₃ CH ₃ C ₈ H ₁₃ N M _r 87.17 [110-68-9]			
20251		purum >98% (GC); B.P. 87-90°; d ₄ ²⁰ 0.736; n _D ²⁰ 1.401	1 lt ≈ 0.74 kg	250 ml 9. —	1 lt 30. —
	N-tert-Butylmethylaniline				
	3/5; -18°	(CH ₃) ₃ CNHCH ₃ C ₈ H ₁₃ N M _r 87.17 [14610-37-8]			
20253		purum >98% (GC); B.P. 65-68°; d ₄ ²⁰ 0.727; n _D ²⁰ 1.396	1 lt ≈ 0.73 kg	5 ml 32. —	25 ml 135. —
	Butyl 2-methylbutyrate				
	3/4; 58°	CH ₃ CH ₂ CH(CH ₃)COOCH ₂ CH ₂ CH ₂ CH ₃ C ₉ H ₁₈ O ₂ M _r 158.24 [51115-64-1]			
66137		purum >98% (GC); B.P. 174-176°; d ₄ ²⁰ 0.863; n _D ²⁰ 1.409	1 lt ≈ 0.86 kg	25 ml 24. —	100 ml 90. —
	Butyl methyl carbinol see 52850 2-Hexanol				
	sec-Butyl methyl carbinol see 68410 3-Methyl-2-pentanol				
	tert-Butyl methyl carbinol see 39800 3,3-Dimethyl-2-butanol				

sFr.

sFr.

Butyl methyl ether3/1a; -10° CH₃(CH₂)₃OCH₃ C₈H₁₈O M_r 88.15 [628-28-4]

20250	puriss. >99%(GC); B.P. 69-71°; d ₄ ²⁰ 0.744; n _D ²⁰ 1.375	1 lt ≈ 0.74 kg	25 ml 17.—	100 ml 60.—
-------	---	----------------	------------	-------------

tert-Butyl methyl ether3/1a; -8° (CH₃)₃COCH₃ C₈H₁₈O M_r 88.15 [1634-04-4]

20247	for HPLC; B.P. 53°; n _D ²⁰ 1.369; UV cut-off 220 nm	1 lt ≈ 0.74 kg	500 ml 12.—	1 lt 22.—	2.5 lt 50.—
20248	ε (Al ₂ O ₃) 0.20; H ₂ O <0.1% for UV-spectroscopy	1 lt ≈ 0.74 kg	500 ml 15.—	2.5 lt 63.—	

Fluka-Guarantee:

Layer thickness: 1 cm, Path vs.: Dist. water

Wavelength (nm): 210 240 260 280 300

Absorbance in %: 20 60 85 96 >98

20249	puriss. p.a. absolute	1 lt ≈ 0.74 kg	1 lt 20.—	2.5 lt 46.—
-------	-----------------------	----------------	-----------	-------------

Fluka-Guarantee:

Assay >99.5 % Iron (Fe) <0.00005%

Water (H₂O) <0.05 % Copper (Cu) <0.00001%

Residue on evaporation <0.001 % Lead (Pb) <0.00001%

Free acid (as CH₃COOH) <0.0005 % Cadmium (Cd) <0.00001%

Peroxide <0.00001% Zinc (Zn) <0.00001%

20252	purum >98%(GC); B.P. 53-56°; d ₄ ²⁰ 0.742; n _D ²⁰ 1.369	1 lt ≈ 0.74 kg	1 lt 10.—	2.5 lt 22.—
-------	---	----------------	-----------	-------------

**2-tert-Butyl-5-methylisoxazolium perchlorate** see 95450 Woodward's Reagent L**Butyl methyl ketone** see 20260 2-Hexanone**tert-Butyl methyl ketone** see 80570 3,3-Dimethyl-2-butanone**tert-Butyl methyl malonate**CH₃OCOCH₂COOC(CH₃)₃ C₈H₁₄O₄ M_r 174.20 [42726-73-8]

63310	pract. ~95%(GC) + ~5% Dimethyl malonate; B.P. ₁₁ 80°; n _D ²⁰ 1.415	1 lt ≈ 1.03 kg	10 ml 40.—	50 ml 170.—
-------	--	----------------	------------	-------------

2-tert-Butyl-4-methylphenol (2-tert-Butyl-p-cresol)6.1/22a (CH₃)₃CC₆H₃(CH₃)OH C₁₁H₁₆O M_r 164.25 [2409-55-4]

20290	purum >98%(GC); M.P. 50-52°; 1 g clearly soluble in 10 ml Methanol		100 g 7.—	500 g 24.—
-------	--	--	-----------	------------

4-tert-Butyl-2-methylphenol (4-tert-Butyl-o-cresol)6.1/22a (CH₃)₃CC₆H₃(CH₃)OH C₁₁H₁₆O M_r 164.25 [98-27-1]

20300	pract. ~95%(GC); B.P. ₈ 116-120°; d ₄ ²⁰ 0.974; n _D ²⁰ 1.522	1 lt ≈ 0.97 kg	250 ml 12.—	1 lt 40.—
-------	---	----------------	-------------	-----------

2-tert-Butyl-6-methylphenol pract. M.P. 27-29° (6-tert-Butyl-o-cresol)6.1/22a (CH₃)₃CC₆H₃(CH₃)OH C₁₁H₁₆O M_r 164.24 [2219-82-1]

20310			250 g 13.—	1 kg 45.—
-------	--	--	------------	-----------

2-tert-Butyl-5-methylphenol (6-tert-Butyl-m-cresol)6.1/22a (CH₃)₃CC₆H₃(CH₃)OH C₁₁H₁₆O M_r 164.25 [88-60-8]

20320	pract. ~95%(GC); M.P. 18-22°; B.P. ₂₀ 129° (Lit.); d ₄ ²⁰ 0.965; n _D ²⁰ 1.518; hygroscopic	1 lt ≈ 0.97 kg	250 ml 12.—	1 lt 40.—
-------	--	----------------	-------------	-----------

tert-Butyl nitrite pract. >90%(GC); B.P. 61-63°; d₄²⁰ 0.868; n_D²⁰ 1.3683/19; <-10° (CH₃)₃CONO C₄H₉NO₂ M_r 103.12 [540-80-7]

20370		1 lt ≈ 0.87 kg	100 ml 12.—	500 ml 50.—
-------	--	----------------	-------------	-------------

tert-Butyl 4-nitrophenylcarbonate (BOC-ONP; Carbonic acid tert-butyl-4-nitrophenyl ester)(CH₃)₃COCOOCC₆H₄NO₂ C₁₁H₁₃NO₅ M_r 239.23 [13303-10-1]

20375	purum ~96%(HPLC); M.P. 75-77°; store in refrigerator	10 g 30.—	25 g 67.—	100 g 240.—
-------	--	-----------	-----------	-------------

tert-Butyloxycarbonyl-hydrazide see 19740 tert-Butyl carbazate**Butyl-PBD** see 20526 2-(4-tert-Butylphenyl)-5-(4-biphenyl)-1,3,4-oxadiazole**Butyl pentyl carbinol** see 30630 5-Decanol**tert-Butyl perbenzoate**5.2/4a C₆H₅COOOC(CH₃)₃ C₁₁H₁₄O₃ M_r 194.23 [614-45-9]

77200	pract. ~10% tert-Butyl benzoate; d ₄ ²⁰ 1.034; n _D ²⁰ 1.496	1 lt ≈ 1.03 kg	100 ml 12.—	500 ml 50.—
-------	---	----------------	-------------	-------------

tert-Butyl peroxide (Di-tert-butyl peroxide)5.2/1a; 18° (CH₃)₃COOC(CH₃)₃ C₈H₁₈O₂ M_r 146.23 [110-05-4]

34790	pract. >95%(HPLC); d ₄ ²⁰ 0.794; n _D ²⁰ 1.398; <5% tert-Butyl-hydroperoxid; store in refrigerator	1 lt ≈ 0.79 kg	250 ml 12.—	1 lt 40.—
-------	--	----------------	-------------	-----------

2-tert-Butylphenol pract. >97%(GC); B.P. 221° (Lit.); d₄²⁰ 0.982; n_D²⁰ 1.5236.1/22 (CH₃)₃CC₆H₄OH C₁₀H₁₄O M_r 150.22 [88-18-6]

20500		1 lt ≈ 0.98 kg	250 ml 10.—	1 lt 35.—
-------	--	----------------	-------------	-----------

					sFr.	sFr.
	4-tert-Butylphenol					
	6.1/22	(CH ₃) ₃ CC ₆ H ₄ OH	C ₁₀ H ₁₄ O	M _r 150.22 [98-54-4]		
20520		puriss. CHR ~99%(NT); M.P. 98-99°			25 g 10. —	100 g 35. —
20525		purum >97%(NT); M.P. 96-98°			1 kg 14. —	5 kg 60. —
	2-(4-tert-Butylphenyl)-5-(4-biphenyl)-1,3,4-oxadiazole, Butyl-PBD					
		C ₂₄ H ₂₂ N ₂ O	M _r 354.46 [15082-28-7]			
20526		purum >99%(UV); M.P. 137-139°; for Scintillation; 1 g clearly and colourless soluble in 10 ml Toluene			10 g 18. —	50 g 75. —
	tert-Butyl phenyl carbonate					
		(CH ₃) ₃ COCOOC ₆ H ₅	C ₁₁ H ₁₄ O ₃	M _r 194.23 [6627-89-0]		
20528		purum >97%(GC); B.P. 83°; d ₄ ²⁰ 1.05; n _D ²⁰ 1.480; Reagent for the preparation of BOC-amino acids: G. Bram, THL 469 (1973); U. Ragnarsson et al., Acta Chem. Scand. 26, 2550 (1972)		1 lt ≈ 1.05 kg	25 ml 16. —	100 ml 55. —
	tert-Butyl phenyl ketone see 20540 2,2-Dimethylpropiophenone					
	tert-Butyl propionate					
	3/1a; 16°	CH ₃ CH ₂ COOC(CH ₃) ₃	C ₇ H ₁₄ O ₂	M _r 130.19 [540-42-1]		
81960		purum >98%(GC); B.P. 116-118°; d ₄ ²⁰ 0.863; n _D ²⁰ 1.393		1 lt ≈ 0.86 kg	50 ml 34. —	250 ml 145. —
	Butyl propyl carbinol see 74880 4-Octanol					
20580	4-tert-Butylpyridine	purum >98%(GC); B.P. 194-197°; d ₄ ²⁰ 0.923; n _D ²⁰ 1.495		1 lt ≈ 0.92 kg	25 ml 14. —	100 ml 50. —
		CH:CHN:CHCH:CC(CH ₃) ₃	C ₉ H ₁₃ N	M _r 135.21 [3978-81-2]		
20585	1-Butylpyrrolidine	purum >97%(GC); B.P. 151° (Lit.); d ₄ ²⁰ 0.817; n _D ²⁰ 1.438		1 lt ≈ 0.82 kg	250 ml 20. —	
	3/3; 36°	CH ₃ (CH ₂) ₃ N(CH ₂) ₃ CH ₂	C ₈ H ₁₇ N	M _r 127.23 [15185-01-0]		
	tert-Butyl 8-quinolinylnyl carbonate					
		(CH ₃) ₃ COCOOC ₆ H ₃ N:CHCH:CH	C ₁₄ H ₁₅ NO ₃	M _r 245.27 [18595-55-6]		
19743		purum >99%(HPLC); M.P. 75-76°; Reagent for the synthesis of BOC-amino acids: B. R. Zeszotarska, S. Wiejak, K. Pawelczak, Org. Prop. Proc. Int. 5, 71 (1973)			5 g 10. —	25 g 40. —
	Butyl stearate					
		CH ₃ (CH ₂) ₁₆ COO(CH ₂) ₃ CH ₃	C ₂₂ H ₄₄ O ₂	M _r 340.60 [123-95-5]		
85720		techn. 40-50%(GC); Rest Butyl Palmitate; M.P. 17-22°; d ₄ ²⁰ 0.861; n _D ²⁰ 1.443		1 lt ≈ 0.86 kg	1 lt 14. —	5 lt 60. —
	Butyl sulfide (Dibutyl sulfide)					
	3/4; 62°	CH ₃ (CH ₂) ₃ S(CH ₂) ₃ CH ₃	C ₈ H ₁₈ S	M _r 146.30 [544-40-1]		
34840		pract. ~97%(GC); B.P. 185-186°; d ₄ ²⁰ 0.838; n _D ²⁰ 1.453		1 lt ≈ 0.84 kg	100 ml 28. —	500 ml 120. —
	tert-Butyl sulfide (Di-tert-butyl sulfide)					
	3/3; 31°	(CH ₃) ₃ CSC(CH ₃) ₃	C ₈ H ₁₈ S	M _r 146.30 [107-47-1]		
34860		purum >98%(GC); B.P. 148-149° (Lit.); d ₄ ²⁰ 0.826; n _D ²⁰ 1.452		1 lt ≈ 0.83 kg	100 ml 16. —	500 ml 67. —
34870	Butyl sulfone	pract. M.P. 42-44° (Dibutyl sulfone)			50 g 29. —	
		(CH ₃ CH ₂ CH ₂ CH ₂) ₂ SO ₂	C ₈ H ₁₈ O ₂ S	M _r 178.29 [598-04-9]		
	Butyltin trichloride					
	6.1/81f	CH ₃ (CH ₂) ₃ SnCl ₃	C ₄ H ₉ Cl ₃ Sn	M _r 282.17 [1118-46-3]		
20700		pract. ~98%; B.P. 95-98°; d ₄ ²⁰ 0.172; store in refrigerator		1 lt ≈ 1.72 kg	25 ml 29. —	
	tert-Butyl 2,4,5-trichlorophenyl carbonate (BOC-OTCP)					
		(CH ₃) ₃ COCOOC ₆ H ₂ Cl ₃	C ₁₁ H ₁₁ Cl ₃ O ₃	M _r 297.57 [16965-08-5]		
20660		puriss. >99%(HPLC); M.P. 67-68°; For the synthesis of BOC-amino acids and their 2,4,5-trichlorophenyl esters in situ: W. Broadbent et al., J. Chem. Soc. 2632 (1967)			5 g 10. —	25 g 40. —
	tert-Butyl trimethylsilylacetate					
	3/3; 42°	(CH ₃) ₃ SiCH ₂ COOC(CH ₃) ₃	C ₉ H ₂₀ O ₂ Si	M _r 188.34 [41108-81-0]		
92759		purum B.P. 59-62°; d ₄ ²⁰ 0.860; n _D ²⁰ 1.417; Reagent for the synthesis of α,β-unsaturated esters: S. L. Hartzell et al., Tetrahedron Lett. 1403 (1974); formation of β-keto esters: S. L. Hartzell, M. W. Rathke, Tetrahedron Lett. 2737, 2757 (1976)		1 lt ≈ 0.86 kg	5 ml 37. —	25 ml 155. —
20600	Butyltriphenylphosphonium bromide, TBP	purum			25 g 13. —	100 g 45. —
		C ₂₂ H ₂₄ PBr	M _r 399.32 [1779-51-7]			
20670	Butyltripropylammonium bromide	purum ~97%(Br); M.P. ~220° dec.			10 g 16. —	50 g 67. —
		(CH ₃ CH ₂ CH ₂) ₃ N(Br)CH ₂ CH ₂ CH ₂ CH ₃	C ₁₃ H ₃₀ BrN	M _r 280.30 [61175-77-7]		

		sFr.	sFr.
19939	N-tert-Butylurea pract. ~97%(N); M.P. ~185° dec.; Ash <1% (CH ₃) ₃ CNHCONH ₂ C ₆ H ₁₂ N ₂ O M _r 116.16 [1118-12-3]	10 g 13. —	50 g 55. —
19940	N-Butylurea purum >99%(N); M.P. 95-98° CH ₃ (CH ₂) ₃ NHCONH ₂ C ₆ H ₁₂ N ₂ O M _r 116.16 [592-31-4]	100 g 20. —	500 g 85. —
Butyl vinylcarbinol see 51930 1-Hepten-3-ol			
Butyl vinyl ether (Vinyl butyl ether) 3/1a; -12° CH ₃ (CH ₂) ₃ OCH:CH ₂ C ₆ H ₁₂ O M _r 100.16 [111-34-2]			
20680	purum >97%(GC); B.P. 92-94°; d ₄ ²⁰ 0.778; n _D ²⁰ 1.400	1 lt ≈ 0.78 kg	250 ml 10. — 1 lt 35. —
5-tert-Butyl-m-xylene (sym.-tert-Butyl-m-xylene) 3/4; 68° (CH ₃) ₃ CC ₆ H ₃ (CH ₃) ₂ C ₁₂ H ₁₈ M _r 162.28 [98-19-1]			
20690	purum ~97%(GC); B.P. 203-205°; d ₄ ²⁰ 0.864; n _D ²⁰ 1.495	1 lt ≈ 0.86 kg	250 ml 22. — 1 lt 80. —
19178	2-Butyne purum ~96%(GC); B.P. 24-27°; d ₄ ²⁰ 0.689; n _D ²⁰ 1.393 3a/1a CH ₃ C:CCH ₃ C ₄ H ₆ M _r 54.09 [503-17-3]	1 lt ≈ 0.69 kg	5 ml 17. — 25 ml 70. —
2-Butyne-1,4-diol HOCH ₂ C:CCH ₂ OH C ₄ H ₆ O ₂ M _r 86.09 [110-65-6]			
19180	puriss. cryst. >99%(GC); M.P. 54-57°		100 g 25. — 500 g 105. —
19190	pract. M.P. 50-55°		250 g 8. — 1 kg 25. —
2-Butyne-1,4-diol-bis-2-hydroxyethyl ether see 14850 1,4-Bis-(2-hydroxyethoxy)-2-butyne			
19200	3-Butyn-2-ol pract. 40-50% in water; d ₄ ²⁰ 0.958; n _D ²⁰ 1.395 CH ₃ CH(OH)C:CH C ₄ H ₆ O M _r 70.09 [2028-63-9]	1 lt ≈ 0.96 kg	100 ml 14. — 500 ml 60. —
Butyraldehyde (Aldehyde C ₄ ; Butanal) 3/1a; -5° CH ₃ CH ₂ CH ₂ CHO C ₄ H ₈ O M _r 72.11 [123-72-8]			
20710	puriss. stab. with 0.1% Hydroquinone; >99%(GC); B.P. 74-75°; d ₄ ²⁰ 0.801; n _D ²⁰ 1.380; <1% Butyric acid	1 lt ≈ 0.80 kg	100 ml 7. — 500 ml 16. — 1 lt 30. —
20711	purum >97%(GC); d ₄ ²⁰ 0.80; n _D ²⁰ 1.379; <3% Butyric acid	1 lt ≈ 0.80 kg	1 lt 10. — 2.5 lt 22. —
19240	Butyramide purum >98%(T); M.P. 114-116° (Amide C ₄) CH ₃ CH ₂ CH ₂ CONH ₂ C ₄ H ₉ NO M _r 87.12 [541-35-5]		100 g 20. — 500 g 85. —
Butyric acid (Carboxylic acid C ₄) 3/4; 72° CH ₃ CH ₂ CH ₂ COOH C ₄ H ₈ O ₂ M _r 88.11 [107-92-6]			
19210	puriss. p.a. >99.5%(GC); M.P. -5--3°; B.P. 162-163°; d ₄ ²⁰ 0.958; n _D ²⁰ 1.399	1 lt ≈ 0.96 kg	250 ml 10. — 1 lt 35. —
19220	purum ~98%(GC); M.P. -6--3°; B.P. 161-163°; d ₄ ²⁰ 0.958; n _D ²⁰ 1.398	1 lt ≈ 0.96 kg	1 lt 13. — 2.5 lt 29. —
Butyric acid 1-naphthylester see 19363 1-Naphthyl butyrate			
Butyric anhydride 3/4; 87° (CH ₃ CH ₂ CH ₂ CO) ₂ O C ₈ H ₁₄ O ₃ M _r 158.20 [106-31-0]			
19260	puriss. >99%(NT); B.P. 118-120°; d ₄ ²⁰ 0.968; n _D ²⁰ 1.412	1 lt ≈ 0.97 kg	100 ml 9. — 500 ml 34. —
19270	purum >97%(NT); d ₄ ²⁰ 0.968; n _D ²⁰ 1.412	1 lt ≈ 0.97 kg	250 ml 8. — 1 lt 25. —
Butyrolactam see 83300 2-Pyrrolidone			
4-Butyrolactone 6.1/61 CH ₂ CH ₂ CH ₂ COO C ₄ H ₆ O ₂ M _r 86.09 [96-48-0]			
20740	puriss. >99.5%(GC); B.P. 118-120°; d ₄ ²⁰ 1.125; n _D ²⁰ 1.436	1 lt ≈ 1.12 kg	100 ml 7. — 500 ml 17. — 2.5 lt 70. —
20741	purum >98%(GC); d ₄ ²⁰ 1.126; n _D ²⁰ 1.436	1 lt ≈ 1.12 kg	1 lt 18. — 5 lt 75. —
Butyrone see 43570 4-Heptanone			
Butyronitrile (Nitrile C ₄ ; Propyl cyanide) 6.1/2b; 18° CH ₃ CH ₂ CH ₂ CN C ₄ H ₇ N M _r 69.11 [109-74-0]			
20750	puriss. p.a. >99.5%(GC); B.P. 115-117°; d ₄ ²⁰ 0.788; n _D ²⁰ 1.384	1 lt ≈ 0.79 kg	100 ml 9. — 500 ml 32. —
20760	purum >99%(GC)	1 lt ≈ 0.79 kg	1 lt 25. — 5 lt 105. —
Butyrophenone (Phenyl propyl ketone) 3/4; 97° C ₆ H ₅ COCH ₂ CH ₂ CH ₃ C ₁₀ H ₁₂ O M _r 148.21 [495-40-9]			
20770	purum >98%(GC); M.P. 11-13°; B.P. 100-102°; d ₄ ²⁰ 0.988; n _D ²⁰ 1.520	1 lt ≈ 0.99 kg	100 ml 18. — 500 ml 75. —
Butyryl chloride 8/22 CH ₃ CH ₂ CH ₂ COCl C ₄ H ₇ ClO M _r 106.55 [141-75-3]			
19310	purum >98%; B.P. 98-102°; d ₄ ²⁰ 1.028; n _D ²⁰ 1.412; store in refrigerator	1 lt ≈ 1.03 kg	250 ml 14. — 1 lt 50. —

				sFr.	sFr.
20772	Butyrylcholine bromide purum >98%(Br) $\text{CH}_3\text{CH}_2\text{CH}_2\text{COOCH}_2\text{CH}_2\text{N}(\text{Br})(\text{CH}_3)_3$ $\text{C}_9\text{H}_{20}\text{BrNO}_2$ M_r 254.17 [18956-84-8]			25 g 20.—	
20775	Butyrylcholine chloride puriss. >99%(Cl) $\text{CH}_3\text{CH}_2\text{CH}_2\text{COOCH}_2\text{CH}_2\text{N}(\text{Cl})(\text{CH}_3)_3$ $\text{C}_9\text{H}_{20}\text{ClNO}_2$ M_r 209.72 [2963-78-2]			10 g 11.—	50 g 46.—
20780	Butyrylcholine iodide puriss. ~99%(I); M.P. 85-87°; store in refrigerator $\text{CH}_3\text{CH}_2\text{CH}_2\text{COOCH}_2\text{CH}_2\text{N}(\text{I})(\text{CH}_3)_3$ $\text{C}_9\text{H}_{20}\text{INO}_2$ M_r 301.17 [2494-56-6]			25 g 14.—	100 g 50.—
	3-Butyryloxyindole see 57430 Indoxyl butyrate				
	1-Butyryl-2-methylbenzene see 66150 2-Methylbutyrophenone				
	S-Butyrylthiocholine iodide $(\text{CH}_3)_3\text{N}(\text{I})\text{CH}_2\text{CH}_2\text{SCOCH}_2\text{CH}_2\text{CH}_3$ $\text{C}_9\text{H}_{20}\text{INOS}$ M_r 317.23 [1866-16-6]				
20819	puriss. biochim. >99%(I); M.P. 172-174°; <0.013% Thiocholin; Ash <0.05%; 1 g clearly and colourless soluble in 10 ml Methanol; store in refrigerator			1 g 8.—	5 g 24.—
20820	puriss. ~99%(I); M.P. 170-172°; store in refrigerator	1 g 7.—		5 g 16.—	25 g 67.—
	2-Butyryltoluene see 66150 2-Methylbutyrophenone				
	Cacodylic acid Sodium salt (Dimethylarsinic acid Sodium salt; Sodium cacodylate) $(\text{CH}_3)_2\text{AsO}_2\text{Na} \cdot 3\text{H}_2\text{O}$ $\text{C}_2\text{H}_6\text{AsNaO}_2 \cdot 3\text{H}_2\text{O}$ M_r 214.03 [124-65-2]				
20840	purum >98%(NT); 1 g clearly and colourless soluble in 10 ml water	25 g 9.—		100 g 28.—	500 g 120.—
	Cacotheline 6.1/81e $\text{C}_{21}\text{H}_{21}\text{N}_3\text{O}_7$ M_r 427.42 [561-20-6]				
20850	p.a. for Sn determ.; Ash <0.1%; Redox indicator for Fe(III) and Ca; Z. analyt. Chem. 153, 346 (1956), and 155, 334 (1957)			10 g 20.—	50 g 85.—
	Cadaverine see 33211 1,5-Diaminopentane				
	Cadion [1-(4-Nitrophenyl)-3-(4-phenylazophenyl)triazene] $\text{NO}_2\text{C}_6\text{H}_4\text{N}:\text{NNHC}_6\text{H}_4\text{N}:\text{NC}_6\text{H}_5$ $\text{C}_{18}\text{H}_{14}\text{N}_6\text{O}_2$ M_r 346.35 [5392-67-6]				
20860	p.a.; determination: Cd, Mg; Anal. Chim. Acta 19, 377 (1958)			5 g 20.—	25 g 85.—
	Cadmium Cd A_r 112.40 [7440-43-9]				
20870	puriss. >99.9998%			10 g 10.—	50 g 40.—
20890	purum p.a. granulated, iron free; for Metal reduction 99.99%			100 g 14.—	500 g 60.—
20900	purum in sticks >99.99%			100 g 12.—	500 g 50.—
20902	Cadmium (Coating quality BALZERS) 99.9998%; sticks, diameter 6 mm			100 g 85.—	500 g 300.—
	Cadmium Ion Standard Solution FLUKA				
20895	1.000 g Cadmium/Liter/20°/prepared from $\text{Cd}(\text{NO}_3)_2$; pH 1.5 adjusted with HNO_3	1 lt ≈ 1.00 kg		500 ml 18.—	
	Cadmium acetate 6.1/81h $\text{Cd}(\text{CH}_3\text{COO})_2 \cdot 2\text{H}_2\text{O}$ $\text{C}_4\text{H}_6\text{CdO}_4 \cdot 2\text{H}_2\text{O}$ M_r 266.52 [543-90-8]				
20901	purum p.a. Fluka-Guarantee:			100 g 8.—	500 g 26.—
	Assay >98.0 % Lead (Pb) <0.01 %				
	Chloride (Cl) <0.005% Iron (Fe) <0.005%				
	Sulfate (SO_4) <0.005% Zinc (Zn) <0.005%				
	Copper (Cu) <0.005% Calcium (Ca) <0.005%				
20904	pract. ~97%			250 g 10.—	1 kg 32.—
20905	Cadmium bromide purum ~97%(Br) $\text{CdBr}_2 \cdot 4\text{H}_2\text{O}$ $\text{Br}_2\text{Cd} \cdot 4\text{H}_2\text{O}$ M_r 344.20 [7789-42-6]			250 g 14.—	1 kg 50.—
20907	Cadmium carbonate purum p.a. powder 6.1/81 CdCO_3 CCdO_3 M_r 172.41 [513-78-0]			250 g 18.—	1 kg 65.—
	Fluka-Guarantee:				
	Assay >98.0 % Copper (Cu) <0.005%				
	Chloride (Cl) <0.005% Lead (Pb) <0.005%				
	Sulfate (SO_4) <0.005% Iron (Fe) <0.005%				
20906	Cadmium chloride purum ~97%(Cl) 6.1/81h $\text{CdCl}_2 \cdot 2\text{H}_2\text{O}$ M_r 219.34 [10108-64-2]			100 g 9.—	500 g 32.—
20908	Cadmium fluoride pract. >95% 6.1/81h CdF_2 M_r 150.40 [7790-79-6]			100 g 14.—	500 g 60.—



					sFr.	sFr.
20910	Cadmium iodide purum p.a. 6.1/81j CdI_2 M_r 366.21 [7790-80-9] Fluka-Guarantee: Assay >98.0 % Lead (Pb) <0.005% Chloride (Cl) <0.005% Iron (Fe) <0.005% Sulfate (SO_4) <0.005% Zinc (Zn) <0.005% Copper (Cu) <0.005% Calcium (Ca) <0.005%				250 g 20. —	1 kg 70. —
20911	Cadmium nitrate purum p.a. 6.1/81h $\text{Cd}(\text{NO}_3)_2 \cdot 4\text{H}_2\text{O}$ $\text{CdN}_2\text{O}_8 \cdot 4\text{H}_2\text{O}$ M_r 308.47 [10325-94-7] Fluka-Guarantee: Assay >98.0 % Lead (Pb) <0.005% Chloride (Cl) <0.005% Iron (Fe) <0.005% Sulfate (SO_4) <0.005% Zinc (Zn) <0.005% Copper (Cu) <0.005% Calcium (Ca) <0.005%				100 g 7. —	500 g 21. —
20913	Cadmium oxide brown purum >98% 6.1/81h CdO M_r 128.40 [1306-19-0]				100 g 10. —	500 g 42. —
20903	Cadmium selenide (Coating quality BALZERS) 99.99%; Mesh size 0.7-3.5 mm 6.1/81h [1306-24-7]				10 g 40. —	100 g 300. —
20920	Cadmium sulfate puriss. p.a. 6.1/81h $3\text{CdSO}_4 \cdot 8\text{H}_2\text{O}$ M_r 769.52 [10124-36-4] Fluka-Guarantee: Assay >99.0 % Zinc (Zn) <0.01 % Insolubles in water <0.005% Iron (Fe) <0.0005% Chloride (Cl) <0.001% Aluminum (Al) <0.001 % Nitrate (NO_3) <0.002% Components not precipitated Lead (Pb) <0.005% with H_2S (as SO_4) <0.25 % Copper (Cu) <0.002%				100 g 10. —	500 g 37. —
20930	Cadmium sulfide yellow; puriss. 99.999% spectroscopic grade 6.1/81h CdS M_r 144.46 [1306-23-6]				10 g 14. —	50 g 60. —
20932	Cadmium sulfide (Coating quality BALZERS) 6.1/81h 99.999%; Tablets				10 g 40. —	100 g 300. —
20933	99%; Mesh size 0.05-0.2 mm				10 g 20. —	100 g 130. —
20942	Cadmium telluride (Coating quality BALZERS) 99.99%; Mesh size 0.7-3.5 mm				10 g 40. —	100 g 300. —
60020	Caffeic acid (3,4-Dihydroxycinnamic acid) (HO) $_2\text{C}_6\text{H}_3\text{CH}:\text{CHCOOH}$ $\text{C}_9\text{H}_6\text{O}_4$ M_r 180.16 [331-39-5] purum CHR ~97%(T); M.P. 215-220° dec.; Ash <0.08%				10 g 13. —	50 g 55. —
27600	Caffeine anhydrous (1,3,7-Trimethylxanthine) $\text{C}_8\text{H}_{10}\text{N}_4\text{O}_2$ M_r 194.20 [58-08-2] purum powder Ph. Eur.; >98%(N); M.P. 232-236°				100 g 10. —	500 g 40. —
21030	Calcein (Fluorescein-2,7-bismethyliminodiacetic acid Sodium salt; Fluorescein Complexon; Fluorexone) $\text{C}_{30}\text{H}_{24}\text{N}_2\text{Na}_2\text{O}_{13}$ M_r 666.51 [1461-15-0] p.a. Indicator for Complexometry (Ca, Mg); R. Pribil, Analyst 83, 188 (1958)				1 g 8. —	5 g 29. —
21040	Calcein Blue (4-Methylumbelliferone-8-methylimine diacetic acid) $\text{C}_{15}\text{H}_{15}\text{NO}_7$ M_r 321.29 [54375-47-2] p.a. Fluorescent Indicator for Complexometry				1 g 20. —	5 g 85. —
	Calciferol see 95220 Vitamin D ₂					
21047	Calcion p.a. Indicator for Complexometry: Ca determ. $\text{C}_{30}\text{H}_{14}\text{N}_4\text{Na}_5\text{O}_{22}\text{S}_6 \cdot \text{H}_2\text{O}$ M_r 1107.81				5 g 20. —	25 g 85. —
	Calcitonin see 53672 Human Calcitonin M					
21050	Calcium 4.3/1a Ca A_r 40.08 [7440-70-2] puriss. nuclear grade ~99.5%; Cl 0.014%; Fe 0.0003%; Mg 0.2-0.5%; Mn 0.002%; Na 0.003%				100 g 18. —	500 g 75. —
21049	Calcium Ion Standard Solution FLUKA 1.000 g Calcium/Liter/20°C; prepared from CaCl_2 ; pH 1.5 adjusted with HCl			1 lt ≈ 1.00 kg	500 ml 18. —	

					sFr.	sFr.
					1 kg 10. —	5 kg 37. —
21052	Calcium acetate purum p.a. (CH ₃ COO) ₂ Ca C ₈ H ₈ CaO ₄ M _r 158.17 [62-54-4]					
	Fluka-Guarantee:					
	Assay	>93.0 %	Copper (Cu)	<0.005 %		
	pH (5% solution in water 20°C)	7.0-8.0	Lead (Pb)	<0.005 %		
	Chloride (Cl)	<0.1 %	Iron (Fe)	<0.005 %		
	Sulfate (SO ₄)	<0.1 %	Zinc (Zn)	<0.005 %		
			Water (H ₂ O)	<7 %		
	Calcium acetylacetonate (Calcium 2,4-pentanedione deriv.) Ca(C ₅ H ₇ O ₂) ₂ C ₁₀ H ₁₄ CaO ₄ M _r 238.30 [19372-44-2]				100 g 30. —	
21051	purum ~98% (Ca); M.P. ~290° dec.					
	Calciumbis(dihydrogenophosphate) (Calciumdihydrogenophosphate; prim.-Calciumphosphate; Calciumphosphate monobasic) Ca(H ₂ PO ₄) ₂ ·H ₂ O CaH ₄ O ₈ P ₂ ·H ₂ O M _r 252.08 [7758-23-8]				500 g 11. —	
21053	chem. pure					
	Calcium bromide purum p.a. CaBr ₂ ·H ₂ O Br ₂ Ca·H ₂ O M _r 235.93 [7789-41-5]				500 g 12. —	
	Fluka-Guarantee:					
	Assay	>97.0 %	Lead (Pb)	<0.005 %		
	Sulfate (SO ₄)	<0.005 %	Iron (Fe)	<0.005 %		
	Copper (Cu)	<0.005 %	Zinc (Zn)	<0.005 %		
21060	Calcium carbonate purum p.a. precipitated CaCO ₃ CCaO ₃ M _r 100.09 [471-34-1]				1 kg 7. —	5 kg 21. —
	Fluka-Guarantee:					
	Assay (NT)	>98.0 %	Lead (Pb)	<0.01 %		
	Chloride (Cl)	<0.005 %	Iron (Fe)	<0.05 %		
	Sulfate (SO ₄)	<0.05 %	Zinc (Zn)	<0.005 %		
	Copper (Cu)	<0.005 %				
21070	Calcium chlorate Dihydrate purum p.a. cryst. 5.1/4a Ca(ClO ₃) ₂ ·2H ₂ O CaCl ₂ O ₆ ·2H ₂ O M _r 243.01 [10137-74-3]				500 g 20. —	
	Fluka-Guarantee:					
	Assay	>98.0 %	Lead (Pb)	<0.005 %		
	Chloride (Cl)	<0.02 %	Iron (Fe)	<0.005 %		
	Sulfate (SO ₄)	<0.005 %	Zinc (Zn)	<0.005 %		
	Copper (Cu)	<0.005 %				
	Calcium chloride anhydrous CaCl ₂ M _r 110.99 [10043-52-4]					
21079	purum p.a. granulated 3-14 mm				1 kg 11. —	5 kg 44. —
	Fluka-Guarantee:					
	Assay	>97.0 %	Lead (Pb)	<0.005 %		
	Sulfate (SO ₄)	<0.02 %	Iron (Fe)	<0.01 %		
	Copper (Cu)	<0.005 %	Zinc (Zn)	<0.005 %		
21080	purum ~96% granulated for exsiccators 2-10 mm				1 kg 11. —	5 kg 44. —
21085	purum granulated for exsiccators 7-25 mm				1 kg 11. —	5 kg 44. —
21090	pract. >95% (Cl); in balls 8-40 mm; H ₂ O ~3%				1 kg 9. —	5 kg 32. —
21100	Calcium chloride Dihydrate purum p.a. Ph. Eur. CaCl ₂ ·2H ₂ O M _r 147.02 [10035-04-8]				1 kg 9. —	
	Fluka-Guarantee:					
	Assay	>99.0 %	Copper (Cu)	<0.005 %		
	pH (5% solution in water 20°C)	5.0-8.0	Lead (Pb)	<0.005 %		
	Sulfate (SO ₄)	<0.005 %	Iron (Fe)	<0.005 %		
			Zinc (Zn)	<0.005 %		
21110	Calcium chloride Hexahydrate purum cryst. >99% (Cl) CaCl ₂ ·6H ₂ O M _r 219.08 [7774-34-7]				1 kg 9. —	
21130	Calcium cyanide techn. 6.1/31a Ca(CN) ₂ C ₂ CaN ₂ M _r 92.12 [592-01-8]				100 g 14. —	500 g 60. —
21120	tri-Calcium dicitrate purum p.a. Erg. B6 Ca ₃ (C ₆ H ₅ O ₇) ₂ ·4H ₂ O C ₁₂ H ₁₀ Ca ₃ O ₁₄ ·4H ₂ O M _r 570.51 [813-94-5]				1 kg 15. —	
	Fluka-Guarantee:					
	Assay	>98.0 %	Copper (Cu)	<0.005 %		
	Chloride (Cl)	<0.01 %	Lead (Pb)	<0.005 %		
	Sulfate (SO ₄)	<0.01 %	Zinc (Zn)	<0.005 %		

			sFr.	sFr.
	Calciumdihydrogenphosphate see 21053 Calcium-bis-(dihydrogenphosphate)			
21131	Calcium fluoride pract. precipitated ~95%(T); H ₂ O ~4% CaF ₂ M _r 78.08 [7789-75-5]		250 g 8.—	1 kg 22.—
21132	Calcium fluoride (Coating quality BALZERS) 99.8%; Tablets		10 g 20.—	100 g 110.—
21133	Calcium formate purum p.a. (Formic acid Calcium salt) (HCOO) ₂ Ca C ₂ H ₂ CaO ₄ M _r 130.12 [544-17-2] Fluka-Guarantee: Assay >98.0 % Lead (Pb) <0.01 % Chloride (Cl) <0.005% Iron (Fe) <0.02 % Sulfate (SO ₄) <0.005% Zinc (Zn) <0.005% Copper (Cu) <0.005%		1 kg 14.—	
	Calcium D-gluconate (D-Gluconic acid Calcium salt) (C ₆ H ₁₁ O ₇) ₂ Ca C ₁₂ H ₂₂ CaO ₁₄ M _r 430.38 [299-28-5] pract. Ph. Eur. [α] _D ²⁰ + 10±0.6°; [α] _D ²⁰ + 9±0.6° (c = 2 in water)			
21142			250 g 7.—	1 kg 18.—
	Calcium L-glutamate Tetrahydrate (L-Glutamic acid Calcium salt) (C ₅ H ₈ NO ₄) ₂ Ca·4H ₂ O C ₁₀ H ₁₈ CaN ₂ O ₉ ·4H ₂ O M _r 404.39 [19238-49-4] purum >98%(NT); [α] _D ²⁰ - 4.2±0.5° (c = 1 in water)			
21151			100 g 12.—	500 g 50.—
	Calcium D-heptagluconate (D-Glucoheptonic acid Calcium salt) (C ₇ H ₁₃ O ₈) ₂ Ca C ₁₄ H ₂₈ CaO ₁₆ M _r 490.43 [29039-00-7] puriss. ~99%(NT); [α] _D ²⁰ + 2.2±0.3°; [α] _D ²⁰ + 1.9±0.3° (c = 5 in water)			
21160			250 g 11.—	1 kg 38.—
21128	Calcium hexacyanoferrate(II) purum p.a. Ca ₂ Fe(CN) ₆ ·11H ₂ O C ₆ Ca ₂ FeN ₆ ·11H ₂ O M _r 490.28 [13821-08-4] Fluka-Guarantee: Assay >98.0% Copper (Cu) <0.005% Chloride (Cl) <0.1 % Lead (Pb) <0.01 % Sulfate (SO ₄) <0.05% Zinc (Zn) <0.015%		1 kg 18.—	
21170	Calcium hydride purum p.a. powder 4.3/2b CaH ₂ M _r 42.10 [7789-78-8] Fluka-Guarantee: Assay (T) >98.0 % Lead (Pb) <0.01 % Chloride (Cl) <0.05 % Iron (Fe) <0.05 % Sulfate (SO ₄) <0.01 % Zinc (Zn) <0.005% Copper (Cu) <0.005%		100 g 16.—	500 g 67.—
21179	Calcium hydrogenphosphate anhydrous purum p.a. CaHPO ₄ CaHO ₄ P M _r 136.06 [7757-93-9] Fluka-Guarantee: Assay >98.0 % Lead (Pb) <0.005% Chloride (Cl) <0.005% Iron (Fe) <0.005% Sulfate (SO ₄) <0.005% Zinc (Zn) <0.005% Copper (Cu) <0.005%		1 kg 16.—	
21184	Calcium hydrogenphosphate purum p.a. DAB CaHPO ₄ ·2H ₂ O CaHO ₄ P·2H ₂ O M _r 172.09 [7757-93-9]		1 kg 9.—	
21181	Calcium hydroxyde purum p.a. Ca(OH) ₂ CaH ₂ O ₂ M _r 74.10 [1305-62-0] Fluka-Guarantee: Assay >98.0 % Lead (Pb) <0.01 % Chloride (Cl) <0.005% Iron (Fe) <0.05 % Sulfate (SO ₄) <0.005% Zinc (Zn) <0.005% Copper (Cu) <0.005%		1 kg 8.—	5 kg 26.—
21182	Calcium hypochlorite pract. ~65-70%(RT); ~20% Ca(OH) ₂ + ~5% CaCO ₃ + ~5% CaCl ₂ 5.1/4 Ca(OCl) ₂ CaCl ₂ O ₂ M _r 142.99 [7778-54-3]		250 g 8.—	1 kg 25.—
21178	Calcium iodate purum p.a. 5.1/4 Ca(IO ₃) ₂ CaI ₂ O ₆ M _r 389.89 [7789-80-2] Fluka-Guarantee: Assay >97.0 % Lead (Pb) <0.005% Sulfate (SO ₄) <0.005% Iron (Fe) <0.05 % Copper (Cu) <0.005% Zinc (Zn) <0.005%		250 g 14.—	1 kg 50.—
21183	Calcium iodide pract. >97%(I) CaI ₂ ·4H ₂ O M _r 365.95 [10102-68-8]		500 g 32.—	

						sFr.		sFr.
		Calcium L(+) -lactate [L(+) -Lactic acid Calcium salt] [CH ₃ CH(OH)COO] ₂ Ca.5H ₂ O C ₆ H ₁₀ CaO ₆ .5H ₂ O M _r 308.30 [814-80-2] purum >99%(NT); [α] _D ²⁰ -5.0±0.5°; [α] _D ²⁰ -4.2±0.5° (c = 5 in water)					250 g 7.—	1 kg 14.—
21185								
		Calcium lactobionate (Lactobionic acid Calcium salt) (C ₁₂ H ₂₁ O ₁₂) ₂ Ca.2H ₂ O C ₂₄ H ₄₂ CaO ₂₄ .2H ₂ O M _r 790.70 [5001-51-4] purum >98%(NT); M.P. ~190° dec. [α] _D ²⁰ +28±1°; [α] _D ²⁰ +24±1° (c = 3 in water)					100 g 12.—	500 g 50.—
21190								
21195		Calcium nitrate purum p.a. cryst. 5.1/7 Ca(NO ₃) ₂ .4H ₂ O CaN ₂ O ₆ .4H ₂ O M _r 236.15 [10124-37-5] Fluka-Guarantee: Assay >98.0 % Sulfate (SO ₄) <0.005% pH (5% solution in water 20°C) 5.5-7.0 Copper (Cu) <0.005% Chloride (Cl) <0.005% Lead (Pb) <0.005% Iron (Fe) <0.005%					1 kg 8.—	5 kg 29.—
21205		Calcium oxide ex Marble purum p.a. DAB CaO M _r 56.08 Fluka-Guarantee: Assay >98.0 % Lead (Pb) <0.01 % Chloride (Cl) <0.005% Iron (Fe) <0.05 % Sulfate (SO ₄) <0.005% Zinc (Zn) <0.005% Copper (Cu) <0.005%					1 kg 8.—	5 kg 29.—
		Calcium D-pantothenate see 21210 D-Pantothenic acid Calcium salt						
21220		Calcium perchlorate purum p.a. cryst. 5.1/4b Ca(ClO ₄) ₂ .4H ₂ O CaCl ₂ O ₆ .4H ₂ O M _r 311.04 [15627-86-8] Fluka-Guarantee: Assay >98.0 % Lead (Pb) <0.005% Chloride (Cl) <0.005% Iron (Fe) <0.005% Sulfate (SO ₄) <0.005% Zinc (Zn) <0.005% Copper (Cu) <0.005%					100 g 25.—	500 g 105.—
		prim. Calciumphosphate resp. Calciumphosphate monobasic see 21053 Calcium-bis-(dihydrogenphosphate)						
21223		tri-Calcium phosphate purum Ca ₃ (PO ₄) ₂ Ca ₃ O ₈ P ₂ M _r 310.18 [7758-87-4]					1 kg 12.—	5 kg 50.—
21224		Calcium phosphorylcholine chloride purum (Cataphos) 6.1/81a (CH ₃) ₃ N(Cl)CH ₂ CH ₂ OPO ₃ Ca.aq C ₅ H ₁₃ CaClNO ₄ P.aq M _r 257.64 + aq [4826-71-5]					50 g 20.—	250 g 85.—
		Calcium propionate see 21230 Propionic acid Calcium salt						
		Calcium Red see 50680 Glyoxal-bis-(2-hydroxyanil)						
		Calcium rhodanide see 21235 Calcium thiocyanate						
21240		Calcium silicide pract. >97% (Ca) 4.3/2d CaSi ₂ M _r 96.25 [12013-56-8]					250 g 9.—	1 kg 28.—
21245		Calcium sulfate purum p.a. precipitated CaSO ₄ .2H ₂ O CaO ₄ S.2H ₂ O M _r 172.10 [7778-18-9] Fluka-Guarantee: Assay >98.0 % Lead (Pb) <0.005% Chloride (Cl) <0.005% Zinc (Zn) <0.005% Copper (Cu) <0.005%					1 kg 11.—	5 kg 46.—
21247		Calcium sulfate purum calcinated CaSO ₄ .½H ₂ O CaO ₄ S.½H ₂ O M _r 145.15 [7778-18-9]					1 kg 7.—	5 kg 21.—
		Calcium sulfate anhydrous see 85109 Sikkon FLUKA Universal Desiccant						
21249		Calcium tartrate purum >97%(Ca) OCOCHOHCHOHCOOCa.4H ₂ O C ₄ H ₄ CaO ₆ .4H ₂ O M _r 260.21 [3164-34-9]					1 kg 20.—	
		Calcium thiocyanate (Calcium rhodanide; Rhodancalcium) Ca(SCN) ₂ .3H ₂ O C ₂ CaN ₂ S ₂ .3H ₂ O M _r 210.30 [2092-16-2] pract. M.P. ~59°					250 g 10.—	1 kg 32.—
21235								
21250		Calcium thioglycolate purum >97%(RT); cryst. (Thioglycolic acid Calcium salt) SCH ₂ COOCa.3H ₂ O C ₂ H ₂ CaO ₂ S.3H ₂ O M _r 184.23 [814-71-1]					100 g 7.—	500 g 18.—
		Calcon see 45550 Eriochrome Blue Black R						



			sFr.	sFr.
21260	Calconcarboxylic acid [3-Hydroxy-4-(2-hydroxy-4-sulfo-1-naphthylazo)naphthalene-2-carboxylic acid] 2-HO-3-HOCC ₁₀ H ₅ -1-N:N-1-C ₁₀ H ₅ -2-OH-4-SO ₃ H C ₂₁ H ₁₄ N ₂ O ₇ S M _r 438.42 [3737-95-9] p.a. Indicator for Complexometry; H ₂ O 4-7% (Ca determ., Mg detection); Anal. Chem. 28, 1026 (1956)		10 g 18.—	50 g 75.—
21280	Calmagite [3-Hydroxy-4-(2-hydroxy-5-methylphenylazo)naphthalene-1-sulfonic acid] 1-HO-4-CH ₃ -C ₆ H ₃ -2-N:N-1-C ₁₀ H ₅ -2-OH-4-SO ₃ H C ₁₇ H ₁₄ N ₂ O ₆ S M _r 358.38 [3147-14-6] Standard Fluka Indicator for Complexometry		5 g 13.—	25 g 55.—
21284	(-)-Camphanic acid C ₁₀ H ₁₄ O ₄ M _r 198.22 [13429-83-9] purum >98% (T); M.P. 198-202°; [α] _D ²⁰ -22.5±1°; [α] _D ²⁰ -19.5±1° (c = 1 in Dioxan); Reagent for the resolution of racemic alcohols; H. Gerlach, Helv. Chim. Acta 61, 2773 (1978)		1 g 10.—	5 g 37.—
21287	(-)-Camphanic acid chloride C ₁₀ H ₁₃ ClO ₃ M _r 216.67 [39637-74-6] purum >97% (Cl); M.P. 70-72°; [α] _D ²⁰ -23±2°; [α] _D ²⁰ -19±2° (c = 2 in CCl ₄); Reagent for the resolution of racemic alcohols; H. Gerlach, Helv. Chim. Acta 61, 2773 (1978)	1 g 12.—	5 g 50.—	25 g 225.—
21290	(+)-Camphene purum ~99% (GC); M.P. 42-45°; [α] _D ²⁰ +17±1° (c = 4 in Ether) 4.1/11a; 34° C ₁₀ H ₁₆ M _r 136.24 [5794-03-6]	250 g 7.—		1 kg 20.—
21300	(+)-Camphor purum natural; M.P. 176-180°; [α] _D ²⁰ +55±2°; [α] _D ²⁰ +43±2° (c = 10 in Ethanol) 4.1/11a; 65° C ₁₀ H ₁₆ O M _r 152.24 [464-49-3]	100 g 9.—		500 g 32.—
21310	(±)-Camphor purum synth. ~95% (GC); M.P. 167-169°; H ₂ O <0.5% 4.1/11a; 65° C ₁₀ H ₁₆ O M _r 152.24 [21368-68-3]	250 g 7.—		1 kg 20.—
21320	(±)-Camphor-3-carboxylic acid purum >98% (T) synth.; M.P. 131-132° C ₁₁ H ₁₆ O ₃ M _r 196.25 [474-98-6]	100 g 15.—		500 g 63.—
21340	(+)-Camphoric acid CH ₃ C(COOH)C(CH ₃) ₂ CH(COOH)CH ₂ CH ₂ C ₁₀ H ₁₆ O ₄ M _r 200.24 [124-83-4] purum >99% (T); M.P. 186-189°; [α] _D ²⁰ +57±1° (c = 1 in Ethanol); Ash <0.05%	100 g 28.—		500 g 120.—
21360	(+)-Camphor-10-sulfonic acid (β) Monohydrate C ₁₀ H ₁₆ O ₄ S·H ₂ O M _r 250.32 [3144-16-9] purum >98% (T); M.P. ~195° dec.; [α] _D ²⁰ +27.5±1°; [α] _D ²⁰ +20±1° (c = 10 in water)	100 g 23.—		500 g 85.—
21370	(±)-Camphor-10-sulfonic acid (β) purum >98% (T); M.P. 199-201° dec.; H ₂ O <1% C ₁₀ H ₁₅ O ₄ S M _r 232.30 [5872-08-2]	100 g 12.—		500 g 50.—
21380	(+)-Camphor-10-sulfonyl chloride [(+)-Camphor-10-sulfonic acid chloride] C ₁₀ H ₁₅ ClO ₃ S M _r 250.75 [21286-54-4] puriss. >99% (Cl); M.P. 67-68°; [α] _D ²⁰ +41±1°; [α] _D ²⁰ +32±1° (c = 1 in Chlf.); For the separation of L- and D-amino acids as diastereomeric derivatives by HPLC: H. Furukawa et al., Chem. Pharm. Bull. 23, 1625 (1975); used as a chiral leaving group for the asymmetric induction of the intramolecular alkylation of phenols: P. G. Duggan, W. S. Murphy, J. Chem. Soc. Perkin I, 634 (1976)	10 g 25.—		50 g 105.—
60610	Canada balsam for Microscopy; Viscosity ~1000 mPa.s (25°) 3/4; 80°	1 lt ≈ 0.98 kg	25 ml 13.—	100 ml 45.—
	Cannabiscetin see 70050 Myricetin			
	CAP-Li₂ see 21780 Carbamoylphosphate Lithium salt			
21409	Capric acid (Carboxylic acid C ₁₀ ; Decanoic acid) CH ₃ (CH ₂) ₈ COOH C ₁₀ H ₂₀ O ₂ M _r 172.27 [334-48-5] puriss. Standard for GLC; >99.5% (GC)		5 g 21.—	
21410	puriss. >99% (GC); M.P. 30.5-31.5°; B.P. _{0.1} 123-124°		250 g 11.—	1 kg 38.—
	Capric acid chloride see 21460 Decanoyl chloride			
21405	Caprinolactam (10-Aminodecanoic acid lactam; Aza-2-cycloundecanone) CH ₂ (CH ₂) ₈ CONH C ₁₀ H ₁₉ NO M _r 169.27 [1009-89-8] purum M.P. 164-166°		1 g 25.—	5 g 105.—
21529	Caproic acid (Carboxylic acid C ₆ ; Hexanoic acid) 8/21d CH ₃ (CH ₂) ₄ COOH C ₆ H ₁₂ O ₂ M _r 116.16 [142-62-1] puriss. Standard for GLC; >99.5% (GC); B.P. 205° (Lit.)	1 lt ≈ 0.93 kg	5 ml 21.—	
21530	puriss. >99% (GC); d ₄ ²⁰ 0.927; n _D ²⁰ 1.416	1 lt ≈ 0.93 kg	100 ml 7.—	500 ml 18.—

					sFr.	sFr.
Caproic anhydride						
21580	8/21d	$[\text{CH}_3(\text{CH}_2)_4\text{CO}]_2\text{O}$ $\text{C}_{12}\text{H}_{22}\text{O}_3$ M_r 214.31 [2051-49-2] purum >99% (T); B.P. 256-259; d_4^{20} 0.928; n_D^{20} 1.429	1 lt $\approx$ 0.93 kg	50 ml 11. —	250 ml 46. —	
6-Caprolactam (Aza-2-cycloheptanone)						
21500		$\text{CH}_2(\text{CH}_2)_4\text{CONH}$ $\text{C}_6\text{H}_{11}\text{NO}$ M_r 113.16 [105-60-2] purum >98% (N); M.P. 67-70°; 1 g clearly and colourless soluble in 10 ml water		500 g 10. —	2.5 kg 40. —	
6-Caprolactone monomer (6-Hexanolactone)						
21510		$\text{CH}_2(\text{CH}_2)_4\text{COO}$ $\text{C}_6\text{H}_{10}\text{O}_2$ M_r 114.15 [502-44-3] purum >99% (GC); B.P. 98-99° (Lit.); d_4^{20} 1.076; n_D^{20} 1.463	1 lt $\approx$ 1.07 kg	250 ml 14. —	1 lt 50. —	
Capronaldehyde (Aldehyde C_6 ; Hexanal)						
21520	3/3; 25°	$\text{CH}_3(\text{CH}_2)_4\text{CHO}$ $\text{C}_6\text{H}_{12}\text{O}$ M_r 100.16 [66-25-1] purum $\sim$ 99% (GC); B.P. 128-130°; d_4^{20} 0.814; n_D^{20} 1.403; store in refrigerator	1 lt $\approx$ 0.81 kg	250 ml 16. —	1 lt 55. —	
Caprone see 42630 6-Undecanone						
Caproyl chloride (Hexanoyl chloride)						
21590	8/22; 82°	$\text{CH}_3(\text{CH}_2)_4\text{COCl}$ $\text{C}_6\text{H}_{11}\text{ClO}$ M_r 134.61 [142-61-0] purum >98% (GC); B.P. 150-153°; d_4^{20} 0.975; n_D^{20} 1.426	1 lt $\approx$ 0.98 kg	100 ml 16. —	500 ml 67. —	
Capryl alcohol see 74850 1-Octanol						
Caprylamine see 74990 Octylamine						
Caprylic acid Sodium salt see 71340 Sodium caprylate						
Caprylic aldehyde (Aldehyde C_8 ; Octanal)						
21630	3/3; 52°	$\text{CH}_3(\text{CH}_2)_6\text{CHO}$ $\text{C}_8\text{H}_{16}\text{O}$ M_r 128.22 [124-13-0] purum >98% (GC); B.P. 166-68°; d_4^{20} 0.822; n_D^{20} 1.419	1 lt $\approx$ 0.82 kg	100 ml 13. —	500 ml 55. —	
Caprylolactam (8-Aminooctanoic acid lactam; Aza-2-cyclononanone)						
21631		$\text{CH}_2(\text{CH}_2)_6\text{CONH}$ $\text{C}_8\text{H}_{15}\text{NO}$ M_r 141.20 [935-30-8] purum >98% (N); M.P. 74-76°		25 g 26. —	100 g 95. —	
21680		Caprylamide purum M.P. 100-103° (Amide C_8 ; Octanamide) $\text{CH}_3(\text{CH}_2)_6\text{CONH}_2$ $\text{C}_8\text{H}_{17}\text{NO}$ M_r 143.23 [629-01-6]		10 g 12. —	50 g 50. —	
Caprylic acid (Carboxylic acid C_8 ; Octanoic acid)						
21639		$\text{CH}_3(\text{CH}_2)_6\text{COOH}$ $\text{C}_8\text{H}_{16}\text{O}_2$ M_r 144.22 [124-07-2] puriss. Standard for GLC >99.5% (GC); B.P. 237-238°	1 lt $\approx$ 0.91 kg	5 ml 21. —		
21640		puriss. >99% (GC); M.P. 16-17°; B.P. 235-238°; d_4^{20} 0.910; n_D^{20} 1.428	1 lt $\approx$ 0.91 kg	100 ml 9. —	500 ml 32. —	
21650		purum >98% (GC); M.P. 16-18°; d_4^{20} 0.91; n_D^{20} 1.428	1 lt $\approx$ 0.91 kg	1 lt 25. —	2.5 lt 55. —	
Caprylone see 37140 8-Pentadecanone						
Caprylonitrile (Heptylcyanide; Nitrile C_8 ; Octanenitrile)						
21740	6.1/2b; 80°	$\text{CH}_3(\text{CH}_2)_6\text{CN}$ $\text{C}_8\text{H}_{15}\text{N}$ M_r 125.22 [124-12-9] purum halogen free; >98% (GC); B.P. 198-200°; d_4^{20} 0.812; n_D^{20} 1.420	1 lt $\approx$ 0.81 kg	100 ml 25. —		
Capryloyl chloride (Octanoyl chloride)						
21700	8/22	$\text{CH}_3(\text{CH}_2)_6\text{COCl}$ $\text{C}_8\text{H}_{15}\text{ClO}$ M_r 162.66 [111-64-8] purum >99% (GC); B.P. 177°; d_4^{20} 0.949; n_D^{20} 1.435	1 lt $\approx$ 0.95 kg	50 ml 10. —	250 ml 40. —	
21710		pract. >97% (GC); d_4^{20} 0.950	1 lt $\approx$ 0.95 kg	250 ml 12. —	1 lt 40. —	
CAPS see 29338 3-Cyclohexylamino-1-propanesulfonic acid						
Capsaicine (8-Methyl-N-vanillyl-trans-6-nonenamide)						
21750	6.1/81e	$(\text{CH}_3)_2\text{CHCH}:\text{CH}(\text{CH}_2)_4\text{CONHCH}_2\text{C}_6\text{H}_3(\text{OH})\text{OCH}_3$ $\text{C}_{18}\text{H}_{27}\text{NO}_3$ M_r 305.42 [404-86-4] purum natural; M.P. 62-65°	100 mg 7. —	1 g 25. —	5 g 105. —	
"Capsaicine synthetic" see 76390 Pelargonic acid vanillylamide						
Carbamic acid ethyl ester see 94300 Urethane						
Carbamide see 51459 Urea						
21760		Carbamoylcholine chloride purum USP; M.P. 200-210° dec. 6.1/81g $\text{NH}_2\text{COOCH}_2\text{CH}_2\text{N}(\text{Cl})(\text{CH}_3)_3$ $\text{C}_6\text{H}_{15}\text{ClN}_2\text{O}_2$ M_r 182.65 [51-83-2]		25 g 14. —	100 g 50. —	

		sFr.	sFr.
	S-Carbamoyl-L-cysteine NH ₂ COSCH ₂ CH(NH ₂)COOH.H ₂ O C ₆ H ₉ N ₂ O ₃ S.H ₂ O M _r 182.20 [2072-71-1]		
21770	purum ~98%(NT); M.P. 155-156° dec.; [α] _D ²⁰ -116±2°; [α] _D ²⁰ -99±2° (c = 1 in water)	5 g 10. —	25 g 40. —
	N-(Carbamoylmethyl)iminodiacetic acid see 00308 N-(2-Acetamido)iminodiacetic acid		
21780	Carbamoylphosphate Dilithium salt , CAP-Li ₂ purum; store in refrigerator NH ₂ COOPO ₃ Li ₂ CH ₂ Li ₂ NO ₃ P M _r 152.88 [1866-68-8]	1 g 28. —	
	Carbanilide see 43040 N,N'-Diphenylurea		
21790	Carbazole purum ~98%(GC); M.P. 240-243°; λ _{max} 293 nm, log ε 4.23 C ₉ H ₈ C ₆ H ₄ NH C ₁₂ H ₉ N M _r 167.21 [86-74-8]	100 g 7. —	500 g 24. —
	Carbethoxy... see Ethoxycarbonyl...		
	Carbobenzoxy chloride see 23160 Benzyl chloroformate		
	Carbobenzoxy... see Z-...		

Carbohydrates see
"Carbohydrates and Derivatives" green section

21810	Carbohydrazide purum >98%(N); M.P. 150-153°; Ash <0.05% CO(NHNH ₂) ₂ CH ₆ N ₄ O M _r 90.08 [497-18-7]	10 g 10. —	50 g 40. —
	Carbol-Fuchsin-Solution according to Ziehl-Neelson		
21820	Standard Fluka for Microscopy (Bact.)	1 lt ≈ 0.99 kg	100 ml 7. — 1 lt 15. —
	Carbol-Gentianaviolet-Solution		
21830	Standard Fluka for Microscopy; for Gram staining	1 lt ≈ 0.99 kg	100 ml 7. — 1 lt 18. —
	Carbol Methylene blue Solution		
21835	Standard Fluka for Microscopy; d ₄ ²⁰ 0.987	1 lt ≈ 0.99 kg	250 ml 10. — 1 lt 32. —
	"Carbolic acid" see 77610 Phenol		
	3-Carbomethoxypropionyl chloride [3-(Chloroformyl)methyl propionate; 8/22 Methyl 3-(chloroformyl)propionate; Methyl succinyl chloride; Succinic acid monomethylester chloride] CH ₃ OCOCH ₂ CH ₂ COCI C ₅ H ₇ ClO ₃ M _r 150.56 [1490-25-1]		
14195	purum >98%(Cl); d ₄ ²⁰ 1.232; n _D ²⁰ 1.441	1 lt ≈ 1.23 kg	10 ml 15. — 50 ml 63. —
	Carbon disulfide (Attention: Autoignition at 100°C!) 3/1a; -30° CS ₂ M _r 76.14 [75-15-0]		
84710	for IR-Spectroscopy; B.P. 46° (Lit.); d ₄ ²⁰ 1.26; n _D 1.627 (with Fluka-Gurantee)	1 lt ≈ 1.26 kg	250 ml 9. — 1 lt 30. —
84711	puriss p.a. Fluka-Guarantee:	1 lt ≈ 1.26 kg	250 ml 8. — 1 lt 22. —
	Assay (GC) >99.5 % Nickel (Ni) <0.00001%		
	Sulfate (SO ₄) <0.00025% Copper (Cu) <0.00001%		
	Sulfite (SO ₃) <0.001 % Lead (Pb) <0.00001%		
	Iron (Fe) <0.00005% Cadmium (Cd) <0.00001%		
	Cobalt (Co) <0.00001% Zinc (Zn) <0.00001%		
84712	purum >99%(GC); d ₄ ²⁰ 1.263; n _D ²⁰ 1.628	1 lt ≈ 1.26 kg	1 lt 18. — 2.5 lt 40. —
	Carbonic acid tert-butyl-4-nitrophenyl ester see 20375 tert-Butyl 4-nitrophenyl carbonate		
	Carbon monoxide 2/1a CO M _r 28.01 [630-08-0]		
60870	purum ~99% + H ₂ +N ₂ +~0.1% CH ₄ +traces CO ₂ , NH ₃ , C ₂ H ₄ Cyl. with 10 lt (1.5 m ³), net ~3 kg	800. —	(price of gas 300. —)

Carbon tetrabromide see 86770 Tetrabromomethane

	Carbon tetrachloride 6.1/12c CCl ₄ M _r 153.82 [56-23-5]		
87030	for IR-Spectroscopy (with Fluka-Guarantee)	1 lt ≈ 1.59 kg	500 ml 13. — 1 lt 25. —
87032	for UV-Spectroscopy	1 lt ≈ 1.53 kg	500 ml 12. — 1 lt 22. —
	Fluka-Guarantee:		
	Layer thickness 1 cm, Path vs. Dist.: Water		
	Wave length in nm: 270 275 280 290 300		
	Transmittance in %: 40 65 85 98 >99		



(continues next page)

			sFr.	sFr.
Carbon tetrachloride (continue)				
87031	puriss. p.a.; B.P. 78-79°; d_4^{20} 1.592; n_D^{20} 1.461	1 lt $\approx$ 1.59 kg	250 ml 7. —	1 lt 14. — 2.5 lt 31. —
	Fluka-Guarantee:			
	Assay (GC) >99.5 %	Manganese (Mn) <0.000005 %		
	Free acid (as HCl) <0.0002 %	Potassium (K) <0.00001 %		
	Free Chlorine (Cl) <0.0001 %	Sodium (Na) <0.00005 %		
	Iodine red. comp. <0.0002 %	Iron (Fe) <0.00005 %		
	Residue on evaporation <0.002 %	Copper (Cu) <0.00001 %		
	H ₂ SO ₄ -Probe passes test	Lead (Pb) <0.00001 %		
	Tetrachloroethylene (GC) <0.05 %	Cadmium (Cd) <0.000005 %		
	Calcium (Ca) <0.00005 %	Zinc (Zn) <0.00001 %		
	Chromium (Cr) <0.000005 %			
87033	purum >99% (GC); B.P. 75-77°; d_4^{20} 1.594; n_D^{20} 1.460	1 lt $\approx$ 1.59 kg	1 lt 12. —	5 lt 50. —
1,1'-Carbonyldiimidazole				
	$\text{CH:CHN:CHNCONCH:NCH:CH}$ C ₇ H ₆ N ₄ O M _r 162.15 [530-62-1]			
21860	puriss. $\sim$ 99% (T); M.P. $\sim$ 110°; very hygroscopic; may contain $\sim$ 1% Imidazole-hydrochloride; store in refrigerator		5 g 9. —	25 g 35. — 100 g 130. —
Carbostyrl see 55050 2-Quinolinol				
Carbowax [®] see Polyethyleneglycols				
21862	Carbowax 400 for GLC M _r 380-420	1 lt $\approx$ 1.13 kg	50 ml 11. —	
21863	Carbowax 1540 for GLC M _r 1300-1600		50 g 11. —	
21864	Carbowax 20 000 for GLC M _r 17 000		50 g 11. —	
Carboxyarsenazo III [2-(2-Arsenophenylazo)-7-(2-carboxyphenylazo)chromotropic acid Disodium salt]				
21865	6.1/81i C ₂₃ H ₁₇ AsN ₄ O ₁₃ S ₂ M _r 696.45 [3772-44-9] p.a. Ash <4%; End point indicator for sulfate determination by titration: E. E. Archer et al., Analyst 96, 879 (1971); also used in EDTA titrations of rare earths elements: S. Sh. Shukurov et al., C.A. 76, 107569p (1972); and for the determination of lanthanides in blood: Ibid. 79, 134085w (1973)		1 g 35. —	
2-Carboxybenzaldehyde see 79730 Phthalaldehydic acid				
4-Carboxybenzaldehyde (Benzaldehyde-4-carboxylic acid; 4-Formylbenzoic acid; Terephthalaldehydic acid) HOOC C ₆ H ₄ CHO C ₈ H ₆ O ₃ M _r 150.14 [619-66-9]				
21870	purum >98% (T); Terephthalic acid <1%		5 g 13. —	25 g 55. —
Carboxybenzene sulfonamide see 86050 4-Sulfamoylbenzoic acid				
3-Carboxybenzotrifluoride see 91770 3-Trifluoromethylbenzoic acid				
4-Carboxybenzotrifluoride see 91780 4-Trifluoromethylbenzoic acid				
(4-Carboxybutyl)triphenylphosphonium bromide (C ₆ H ₅) ₃ P(Br)CH ₂ (CH ₂) ₂ CH ₂ COOH C ₂₃ H ₂₄ BrO ₂ P M _r 443.33 [17814-85-6]				
21875	purum >99% (Br); M.P. 206-207°		25 g 26. —	100 g 80. —
2-Carboxyethanephosphonic acid see 79526 3-Phosphopropionic acid				
S-Carboxyethyl-L-cysteine HOOCCH ₂ CH ₂ SCH ₂ CH(NH ₂)COOH C ₆ H ₁₁ NO ₄ S M _r 193.22 [4033-46-9]				
21867	puriss. $\sim$ 99% (NT); M.P. $\sim$ 220° dec.; $[\alpha]_D^{20} -10 \pm 1^\circ$; $[\alpha]_D^{20} -9 \pm 1^\circ$ (c = 3 in n HCl)		25 g 29. —	100 g 105. —
2-Carboxyethyl disulfide see 43788 3,3'-Dithiodipropionic acid				
(2-Carboxyethyl)triphenylphosphonium perbromide (C ₆ H ₅) ₃ P ⁺ CH ₂ CH ₂ COOHBr ₃ ⁻ C ₂₁ H ₂₀ Br ₃ O ₂ P M _r 575.09 [51114-94-4]				
21868	purum >97% (Br); M.P. 158-160° dec.; Stable reagent for the α -bromination of ketones; contrary to similar compounds it is indifferent to double bonds of alkenes: V.W. Armstrong et al., Tetrahedron Lett. 373 (1975)		10 g 18. —	50 g 75. —
2-Carboxy-2'-hydroxy-5'-sulfoformazylbenzene Disodium salt see 96440 Zincon Disodium salt				
2-Carboxyindole see 57220 Indole-2-carboxylic acid				
CARBOXYLIC ACIDS (Alkanoic acids)				
Carboxylic acid C₁ see 06440 Formic acid				
Carboxylic acid C₂ see 45730 Acetic acid				



sFr.

sFr.

Carboxylic acid C₃ see 81910 Propionic acid

Carboxylic acid C₄ see 19210 and 58360 Butyric and Isobutyric acid

Carboxylic acid C₅ see 59850 and 94530 Isovaleric and Valeric acid

see 66130 2-Methylbutyric acid

see 80880 Pivalic acid

Carboxylic acid C₆ see 21529 and 58720 Caproic and Isocaproic acid

see 39850 3,3-Dimethylbutyric acid

see 03190 2-Ethylbutyric acid

Carboxylic acid C₇ see 75190 Oenanthic acid

see 67435 2-Methylhexanoic acid

Carboxylic acid C₈ see 21639 Caprylic acid

see 03300 2-Ethylcaproic acid

Carboxylic acid C₉ see 76343 Pelargonic acid

Carboxylic acid C₁₀ see 21409 Capric acid

Carboxylic acid C₁₁ see 94089 Undecanoic acid

Carboxylic acid C₁₂ see 61609 Lauric acid

Carboxylic acid C₁₃ see 91540 Tridecanoic acid

Carboxylic acid C₁₄ see 70079 Myristic acid

Carboxylic acid C₁₅ see 76540 Pentadecanoic acid

Carboxylic acid C₁₆ see 76119 Palmitic acid

Carboxylic acid C₁₇ see 51610 Heptadecanoic acid

Carboxylic acid C₁₈ see 85679 Stearic acid

Carboxylic acid C₁₉ see 74190 Nonadecanoic acid

Carboxylic acid C₂₀ see 10930 Arachidic acid

Carboxylic acid C₂₁ see 51530 Heneicosanoic acid

Carboxylic acid C₂₂ see 11909 Behenic acid

Carboxylic acid C₂₃ see 91470 Tricosanoic acid

Carboxylic acid C₂₄ see 87110 Tetracosanoic acid

Carboxylic acid C₂₆ see 52200 Hexacosanoic acid

Carboxylic acid C₂₇ see 51570 Heptacosanoic acid

Carboxylic acid C₂₈ see 74700 Octacosanoic acid

Carboxylic acid C₃₀ see 63640 Melissic acid

Carboxymethylcellulose

21890	CM-23, p.a.; crosslinked fibres, capacity 0.6±0.1 meq/g; 50-200 microns	100 g 15. —	500 g 63. —
21891	CM-32, p.a.; granulated, microcrystalline, crosslinked, capacity 1.0 meq/g; 100-200 microns	25 g 14. —	100 g 50. —
21892	CM-52, p.a.; granulated, microcrystalline, crosslinked, pre swelled, ready for use, capacity 1 meq/g; 100-200 microns; moistened with 50% methanol; contains 30% dry substance	25 g 11. —	100 g 38. —
21893	CM-TLC, p.a.; for TLC without binder; capacity 0.2 meq/g; <28 microns	50 g 17. —	250 g 70. —

Carboxymethylcellulose Sodium salt (Sodium carboxymethylcellulose) [9004-32-4]

21900	purum ~500 mPa.s at 25°C; Activity CMC 90%	100 g 8. —	500 g 26. —
21901	purum Activity CMC 65%; Viscosity (2% solution) <100 mPa.s	250 g 8. —	1 kg 22. —

S-Carboxymethyl-L-cysteine

	HOOCCH ₂ SCH ₂ CH(NH ₂)COOH C ₆ H ₉ NO ₄ S M _r 179.20 [638-23-3]		
21905	purum >98%(NT); [α] _D ²⁰ -8±1°; [α] _D ²⁰ -7±1° (c = 15 in 20% HCl); store in refrigerator	25 g 20. —	100 g 70. —

			sFr.	sFr.
21940	1-Carboxymethylpyridinium chloride			
	$\text{CH:CHCH:CHCH:N(Cl)CH}_2\text{COOH}$ $\text{C}_7\text{H}_6\text{ClNO}_2$ M_r 173.60 [3697-38-9] purum >99%(Cl); M.P. 200-202° dec.		100 g 22. —	500 g 90. —
	8-Carboxy-1-naphthaldehyde see 21950 Naphthaldehydic acid			
	3-Carboxy-4-nitrophenyl disulfide see 43760 5,5'-Dithio-bis(2-nitrobenzoic acid) (3,3'-6)			
	2-Carboxyphenylacetic acid see 53580 Homophthalic acid			
	2-Carboxyphenyl disulfide see 43761 2,2'-Dithio-dibenzoic acid			
	α-Carboxy-o-toluic acid see 53580 Homophthalic acid			
	4-Carboxyuracil see 75500 Orotic acid			
21970	5-Carboxyuracil (2,4-Dihydropyrimidine-5-carboxylic acid; Isoorotic acid; Uracil-5-carboxylic acid)			
	$\text{N:C(OH)N:C(OH)C(COOH):CH.H}_2\text{O}$ $\text{C}_5\text{H}_4\text{N}_2\text{O}_4\cdot\text{H}_2\text{O}$ M_r 174.11 [23945-44-0] purum >97%(NT); M.P. ~285° dec.		5 g 18. —	
21981	Cardiogreen Standard Fluka (Foxgreen) [3599-32-4]			
21982		Package with 25 mg and 2 Ampoules of sterile aqueous solvent	63. —	
		Package with 50 mg and 2 Ampoules of sterile aqueous solvent	90. —	
21983	Cardolite® NC-513 (Epoxy Resin) ® Registered Trademark of 3M Co.	1 lt ≈ 0.97 kg	250 ml 16. —	1 lt 55. —
21984	2-Carene puriss. (3,7,7-Trimethylbicyclo[4.1.0]hept-2-ene) $\text{C}_{10}\text{H}_{16}$ M_r 136.24 [554-61-0]	1 lt ≈ 0.86 kg	5 ml 26. —	25 ml 110. —
	(+)-Carene {(1S)-3,7,7-Trimethylbicyclo[4.1.0]hept-3-ene} 3/3; 55° $\text{C}_{10}\text{H}_{16}$ M_r 136.23 [498-15-7]			
21986	puriss. >99%(GC); B.P. 170-172°; d_4^{20} 0.864; n_D^{20} 1.473	1 lt ≈ 0.86 kg	5 ml 26. —	25 ml 110. —
21985	purum ~97%(GC); B.P. 170-172°; $[\alpha]_{546}^{20} + 21 \pm 2^\circ$; $[\alpha]_D^{20} + 17 \pm 1^\circ$; d_4^{20} 0.864; n_D^{20} 1.472	1 lt ≈ 0.86 kg	5 ml 20. —	25 ml 85. —
	Carl Johnson Reagent see 41703 Dimethyl-N-(p-toluenesulfonyl)sulfoximine			
22000	Carmine [C.I. Nr. 75470; Sch. Nr. 1381] "Nacarat" Standard Fluka for Microscopy (Bot., Hist.)		10 g 20. —	50 g 85. —
22010	Carminic acid [C.I. Nr. 75470; Sch. Nr. 1381] 1,3,4-(HO) ₃ -2-C ₆ H ₁₁ O ₅ C ₆ COC ₆ H-5-COOH-6-OH-8-CH ₂ CO $\text{C}_{22}\text{H}_{20}\text{O}_{13}$ M_r 492.40 [1260-17-9]			
	Standard Fluka for Microscopy (Hist.); for colorimetric B determination; M.P. ~230° dec.		1 g 11. —	5 g 46. —
22020	(±)-Camitine chloride purum ~99%(Cl); M.P. 197-199° (Vitamin B ₁) $(\text{CH}_3)_3\text{N(Cl)CN}_2\text{CH(OH)CH}_2\text{COOH}$ $\text{C}_7\text{H}_{16}\text{ClNO}_3$ M_r 197.66 [461-05-2]		100 g 20. —	500 g 85. —
22030	L-Carnosine (β-Alanyl-L-histidine) $\text{NH}_2\text{CH}_2\text{CH}_2\text{CONHCH(COOH)CH}_2\text{C:CHN:CHNH}$ $\text{C}_9\text{H}_{14}\text{N}_4\text{O}_3$ M_r 226.24 [305-84-0]			
	purum >99%(NT); M.P. 258-260° dec.; $[\alpha]_{546}^{20} + 24 \pm 2^\circ$ (c = 1.5 in water)	1 g 12. —	5 g 50. —	25 g 210. —
22040	β-Carotene (Provitamin A) $\text{C}_{40}\text{H}_{56}$ M_r 536.89 [7235-40-7]			
	purum synth. cryst. >98%(UV); M.P. 178-181°; in evacuated tube, 1.6.10 ⁶ U/g; packed under Argon; store in refrigerator; decomposes very easily	1 g 7. —	5 g 20. —	25 g 50. —
22051	Carvacrol (5-Isopropyl-2-methylphenol) 6.1/22 $(\text{CH}_3)_2\text{CHC}_6\text{H}_3(\text{OH})\text{CH}_3$ $\text{C}_{10}\text{H}_{14}\text{O}$ M_r 150.22 [499-75-2]			
	purum >99%(GC); B.P. 234-236°; d_4^{20} 0.976; n_D^{20} 1.523	1 lt ≈ 0.98 kg	50 ml 26. —	250 ml 110. —
	Carvene see 62120 (+)-Limonene			
	Carvol see 22060 (−)-Carvone			
22060	(−)-Carvone [Carvol; (R)-5-Isopropenyl-2-methyl-2-cyclohexanone] 3/4; 98° $\text{CH}_2\text{:C(CH}_3\text{)CHCH}_2\text{CH:C(CH}_3\text{)COCH}_2$ $\text{C}_{10}\text{H}_{14}\text{O}$ M_r 150.22 [6485-40-1]			
	puriss. >99%(GC); B.P. 228-230°; d_4^{20} 0.959; n_D^{20} 1.499; $[\alpha]_{546}^{20} - 72 \pm 2^\circ$	1 lt ≈ 0.96 kg	25 ml 8. —	100 ml 25. —

				sFr.	sFr.
	(+)-Carvone [(S)-5-Isopropenyl-2-methyl-2-cyclohexenone]				
	3/4; 98°	$\text{CH}_2\text{:C}(\text{CH}_3)\text{CHCH}_2\text{CH:C}(\text{CH}_3)\text{COCH}_2$	$\text{C}_{10}\text{H}_{14}\text{O}$	M_r 150.22	[2244-16-8]
22070	puriss. >99%(GC); B.P. 228-230°; d_4^{20} 0.959; n_D^{20} 1.499; $[\alpha]_{546}^{20} + 72\pm 2^\circ$				
		1 lt $\approx$ 0.96 kg	25 ml 18. —	100 ml 65. —	
	α-Caryophyllene see 53675 α -Humulene				
	(-)-trans-Caryophyllene				
	3/4	$\text{C}_{18}\text{H}_{24}$	M_r 204.36	[87-44-5]	
22075	puriss. $\sim$ 99%(GC); B.P. 262-264°; d_4^{20} 0.902; n_D^{20} 1.429; $[\alpha]_{546}^{20} - 11\pm 1^\circ$				
		1 lt $\approx$ 0.90 kg	5 ml 24. —	25 ml 100. —	
	α-Caryophyllene see 53675 α -Humulene				
22080	Casein vitamin free	according to Hammarsten; 5-10% H_2O	250 g 13. —	1 kg 45. —	5 kg 160. —
22090	Casein-Hydrolysate	enzymatic; loss on drying <5%; Ash <6%		100 g 11. —	500 g 46. —
	Cassiopeium oxide see 62700 Lutetium oxide				
	Castor-oil				
83905	purum DAB; d_4^{20} 0.96; n_D^{20} 1.478; Viscosity (20°C): 1010-1050 mPa.s; Saponification value: min. 160; Iodine value: 82-88; Acid value: max. 1; Unsaponifiable: max 1%				
		1 lt $\approx$ 0.96 kg	1 lt 14. —		
60630	Catalase	ex cow-liver (EC 1.11.6) [9001-05-2]			
	puriss. Crystalline suspension in water, Saturated with Thymol pH $\sim$ 6; $\sim$ 65000 U/mg (25°C; Hydrogenperoxide as Substrate); store in refrigerator			250 mg (12.5 ml)	90. —
60640	pract. for tech. purposes, solution in 30% Glycerine $\sim$ 260000 U/mg (25°C; Hydrogenperoxide as Substrate)			100 ml 45. —	
	Cataphos see 21224 Calcium phosphorylcholine chloride				
	(+)-Catechin Hydrate (trans-3,3',4',5,7-Pentahydroflavon)				
	5,7-(HO) $_2$ C $_6$ H $_2$ OCH[C $_6$ H $_3$ -3',4'-(OH) $_2$]CH(OH)CH $_2$.aq				$\text{C}_{15}\text{H}_{14}\text{O}_6$.aq
	M_r 290.28 + aq [154-23-4]				
22100	puriss. $[\alpha]_{546}^{20} + 15\pm 1^\circ$ (c = 4 in 50% aqueous Acetone); $\text{H}_2\text{O} \sim$ 5%			1 g 15. —	5 g 63. —
22110	purum $[\alpha]_{546}^{20} + 13.5\pm 1^\circ$ (c = 4 in 50% aqueous Acetone); Loses water of hydration during storage; $\text{H}_2\text{O} \sim$ 10%			10 g 30. —	50 g 125. —
22130	($\pm$)-Catechin	purum CHR M.P. $\sim$ 200° dec.		1 g 18. —	5 g 75. —
	5,5-(HO) $_2$ C $_6$ H $_2$ OCH[C $_6$ H $_3$ -3',4'-(OH) $_2$]CH(OH)CH $_2$				$\text{C}_{15}\text{H}_{14}\text{O}_6$ M_r 290.28
	[7295-85-4]				
	"Catechol" see 15880 Pyrocatechol				
	Catecholamines see "Catecholamines, Neurotransmitters and Related Compounds" green section				
	Catecholborane see 12345 1,3,2-Benzodioxaborole				
	Catechol Violet see 15920 Pyrocatechol Violet				
	Catechylphosphotrichloride see 15927 Pyrocatechyl phosphorus trichloride				
	CBZ-amino acids see Z-amino acids				
	CDP see 30280 Cytidine 5'-diphosphate Trisodium salt				
	CDP-choline-Na see 30290 Cytidine 5'-diphosphocholine Sodium salt				
	Cecropia Juvenilhormone see 59993 C $_{18}$ -Juvenile Hormone				
	Cedar oil				
96090	for Microscopy; d_4^{20} 0.983; Viscosity (20°) 2000-2200 mPa.s				
		1 lt $\approx$ 0.98 kg	100 ml 7. —	250 ml 13. —	1 lt 45. —
	(+)-Cedrol				
	$\text{C}_{18}\text{H}_{26}\text{O}$ M_r 222.37 [77-53-2]				
22135	puriss. M.P. 85-87°; $[\alpha]_{546}^{20}$ 12.5 $\pm$ 1°; $[\alpha]_D^{20} + 10.5\pm 1^\circ$ (c = 5 in CHCl_3); 1 g clearly and colourless soluble in 10 ml Methanol			5 g 21. —	25 g 90. —
22137	Cellite AFA®	p.a. analytic filter aid		100 g 60. —	
22138	Cellite® 535	pract. purified and burned; 10-40 microns		1 kg 8. —	5 kg 26. —

			sFr.	sFr.
22140	Cellite® 545 pract. purified and burned; 20-45 microns		1 kg 8.—	5 kg 26.—
22141	Cellite® 545 AW p.a. acid washed		100 g 55.—	
22142	Cellite® 577 pract. low flow capacity; high clarifying factor ® Registered Trademark of Johns-Manville Corp.		1 kg 8.—	5 kg 26.—
D(+) - Cellobiose (4-O-β-D-Glucopyranosyl-D-glucose) $C_{12}H_{22}O_{11}$ M_r 342.30 [528-50-7]				
22150	puriss. p.a. M.P. 240° dec.; $[\alpha]_{540}^{20\ 15h} + 40 \pm 1^\circ$; $[\alpha]_D^{20\ 15h} + 34 \pm 1^\circ$ (c = 10 in water); for Bacteriology; 1 g clearly and colourless soluble in 10 ml water		10 g 11.—	50 g 44.—
	Fluka-Guarantee:			
	Loss on drying <0.1 %	Cadmium (Cd) <0.0001 %		
	Residue on ignition (as SO_4) <0.1 %	Zinc (Zn) <0.0001 %		
	Chloride (Cl) <0.005 %	Iron (Fe) <0.0005 %		
	Sulfate (SO_4) <0.005 %	Cobalt (Co) <0.0001 %		
	Copper (Cu) <0.0001 %	Nickel (Ni) <0.0001 %		
	Lead (Pb) <0.0001 %	Arsenic (As) <0.00001 %		
D-Cellobiose octaacetate $C_{26}H_{38}O_{13}$ M_r 678.60 [3616-19-1]				
22160	puriss. M.P. 225-230°; $[\alpha]_{540}^{20} + 48 \pm 1^\circ$; $[\alpha]_D^{20} + 40 \pm 1^\circ$ (c = 1 in Chlf.); for Bacteriology		25 g 21.—	100 g 75.—
Celloidin conc. see 81680 Pro-Celloidine				
"Cellosize WP-40" see 54290 Hydroxyethylcellulose middle viscosity 1				
Cellosolve see 02530 2-Ethoxyethanol				
Cellosolve acetate see 00820 1-Acetoxy-2-ethoxyethane				
Cellulase (EC 3.2.1.4) [9012-54-8]				
22180	pract. from <i>Aspergillus niger</i> ; 900 Cu/mg; Ash ~2%; store in refrigerator		25 g 18.—	100 g 65.—
22190	Cellulose acetate purum (Acetylcellulose)		250 g 10.—	1 kg 35.—
22192	Cellulose acetate phthalate purum		100 g 25.—	500 g 105.—
Cellulose microcrystalline see 11365 Avicel PH-101				
Cellulose phosphorylated, P-23				
22191	p.a. crosslinked; capacity 0.8-0.9 meq/g; 50-200 microns		100 g 28.—	500 g 120.—
Cellulose powder DS-0				
22197	for Thin Layer Chromatography; microcrystalline cellulose for all types of Separation Chromatography and Thin Layer Electrophoresis		250 g 14.—	1 kg 50.—
Cellulose powder DSF-0				
22198	for Thin Layer Chromatography, microcrystalline Cellulose for all types of Separation Chromatography and Thin Layer Electrophoresis with Fluorescent Indicator		250 g 17.—	1 kg 60.—
Cellulose TLC-Cards on aluminum foils				
22185	10 × 20 cm; with Fluorescent Indicator 254 nm; layer thickness 0.1 mm		Package with 20 cards 28.—	
22186	20 × 20 cm; with Fluorescent Indicator 254 nm; layer thickness 0.1 mm		Package with 25 cards 55.—	
22200	Cellulose triacetate purum soluble in Tetrachloroethane (Triacetylcellulose) M_r 72 000-74 000 [9012-09-3]		250 g 10.—	1 kg 35.—
60650	Cephalin pract. animal; store in refrigerator		1 g 25.—	5 g 105.—
Cephalins (synthetic) see Dipalmitoyl-cephalins				
Ceres Black BN see 46300 Fat Black				
Ceric ammoniumnitrate 5.1/7 $Ce(NH_4)_2(NO_3)_6$ $CeH_9N_5O_{19}$ M_r 548.23 [16774-21-3]				
22249	puriss. p.a.		100 g 20.—	500 g 85.—
	Fluka-Guarantee:			
	Assay >99.0 %	Iron (Fe) <0.005 %		
	Chloride (Cl) <0.001 %	Zinc (Zn) <0.001 %		
	Sulfate (SO_4) <0.001 %	Calcium (Ca) <0.005 %		
	Copper (Cu) <0.0005 %	Sodium (Na) <0.001 %		
	Lead (Pb) <0.005 %	Potassium (K) <0.001 %		



					sFr.	sFr.
22250	purum p.a.				100 g 14. —	500 g 60. —
	Fluka-Guarantee:					
	Assay (T)	>98.0 %	Lead (Pb)	<0.005%		
	Chloride (Cl)	<0.005%	Iron (Fe)	<0.005%		
	Sulfate (SO ₄)	<0.005%	Zinc (Zn)	<0.005%		
	Copper (Cu)	<0.005%	Calcium (Ca)	<0.005%		
	Ceric ammonium sulfate					
	Ce(NH ₄) ₄ (SO ₄) ₄ .aq CeH ₁₆ N ₄ O ₁₆ S ₄ .aq M _r 596.52 + aq [7637-03-8]					
22269	puriss. p.a.				100 g 18. —	500 g 75. —
22270	purum ~98% (RT)				100 g 14. —	500 g 60. —
	Ceric oxide					
	CeO ₂ M _r 172.12 [1306-38-3]					
22390	puriss. >99%; Residue on ignition <0.5%				100 g 16. —	500 g 67. —
22410	techn. ~92%; Residue on ignition <1%				100 g 10. —	500 g 40. —
	Ceric oxide (Coating quality BALZERS)					
22412	99.9%; Tablets				10 g 20. —	100 g 135. —
22414	99.9%; Mesh size 0.7-3.5 mm				10 g 28. —	100 g 190. —
22440	Ceric sulfate Tetrahydrate purum p.a.				100 g 20. —	500 g 85. —
	Ce(SO ₄) ₂ .4H ₂ O CeO ₈ S ₂ .4H ₂ O M _r 404.30 [10294-42-5]					
	Fluka-Guarantee:					
	Assay	>98.0 %	Lead (Pb)	<0.01 %		
	Chloride (Cl)	<0.005%	Iron (Fe)	<0.01 %		
	Copper (Cu)	<0.005%	Zinc (Zn)	<0.005%		
22230	Cerium puriss. in lumps >99.9%				25 g 26. —	100 g 95. —
	Ce A _r 140.12 [7440-45-1]					
22232	Cerium (Coating quality BALZERS) 98% rods				100 g 60. —	500 g 250. —
22320	Cerium(III)-fluoride purum >99%				100 g 20. —	500 g 85. —
	CeF ₃ M _r 197.12 [7758-88-5]					
22240	Cerium Mixed metal in lumps ~50% Ce; ~50% other rare earths				100 g 10. —	500 g 40. —
	Cerotic acid see 52200 Hexacosanoic acid					
22300	Cerous chloride purum ~96% (Cl); M.P. 90-92°				100 g 10. —	500 g 40. —
	CeCl ₃ .6H ₂ O M _r 354.57 [18618-55-8]					
22332	Cerous fluoride (Coating quality BALZERS) 97%; Mesh size 0.7-3.5 mm				10 g 26. —	100 g 180. —
22340	Cerous magnesium nitrate purum p.a.				250 g 26. —	
	Ce ₂ Mg ₃ (NO ₃) ₁₂ .24H ₂ O Ce ₂ Mg ₃ N ₁₂ O ₃₆ .24H ₂ O M _r 1529.60 [13550-46-4]					
	Fluka-Guarantee:					
	Assay	>98.0 %	Lead (Pb)	<0.005%		
	Chloride (Cl)	<0.005%	Iron (Fe)	<0.005%		
	Sulfate (SO ₄)	<0.005%	Zinc (Zn)	<0.005%		
	Copper (Cu)	<0.005%	Calcium (Ca)	<0.01 %		
22350	Cerous nitrate puriss. p.a.				100 g 10. —	500 g 37. —
	Ce(NO ₃) ₃ .6H ₂ O CeN ₃ O ₉ .6H ₂ O M _r 434.23 [10294-41-4]					
	Fluka-Guarantee:					
	Assay	>99.0 %	Iron (Fe)	<0.005%		
	Chloride (Cl)	<0.003%	Zinc (Zn)	<0.001%		
	Sulfate (SO ₄)	<0.005%	Calcium (Ca)	<0.001%		
	Copper (Cu)	<0.001%	Sodium (Na)	<0.005%		
	Lead (Pb)	<0.005%	Potassium (K)	<0.001%		
22370	Cerous oxalate purum >98% (RT)				100 g 14. —	500 g 60. —
	Ce ₂ (C ₂ O ₄) ₃ .9H ₂ O C ₆ Ce ₂ O ₁₂ .9H ₂ O M _r 706.44 [139-42-4]					
22420	Cerous sulfate anhydrous purum p.a.; H ₂ O <3%				100 g 18. —	500 g 75. —
	Ce ₂ (SO ₄) ₃ Ce ₂ O ₁₂ S ₃ M _r 568.42 [13454-94-9]					
	Fluka-Guarantee:					
	Assay (dried Substance)	>98.0 %	Lead (Pb)	<0.005%		
	Chloride (Cl)	<0.005%	Iron (Fe)	<0.005%		
	Copper (Cu)	<0.005%	Zinc (Zn)	<0.005%		
22430	Cerous sulfate Pentahydrate purum				100 g 18. —	500 g 75. —
	Ce ₂ (SO ₄) ₃ .5H ₂ O Ce ₂ O ₁₂ S ₃ .5H ₂ O M _r 658.50 [16648-30-9]					



				sFr.	sFr.
	Ceryl alcohol see 52191 1-Hexacosanol				
20950	Cesium purum ~99.5% 4.3/1a Cs A _r 132.91 [7440-46-2]	in Ampoules	1 g 35. —	5 g 105. —	
	Cesium Ion Standard Solution FLUKA				
20952	1.000 g Caesium/Liter/20°C; prepared from CsCl; pH 6	1 lt ≈ 1.00 kg	500 ml 18. —		
20955	Cesium acetate purum >98%(T); ~2% water CH ₃ COOCs C ₂ H ₃ CsO ₂ M _r 191.95 [3396-11-0]		10 g 20. —	50 g 85. —	
20957	Cesium bromide puriss. p.a. >99%(Br) CsBr BrCs M _r 212.81 [7787-69-1]		10 g 10. —	50 g 37. —	
20960	Cesium carbonate purum p.a. Cs ₂ CO ₃ CCs ₂ O ₃ M _r 325.82 [534-17-8] Fluka-Guarantee: Assay >98.0 % Lead (Pb) <0.005% Sulfate (SO ₄) <0.01 % Iron (Fe) <0.005% Copper (Cu) <0.005% Zinc (Zn) <0.005%		10 g 10. —	50 g 37. —	
20970	Cesium chloride purum p.a. CsCl ClCs M _r 168.36 [7647-17-8] Fluka-Guarantee: Assay >98.0 % Iron (Fe) <0.005% Copper (Cu) <0.005% Zinc (Zn) <0.005% Lead (Pb) <0.005% Calcium (Ca) <0.005%		10 g 9. —	50 g 32. —	
20990	Cesium fluoride purum >99%; <1% H ₂ O 8/15b CsF M _r 151.90 [13400-13-0]		10 g 20. —	50 g 85. —	
21000	Cesium hydroxide Monohydrate pract. ~90-95% + 5-10% Cesium carbonate CsOH·H ₂ O CsHO·H ₂ O M _r 167.93 [21351-79-1]		10 g 22. —	50 g 90. —	
21005	Cesium iodide puriss. p.a. CsI M _r 259.81 [7789-17-5] Fluka-Guarantee: Assay >99.5 % Sodium (Na) <0.0005% Sulfate (SO ₄) <0.005 % Potassium (K) <0.0005% Copper (Cu) <0.0005% Manganese (Mn) <0.0005% Lead (Pb) <0.0005% Magnesium (Mg) <0.0005% Iron (Fe) <0.0005% Nickel (Ni) <0.0005% Zinc (Zn) <0.0005% Ammonium (NH ₄) <0.002 % Calcium (Ca) <0.0005%		10 g 13. —	50 g 45. —	
21010	Cesium nitrate purum >99%(T) 5.1/7 CsNO ₃ M _r 194.91 [7789-18-6]		10 g 10. —	50 g 37. —	
	Cetane see 52210 Hexadecane				
	Cetene see 52278 1-Hexadecene				
	Cetyl alcohol see 52240 1-Hexadecanol				
	Cetylamine see 52300 Hexadecylamine				
	Cetyl bromide see 17280 1-Bromohexadecane				
	Cetyl chloride see 24750 1-Chlorohexadecane				
	Cetyldimethylbenzylammonium chloride see 13400 Benzyldimethylhexadecylammonium chloride				
	Cetyl fluoride see 47006 1-Fluorohexadecane				
	Cetyl mercaptan see 52270 1-Hexadecanethiol				
	Cetylpyridinium bromide see 52340 Hexadecylpyridinium bromide				
	Cetylpyridinium chloride see 52349 Hexadecylpyridinium chloride				
	Cetyltrimethylammonium bromide see 52370 Hexadecyltrimethylammonium bromide				
	Chalcone see 11970 Benzalacetophenone				
	Charcoal see 05110 Activated charcoal				
89440	Charcoal animal purum powder; Ash 75-85%		250 g 7. —	1 kg 12. —	

			sFr.	sFr.
	"Chel CD" see 32869 trans-1,2-Diaminocyclohexane-N,N,N',N'-tetraacetic acid "Chel-DE" see 03780 Ethyleneglycol-O,O'-bis(2-aminoethyl)-N,N,N',N'-tetraacetic acid "Chel-DP" see 03570 Ethylenediamine-N,N'-bis(2-hydroxyphenylacetic acid)			
22490	Chelidamic acid pract. ~90%(T) (4-Hydroxypyridine-2,6-dicarboxylic acid) N:C(COOH)CH:C(OH)CH:COOH.aq C ₇ H ₅ NO ₆ .aq M _r 183.12 + aq [138-60-3]	25 g 12. —	100 g 40. —	
	Chelidonic acid (4-Oxo-4H-Pyran-2,6-dicarboxylic acid) QC(COOH):CHCOCH:COOH C ₇ H ₄ O ₆ M _r 184.10 [6003-94-7]			
22500	purum >98%(T) anhydrous; M.P. ~270° dec.; Ash <2%	10 g 25. —	50 g 105. —	
	Chenodeoxycholic acid (3α,7α-Dihydroxy-5β-cholanic acid) C ₂₄ H ₄₀ O ₄ M _r 392.58 [474-25-9]			
22510	pract. M.P. 141-143°; [α] _D ²⁰ +14±1°; [α] _D ²⁰ +12±1° (c = 2 in Ethanol)	5 g 20. —	25 g 85. —	
	CHES see 29312 2-(Cyclohexylamino)ethanesulfonic acid			
22720	Chitin pract. Ash ~5% (C ₈ H ₁₃ NO ₃) _n M _r ~400 000 [1398-61-4]	100 g 25. —	500 g 105. —	
	Chitosamine hydrochloride see 49130 D(+) -Glucosamine hydrochloride			
	Chloral anhydrous (Trichloroacetaldehyde) 6.1/12c Cl ₃ CCHO C ₂ HCl ₃ O M _r 147.39 [75-87-6]			
23080	puriss. p.a. ~99%(GC); B.P. 97-98°; d ₄ ²⁰ 1.512; n _D ²⁰ 1.457; limited shelf life, contains traces Chloralhydrate; store in refrigerator; Review: F.I. Luknitskii, Chem. Rev. 75, 259 (1975)	1 lt ≈ 1.51 kg	100 ml 25. —	500 ml 105. —
23090	pract. >97%(GC); B.P. 94-98°; limited shelf life; precipitate is possible; store in refrigerator	1 lt ≈ 1.51 kg	250 ml 10. —	1 lt 35. —
23100	Chloral hydrate purum cryst. Ph. Eur.; ~99%(T); M.P. 52-55° 6.1/22 Cl ₃ CCH(OH) ₂ C ₂ H ₃ Cl ₃ O ₂ M _r 165.40 [302-17-0]	250 g 8. —	1 kg 22. —	
	α-Chloralose (Anhydro-D-glucochloral) QCH(CCl ₃)OCH:CH(OH) ₃ CH ₂ OH C ₆ H ₁₁ Cl ₃ O ₆ M _r 309.53 [15879-93-3]			
23120	purum M.P. 180-182°; [α] _D ²⁰ +21.0±1°; [α] _D ²⁰ +18.0±1° (c = 2 in Ethanol)	100 g 15. —	500 g 63. —	
	Chloramine T (N-Chloro-4-toluenesulfonamide Sodium salt) CH ₃ C ₆ H ₄ SO ₂ NCINa.3H ₂ O C ₇ H ₇ ClNNaO ₂ S.3H ₂ O M _r 281.69 [127-65-1]			
23270	purum p.a. >98%(NT); Determination: Co, Cr, Fe, Hg, Mn, Ni, Sb; Review: M.N. Campbell, G. Johnson, Chem. Rev. 78, 65 (1978); oxidizing agent for the preparation of ¹³¹ I-labelled material with high specific radioactivity: F.C. Greenwood, W.M. Hunter and J.S. Glover, Biochem. J. 89, 114 (1963)	250 g 7. —	1 kg 20. —	
	Chloramphenicol {D(—)-2,2-Dichloro-N-[β-hydroxy-α-(hydroxymethyl)-p- 6.1/21 nitrophenylethyl]acetamide} NO ₂ C ₆ H ₄ CH(OH)CH(NHCOCHCl ₂)CH ₂ OH C ₁₁ H ₁₂ Cl ₂ N ₂ O ₅ M _r 323.14 [56-75-7]			
23275	purum cryst. USP; >99%(Cl); M.P. 149-151°; [α] _D ²⁰ +25.0±1°; [α] _D ²⁰ +19.5±1° (c = 5 in Ethanol); Inhalation and contact with skin should be avoided	100 g 35. —		
	Chloranil (2,3,5,6-Tetrachloro-1,4-benzoquinone) OCCCl:CCICOCCL:CCl C ₆ Cl ₄ O ₂ M _r 245.88 [118-75-2]			
23280	puriss. p.a. >99%(Cl); M.P. 295-296° dec.; residue on Sublimation ~0.5%	10 g 7. —	50 g 12. —	250 g 50. —
23290	pract. ~90-95%(UV); M.P. 290-294° dec.; residue on Sublimation <3%		100 g 9. —	500 g 34. —
	o-Chloranil see 23295 3,4,5,6-Tetrachloro-1,2-benzoquinone			
	Chloranilic acid (2,5-Dichloro-3,6-dihydroxy-1,4-benzoquinone) O:C ₆ Cl ₂ (OH) ₂ :O C ₆ H ₂ Cl ₂ O ₄ M _r 208.99 [87-88-7]			
23360	puriss. p.a. >99%(T); M.P. 282-284°; Determination of: Ca, Sr, Zr; for Paper- chromatography of inorganic compounds, J. Chromatogr. 4, 153 (1960)	25 g 12. —	100 g 40. —	
	Chloranilic acid Barium salt (Barium chloranilate) O:C ₆ Cl ₂ (O ₂ Ba):O.3H ₂ O C ₆ BaCl ₂ O ₄ .3H ₂ O M _r 398.36 [13435-46-6]			
23370	p.a. for colorimetric SO ₄ ²⁻ -Determination, Anal. Chem. 30, 202 (1958)	25 g 16. —	100 g 55. —	
23380	Chloranilic acid Disodium salt p.a. H ₂ O 12-15% O:C ₆ Cl ₂ (ONa) ₂ :O C ₆ Cl ₂ Na ₂ O ₄ M _r 252.95 [36275-66-8]	25 g 18. —	100 g 65. —	

				sFr.	sFr.
Chloranilic acid Lanthan salt					
	(O:C ₆ Cl ₂ O ₂ :O) ₃ La ₂ C ₁₈ Cl ₆ La ₂ O ₁₂ M _r 898.73 [32607-23-1]				
23390	p.a. for colorimetric F ⁻ -determination, Z. analyt. Chem. 177, 75 (1960); for spectrophotometric Phosphate-determination, Talanta 4, 244 (1960)			10 g 12. —	50 g 50. —
Chloranilic acid Mercury salt (Mercuric chloranilate)					
	6.1/53 O:C ₆ Cl ₂ (O ₂ Hg):O C ₆ Cl ₂ HgO ₄ M _r 407.56 [32607-23-1]				
23400	p.a. for colorimetr. Cl ⁻ -determination, Anal. Chem. 30, 202 (1958)			10 g 20. —	50 g 85. —
Chloranilic acid Thorium salt see 23410 Thorium chloranilate					
24200	Chlordane techn. C ₁₀ H ₆ Cl ₈ M _r 409.80 [57-74-9]	1 lt ≈ 1.65 kg		250 ml 17. —	
Chlorondic anhydride (1,4,5,6,7,7-Hexachloro-5-norbornene-2,3-dicarboxylic anhydride)					
	C ₉ H ₂ Cl ₆ O ₃ M _r 370.86 [115-27-5]				
52157	pract. >95%(NT); M.P. 234-236°			250 g 12. —	1 kg 40. —
Chlorine					
	2/3at Cl ₂ M _r 70.91 [7782-50-5]				
22752	puriss. >99.9%	Cyl. with 2 lt, net ~2.0 kg	580. —	(price of gas 250. —)	
27754		Cyl. with 5 lt, net ~6.0 kg	680. —	(price of gas 350. —)	
22756		Cyl. with 20 lt, net ~25.0 kg	1200. —	(price of gas 700. —)	
Chloroacetal see 22770 Chloroacetaldehyde diethylacetal					
22760	Chloroacetaldehyde pract. 50-55% in water; d ₄ ²⁰ 1.215 6.1/61; 54° ClCH ₂ CHO C ₂ H ₃ ClO M _r 78.50 [107-20-0]	1 lt ≈ 1.22 kg		250 ml 9. —	1 lt 30. —
Chloroacetaldehyde diethyl acetal (Chloroacetal)					
	3/3; 49° ClCH ₂ CH(OC ₂ H ₅) ₂ C ₆ H ₁₃ ClO ₂ M _r 152.62 [621-62-5]				
22770	purum stab. >98%(GC); B.P. 157-159°; d ₄ ²⁰ 1.009; n _D ²⁰ 1.416	1 lt ≈ 1.01 kg		100 ml 18. —	500 ml 75. —
Chloroacetaldehyde dimethyl acetal					
	3/3; 35° ClCH ₂ CH(OCH ₃) ₂ C ₄ H ₉ ClO ₂ M _r 124.57 [97-97-2]				
22779	purum stab. >98%(GC); B.P. 129-131°; d ₄ ²⁰ 1.097; n _D ²⁰ 1.415; store in refrigerator	1 lt ≈ 1.10 kg		100 ml 8. —	500 ml 29. —
22790	2-Chloroacetamide purum >98%(Cl); M.P. 118-120° ClCH ₂ CONH ₂ C ₂ H ₄ ClNO M _r 93.51 [79-07-2]			250 g 10. —	1 kg 35. —
4-Chloroacetanilide (Acetic acid 4-chloranilide)					
	ClC ₆ H ₄ NHCOCH ₃ C ₈ H ₈ ClNO M _r 169.61 [539-03-7]				
22810	purum >98%(Cl); M.P. 178-180°; 1 g clearly soluble in 10 ml Dioxan			50 g 12. —	250 g 50. —
Chloroacetic acid (Monochloroacetic acid)					
	8/21a ClCH ₂ COOH C ₂ H ₃ ClO ₂ M _r 94.50 [79-11-8]				
24510	puriss. p.a. >99%(T); M.P. 60-63°; Ash <0.05%			250 g 14. —	1 kg 50. —
24520	purum ~97%(T); M.P. 61-64°; Ash <0.3%			1 kg 11. —	5 kg 46. —
24550	Chloroacetic anhydride purum ~97%(NT); M.P. ~50°; store in refrigerator 8/21a (ClCH ₂ CO) ₂ O C ₄ H ₄ Cl ₂ O ₃ M _r 170.98 [541-88-8]	25 g 11. —		100 g 38. —	500 g 160. —
24610	Chloroacetic acid Sodium salt pract. >95%(NT) (Sodium chloroacetate) ClCH ₂ COONa C ₂ H ₂ ClNaO ₂ M _r 116.48 [3926-62-3]			1 kg 15. —	5 kg 63. —
Chloroacetone (Chloro-2-propanone)					
	6.1/61b ClCH ₂ COCH ₃ C ₃ H ₅ ClO M _r 92.52 [78-95-5]				
22820	pract. ~95%(GC); B.P. 119° (Lit.); d ₄ ²⁰ 1.16; n _D ²⁰ 1.432; stab. with 0.5% Calciumcarbonate; containing also traces of Acetone and of 1,1-Dichloroacetone	1 lt ≈ 1.16 kg		100 ml 9. —	500 ml 32. —
Chloroacetonitrile					
	6.1/21; 54° ClCH ₂ CN C ₂ H ₂ ClN M _r 75.50 [107-14-2]				
22830	purum >99%(GC); B.P. 123-125°; d ₄ ²⁰ 1.196; n _D ²⁰ 1.423	1 lt ≈ 1.20 kg	25 ml 7. —	100 ml 20. —	500 ml 85. —
2-Chloroacetophenone					
	6.1/23b; 92° ClC ₆ H ₄ COCH ₃ C ₈ H ₇ ClO M _r 154.60 [2142-68-9]				
22840	purum >97%(GC); B.P. 227-230°; d ₄ ²⁰ 1.190; n _D ²⁰ 1.544	1 lt ≈ 1.19 kg		50 ml 34. —	250 ml 145. —

				sFr.	sFr.
4-Chloroacetophenone					
22850	6.1/23b	$\text{ClC}_6\text{H}_4\text{COCH}_3$ $\text{C}_8\text{H}_7\text{ClO}$ M_r 154.60 [99-91-2]			
		purum >97%(GC); M.P. 14-18°; B.P. 232° (Lit.); d_4^{20} 1.191; n_D^{20} 1.554	1 lt $\approx$ 1.19 kg	100 ml 10. —	500 ml 42. —
ω-Chloroacetophenone see 77460 Phenacyl chloride					
3-Chloroacetoxy-2-naphthoic acid anilide see 70470 Naphthol AS-chloroacetate					
Chloroacetyl chloride					
22880	8/22	ClCH_2COCl $\text{C}_2\text{H}_2\text{Cl}_2\text{O}$ M_r 112.94 [79-04-9]			
		purum >98%(Cl); B.P. 105-106°; d_4^{20} 1.417; n_D^{20} 1.453;	1 lt $\approx$ 1.42 kg	100 ml 7. —	500 ml 24. —
22890		Aspect: colourless			
		pract. >95%(Cl); B.P. 103-107°; d_4^{20} 1.418; Aspect: yellow	1 lt $\approx$ 1.42 kg	250 ml 10. —	1 lt 35. —
2-Chloroacrylonitrile					
22990	6.1/2b; 10°	$\text{CH}_2=\text{CClCN}$ $\text{C}_3\text{H}_2\text{ClN}$ M_r 87.51 [920-37-6]			
		pract. >99%(GC); B.P. 87-90°; d_4^{20} 1.10; n_D^{20} 1.432; A ketene equivalent. Review: S. Ranganathan et al., Synthesis 289 (1977)	1 lt $\approx$ 1.10 kg	100 ml 9. —	500 ml 34. —
22995	1-Chloroadamantane	purum $\sim$ 99%(GC); M.P. 161-163° $\text{C}_{10}\text{H}_{15}\text{Cl}$ M_r 170.60 [935-56-8]		25 g 24. —	
2-Chloroaniline					
23300	6.1/21e	$\text{ClC}_6\text{H}_4\text{NH}_2$ $\text{C}_6\text{H}_6\text{ClN}$ M_r 127.58 [95-51-2]			
23310		puriss. >99.5%(GC); M.P. 0-3°; B.P. 1194-95°; d_4^{20} 1.212; n_D^{20} 1.589	1 lt $\approx$ 1.21 kg	100 ml 18. —	500 ml 75. —
		pract. >98%(GC); B.P. 1192-95°; d_4^{20} 1.212; n_D^{20} 1.588	1 lt $\approx$ 1.21 kg	250 ml 9. —	1 lt 28. —
3-Chloroaniline					
23320	6.1/21e	$\text{ClC}_6\text{H}_4\text{NH}_2$ $\text{C}_6\text{H}_6\text{ClN}$ M_r 127.58 [108-42-9]			
		puriss. $\sim$ 99%(GC); M.P. -10--8°; B.P. 1195-96°; d_4^{20} 1.214; n_D^{20} 1.594	1 lt $\approx$ 1.21 kg	100 ml 14. —	500 ml 60. —
23330		pract. $\sim$ 97%(GC); B.P. 1193-96°; d_4^{20} 1.21	1 lt $\approx$ 1.21 kg	250 ml 12. —	1 lt 40. —
4-Chloroaniline					
23340	6.1/21e	$\text{ClC}_6\text{H}_4\text{NH}_2$ $\text{C}_6\text{H}_6\text{ClN}$ M_r 127.58 [106-47-8]			
23350		puriss. >99%(GC); M.P. 70-72°; B.P. 1113-114°		100 g 30. —	500 g 125. —
		pract. >97%(GC); M.P. 67-70°		250 g 13. —	1 kg 45. —
3-Chloroaniline-4,6-disulfonamide (4-Amino-6-chlorobenzene-1,3-disulfonamide)					
23352	6.1/21	$\text{ClC}_6\text{H}_2(\text{NH}_2)(\text{SO}_2\text{NH}_2)_2$ $\text{C}_6\text{H}_5\text{ClN}_3\text{O}_4\text{S}_2$ M_r 285.74 [121-30-2]			
		pract. $\sim$ 95%(Cl); M.P. 259-261°		100 g 20. —	500 g 85. —
23420	4-Chloro-o-anisidine	pract. >97%(NT); M.P. 81-83° (2-Amino-4-chloroanisole) $\text{NH}_2\text{C}_6\text{H}_3\text{ClOCH}_3$ $\text{C}_7\text{H}_8\text{ClNO}$ M_r 157.60 [95-03-4]		250 g 22. —	1 kg 80. —
23425	3-Chloroanisole	purum >97%(GC); B.P. 190-193°; d_4^{20} 1.172; n_D^{20} 1.536 $\text{ClC}_6\text{H}_4\text{OCH}_3$ $\text{C}_7\text{H}_7\text{ClO}$ M_r 142.59 [2845-89-8]		25 g 16. —	100 g 55. —
4-Chloroanisole					
23430	3/4; 74°	$\text{ClC}_6\text{H}_4\text{OCH}_3$ $\text{C}_7\text{H}_7\text{ClO}$ M_r 142.59 [623-12-1]			
		purum >98%(GC); B.P. 195-198°; d_4^{20} 1.172; n_D^{20} 1.535	1 lt $\approx$ 1.17 kg	100 ml 20. —	500 ml 85. —
23450	2-Chloroanthraquinone	pract. M.P. 207-210° $\text{C}_{14}\text{H}_8\text{ClO}_2$ M_r 242.66 [131-09-9]		100 g 20. —	
23455	5-Chlorobarbituric acid	purum >99%(T); M.P. >300° ClCHCONHCONHCO $\text{C}_4\text{H}_3\text{ClN}_2\text{O}_3$ M_r 162.53 [1194-77-0]		100 g 20. —	500 g 85. —
2-Chlorobenzaldehyde					
23470	6.1/23	$\text{ClC}_6\text{H}_4\text{CHO}$ $\text{C}_7\text{H}_5\text{ClO}$ M_r 140.57 [89-98-5]			
		purum dest. >98%(GC); M.P. 9-11°; B.P. 212-214°; oxidizes easily	1 lt $\approx$ 1.25 kg	250 ml 16. —	1 lt 45. —
3-Chlorobenzaldehyde					
23480	6.1/23	$\text{ClC}_6\text{H}_4\text{CHO}$ $\text{C}_7\text{H}_5\text{ClO}$ M_r 140.57 [587-04-2]			
		purum >97%(GC); M.P. 9-12°; B.P. 1290-92°; d_4^{20} 1.235; n_D^{20} 1.563; oxidizes easily; <3% 3-Chlorobenzoic acid	1 lt $\approx$ 1.24 kg	10 ml 11. —	50 ml 46. —
4-Chlorobenzaldehyde					
23490	6.1/23	$\text{ClC}_6\text{H}_4\text{CHO}$ $\text{C}_7\text{H}_5\text{ClO}$ M_r 140.57 [104-88-1]			
23491		puriss. >99%(GC); M.P. 46-48°; B.P. 1291-92°; oxidizes easily		100 g 28. —	
		purum M.P. 45-47°; oxidizes easily		250 g 14. —	1 kg 50. —

						sFr.	sFr.
Chlorobenzene							
23570	3/3; 29°	C ₆ H ₅ Cl	M _r 112.56 [108-90-7]			1 lt ≈ 1.10 kg	250 ml 8.—
		puriss. p.a.	B.P. 131-133°; d ₄ ²⁰ 1.102; n _D ²⁰ 1.528				1 lt 25.—
		Fluka-Guarantee:					
		Assay (GC)	>99.5 %	Sodium (Na)	<0.00001 %		
		Residue on evaporation	<0.003 %	Iron (Fe)	<0.00001 %		
		Calcium (Ca)	<0.00001 %	Copper (Cu)	<0.000005%		
		Chrome (Cr)	<0.000005%	Lead (Pb)	<0.000005%		
		Manganese (Mn)	<0.000005%	Cadmium (Cd)	<0.000005%		
		Potassium (K)	<0.000005%	Zinc (Zn)	<0.000005%		
23580		purum >98%(GC);	B.P. 130-133°; d ₄ ²⁰ 1.104; n _D ²⁰ 1.524			1 lt ≈ 1.10 kg	1 lt 12.—
							5 lt 42.—
4-Chlorobenzenesulfonyl chloride							
23590	8/12	C ₆ H ₄ SO ₂ Cl	C ₆ H ₄ Cl ₂ O ₂ S M _r 211.07 [98-60-2]				50 g 20.—
23600		purum >97%(Cl);	M.P. 48-50°				250 g 85.—
		techn. ~95%(Cl);	M.P. 47-50°				1 kg 50.—
23494		4-Chlorobenzhydrazide	purum >97%(Cl); M.P. 162-164°				10 g 28.—
		C ₆ H ₄ CONHNH ₂	C ₇ H ₇ ClN ₂ O M _r 170.60 [536-40-3]				50 g 120.—
23520		2-Chlorobenzoic acid	purum >98%(T); M.P. 139-141°; Ash <0.1%			250 g 11.—	1 kg 38.—
		C ₆ H ₄ COOH	C ₇ H ₅ ClO ₂ M _r 156.57 [118-91-2]				
23530		3-Chlorobenzoic acid	purum >98%(T); M.P. 154-156°; Ash <0.1%			25 g 13.—	100 g 45.—
		C ₆ H ₄ COOH	C ₇ H ₅ ClO ₂ M _r 156.57 [535-80-8]				
23550		4-Chlorobenzoic acid	puriss. >99%(T); M.P. 239-241°; Ash <0.05%			250 g 16.—	1 kg 55.—
		C ₆ H ₄ COOH	C ₇ H ₅ ClO ₂ M _r 156.57 [74-11-3]				
23638		2-Chlorobenzonitrile	purum >97%(GC); M.P. 44-45°			250 g 24.—	1 kg 90.—
	6.1/21	C ₆ H ₄ CN	C ₇ H ₄ ClN M _r 137.57 [873-32-5]				
23640		3-Chlorobenzonitrile	purum >98%(GC); M.P. 38-40°; ~2% 2-Chlorobenzonitrile			5 g 15.—	25 g 63.—
	6.1/21	C ₆ H ₄ CN	C ₇ H ₄ ClN M _r 137.57 [766-84-7]				
23650		4-Chlorobenzonitrile	purum >97%(Cl); M.P. 90-93°			25 g 13.—	100 g 45.—
	6.1/21	C ₆ H ₄ CN	C ₇ H ₄ ClN M _r 137.57 [623-03-0]				
23660		4-Chlorobenzophenone	purum >97%(Cl); M.P. 74-76°			100 g 16.—	500 g 67.—
		C ₆ H ₄ COC ₆ H ₅	C ₁₃ H ₉ ClO M _r 216.67 [134-85-0]				
2-Chlorobenzotrifluoride [1-Chloro-2-(trifluoromethyl)benzene]							
23690	3/3; 44°	C ₆ H ₄ CF ₃	C ₇ H ₄ ClF ₃ M _r 180.65 [88-16-4]				
		purum >97%(GC);	M.P. -6--4°; B.P. 153° (Lit.); d ₄ ²⁰ 1.368;			1 lt ≈ 1.37 kg	100 ml 14.—
		n _D ²⁰ 1.457					
3-Chlorobenzotrifluoride [1-Chloro-3-(trifluoromethyl)benzene]							
23700	3/3; 40°	C ₆ H ₄ CF ₃	C ₇ H ₄ ClF ₃ M _r 180.56 [98-15-7]			1 lt ≈ 1.34 kg	100 ml 16.—
		pract. >90%(GC);	B.P. 136-139°; d ₄ ²⁰ 1.342; n _D ²⁰ 1.446				
4-Chlorobenzotrifluoride [1-Chloro-4-(trifluoromethyl)benzene]							
23720	3/3; 46°	C ₆ H ₄ CF ₃	C ₇ H ₄ ClF ₃ M _r 180.56 [98-56-6]			1 lt ≈ 1.34 kg	100 ml 10.—
		purum >99%(GC);	B.P. 136-138°; d ₄ ²⁰ 1.341; n _D ²⁰ 1.447				500 ml 40.—
23725		2-(4-Chlorobenzoyl)-benzoic acid	purum >99%(T); M.P. 149-151°			250 g 17.—	1 kg 60.—
		C ₆ H ₄ COC ₆ H ₄ COOH	C ₁₄ H ₉ ClO ₃ M _r 260.68 [85-56-3]				
2-Chlorobenzoyl chloride							
23730	8/22	C ₆ H ₄ COCl	C ₇ H ₄ Cl ₂ O M _r 175.02 [609-65-4]			1 lt ≈ 1.38 kg	100 ml 11.—
		pract. >97%(Cl);	M.P. -4--2°; B.P. 229-232°; d ₄ ²⁰ 1.378; n _D ²⁰ 1.572				500 ml 46.—
23735		3-Chlorobenzoyl chloride	pract. >97%(GC); B.P. 225°; d ₄ ²⁰ 1.367; n _D ²⁰ 1.569			1 lt ≈ 1.37 kg	50 ml 32.—
	8/22	C ₆ H ₄ COCl	C ₇ H ₄ Cl ₂ O M _r 175.02 [618-46-2]				250 ml 135.—
4-Chlorobenzoyl chloride							
23740	8/22	C ₆ H ₄ COCl	C ₇ H ₄ Cl ₂ O M _r 175.02 [122-01-0]			1 lt ≈ 1.37 kg	25 ml 10.—
		puriss. >99%(GC);	M.P. 11-13°; B.P. 102-104°; d ₄ ²⁰ 1.365;				100 ml 32.—
		n _D ²⁰ 1.579				1 lt ≈ 1.37 kg	500 ml 46.—
23750		pract. >98%(GC);	M.P. 11-14°; d ₄ ²⁰ 1.365; n _D ²⁰ 1.579				
2-Chlorobenzyl alcohol							
23770		C ₆ H ₄ CH ₂ OH	C ₇ H ₇ ClO M _r 142.59 [17849-38-6]				25 g 31.—
		purum >99%(Cl);	M.P. 70-72°; 1 g clearly soluble in 10 ml Methanol				



				sFr.	sFr.
23777	4-Chlorobenzyl alcohol purum >98%(Cl); M.P. 68-71° C ₆ H ₄ CH ₂ OH C ₇ H ₇ ClO M _r 142.59 [873-76-7]			25 g 18. —	100 g 65. —
	2-Chlorobenzylamin 8/35 C ₆ H ₄ CH ₂ NH ₂ C ₇ H ₉ ClN M _r 141.60 [89-97-4] pract. ~95%(GC); B.P. 225-227°; d ₄ ²⁰ 1.169; n _D ²⁰ 1.561		1 lt ≈ 1.17 kg	10 ml 15. —	50 ml 63. —
23800					
	3-Chlorobenzylamine 8/35 C ₆ H ₄ CH ₂ NH ₂ C ₇ H ₉ ClN M _r 141.60 [4152-90-3] purum >97%(GC); B.P. 226-228°; d ₄ ²⁰ 1.161; n _D ²⁰ 1.560		1 lt ≈ 1.16 kg	10 ml 25. —	50 ml 105. —
23801					
	4-Chlorobenzylamine 8/35 C ₆ H ₄ CH ₂ NH ₂ C ₇ H ₉ ClN M _r 141.60 [104-86-9] pract. ~95%(GC); B.P. 104-106°; d ₄ ²⁰ 1.158; n _D ²⁰ 1.558		1 lt ≈ 1.16 kg	25 ml 24. —	100 ml 90. —
23811					
	3-Chlorobenzyl bromide 6.1/61 C ₆ H ₄ CH ₂ Br C ₇ H ₈ BrCl M _r 205.49 [766-80-3] purum ~97%(GC); B.P. 108-110°; d ₄ ²⁰ 1.569; n _D ²⁰ 1.588		1 lt ≈ 1.57 kg	10 ml 18. —	50 ml 75. —
23820					
	2-Chlorobenzyl chloride (2,α-Dichlorotoluene) 6.1/61 C ₆ H ₄ CH ₂ Cl C ₇ H ₆ Cl ₂ M _r 161.03 [611-19-8] purum >98%(GC); B.P. 90-95°; d ₄ ²⁰ 1.27; n _D ²⁰ 1.559		1 lt ≈ 1.27 kg	250 ml 14. —	1 lt 50. —
23830					
	3-Chlorobenzyl chloride (3,α-Dichlorotoluene) 6.1/61 C ₆ H ₄ CH ₂ Cl C ₇ H ₆ Cl ₂ M _r 161.03 [620-20-2] purum ~97%(GC); B.P. 217-220°; d ₄ ²⁰ 1.265; n _D ²⁰ 1.556		1 lt ≈ 1.26 kg	10 ml 14. —	50 ml 60. —
23840					
	4-Chlorobenzyl chloride (4,α-Dichlorotoluene) 6.1/61 C ₆ H ₄ CH ₂ Cl C ₇ H ₆ Cl ₂ M _r 161.03 [104-83-6] purum >98%(GC); M.P. 27-29°; store in refrigerator			250 g 16. —	1 kg 55. —
23850					
	3-Chlorobenzyl cyanide (3-Chlorophenylacetonitrile) 6.1/21 C ₆ H ₄ CH ₂ CN C ₈ H ₆ ClN M _r 151.60 [1529-41-5] purum >97%(GC); M.P. 12-14°; B.P. 276-278°; d ₄ ²⁰ 1.187; n _D ²⁰ 1.544		1 lt ≈ 1.19 kg	25 ml 18. —	
23860					
	4-Chlorobenzyl cyanide (4-Chlorophenylacetonitrile) 6.1/21 C ₆ H ₄ CH ₂ CN C ₈ H ₆ ClN M _r 151.60 [140-53-4] puriss. >99%(GC); M.P. 27-30°; B.P. 141-143°; store in refrigerator pract. >97%(GC); M.P. 25-28°			25 g 14. — 100 g 12. —	100 g 50. — 500 g 50. —
23870					
23880					
	2-(4-Chlorobenzyl)pyridine 6.1/21 N:CHCH:CHCH:CHCH ₂ C ₆ H ₄ Cl C ₁₂ H ₁₀ ClN M _r 203.67 [4350-41-8] purum M.P. 5-7°; B.P. 108-111° (Lit.); d ₄ ²⁰ 1.172; n _D ²⁰ 1.584		1 lt ≈ 1.17 kg	100 ml 30. —	
23930					
	1-Chlorobutane (Butyl chloride) 3/1a; -12° CH ₃ (CH ₂) ₃ Cl C ₄ H ₉ Cl M _r 92.57 [109-69-3] for UV-Spectroscopy >99.5%(GC); free of aromates for Sequential analysis puriss. p.a. B.P. 77-78°; d ₄ ²⁰ 0.884; n _D ²⁰ 1.402 Fluka-Guarantee: Assay (GC) >99.5 % Copper (Cu) <0.00001% Residue on evaporation <0.001 % Lead (Pb) <0.00001% Benzene (UV) <0.5 % Cadmium (Cd) <0.00001% Iron (Fe) <0.00005% Zinc (Zn) <0.00001%		1 lt ≈ 0.88 kg 1 lt ≈ 0.88 kg 1 lt ≈ 0.88 kg	250 ml 63. — 500 ml 42. — 100 ml 7. —	500 ml 18. —
19755					
19749					
19750					
19760					
	2-Chlorobutane (sec-Butyl chloride) 3/1a; -10° CH ₃ CH ₂ CHClCH ₃ C ₄ H ₉ Cl M _r 92.57 [78-86-4] purum >98%(GC); B.P. 67-69°; d ₄ ²⁰ 0.872; n _D ²⁰ 1.396		1 lt ≈ 0.87 kg	250 ml 7. —	1 lt 16. —
19770					
	4-Chloro-1-butanol (Tetramethylenechlorohydrin) 3/3; 50° HO(CH ₂) ₄ Cl C ₄ H ₉ ClO M _r 108.57 [928-51-8] purum ~97%(Cl); B.P. 50-52°; d ₄ ²⁰ 1.09; n _D ²⁰ 1.453; free HCl 2-4%; store in refrigerator		1 lt ≈ 1.09 kg	100 ml 35. —	500 ml 145. —
23960					
	3-Chloro-2-butanone 3/3; 28° CH ₃ CHClCOCH ₃ C ₄ H ₇ ClO M _r 106.55 [4091-39-8] pract. >98%(GC); B.P. 113-116°; d ₄ ²⁰ 1.055; n _D ²⁰ 1.422		1 lt ≈ 1.06 kg	100 ml 15. —	500 ml 63. —
23965					
	3-Chloro-1-butene purum >98%(GC); B.P. 63-65°; d ₄ ²⁰ 0.903; n _D ²⁰ 1.416 3/1a; -27° CH ₃ CHClCH:CH ₂ C ₄ H ₇ Cl M _r 90.55 [563-52-0]		1 lt ≈ 0.90 kg	100 ml 22. —	500 ml 90. —
23969					



trans-1-Chloro-2-butene see 28115 Crotyl chloride

Chloro-tert-butyl alcohol see 25230 1-Chloro-2-methyl-2-propanol

β -Chloro-tert-butylbenzene see 25200 2-Chloromethyl-2-phenylpropane

2-Chlorobutyric acid

24008 $\text{CH}_3\text{CH}_2\text{CHClCOOH}$ $\text{C}_4\text{H}_7\text{ClO}_2$ M_r 122.55 [4170-24-5]
 purum >97% (GC); B.P.: 90-92°; d_4^{20} 1.190; n_D^{20} 1.439
 1 lt = 1.19 kg 100 ml 25. — 500 ml 105

4-Chlorobutyric acid

24011 $\text{Cl(CH}_2)_3\text{COOH}$ $\text{C}_4\text{H}_7\text{ClO}_2$ M_r 122.55 [627-00-9]
 pract. ~95% (T); M.P. 12-15°; B.P.: 196° (Lit.); d_4^{20} 1.233;
 n_D^{20} 1.453
 1 lt = 1.23 kg 25 ml 14. —

4-Chlorobutyronitrile

24060 6.1/21; 91° $\text{Cl(CH}_2)_3\text{CN}$ $\text{C}_4\text{H}_6\text{ClN}$ M_r 103.55 [628-20-6]
 24065 pract. >97% (GC); B.P.: 73-75°; d_4^{20} 1.08; n_D^{20} 1.442 1 lt = 1.08 kg 25 ml 10. — 100 ml 32. — 1 lt 200
 techn. ~85% (GC) 1 lt = 1.08 kg 250 ml 16. — 1 lt 55

4-Chlorobutyryl chloride

24030 8/22 $\text{Cl(CH}_2)_3\text{COCl}$ $\text{C}_4\text{H}_6\text{Cl}_2\text{O}$ M_r 141.00 [4635-59-0]
 purum >98% (Cl); B.P.: 68-70°; d_4^{20} 1.256; n_D^{20} 1.462
 1 lt = 1.26 kg 100 ml 8. — 500 ml 26

Chlorocarbonyl-bis(triphenylphosphine)iridium(I) see 15252
 Bis(triphenylphosphine)iridium(I)-carbonyl chloride

Chlorocarbonyl-bis(triphenylphosphine)rhodium see 15246 Bis(triphenylphosphine)rhodium-
 carbonyl chloride

Chlorocarbonyl isocyanate

24081 6.1/21 ClCONCO C_2ClNO_2 M_r 105.48 [27738-96-1]
 pract. B.P. 63° (Lit.); d_4^{20} 1.402; n_D^{20} 1.429; reacts violently with
 acetone; sensitive to moisture; Review: H. Hagemann,
 Angew. Chem. 89, 789 (1977)
 1 lt = 1.40 kg 5 ml 18. — 25 ml 75

**6-Chloro-9-[3-[N-(2-chloroethyl)ethylamino]-propylamino]-2-methoxyacridine
 hydrochloride** see 01650 Acridine Mutagen ICR 170

6-Chloro-9-[3-(2-chloroethylamino)-propylamino]-2-methoxyacridine hydrochloride
 see 01652 Acridine Mutagen ICR 191

3 β -Chloro-5-cholestane see 26810 Cholesteryl chloride

2-Chlorocinnamic acid [trans-3-(2-Chlorophenyl)-propenoic acid]

26665 $\text{ClC}_6\text{H}_4\text{CH:CHCOOH}$ $\text{C}_9\text{H}_7\text{ClO}_2$ M_r 182.61 [3752-25-8]
 purum >99% (T); M.P. 210-212°
 25 g 20. —

3-Chlorocinnamic acid [trans-3-(3-Chlorophenyl)-propenoic acid]

26667 $\text{ClC}_6\text{H}_4\text{CH:CHCOOH}$ $\text{C}_9\text{H}_7\text{ClO}_2$ M_r 181.61 [1866-38-2]
 purum >99% (T); M.P. 163-164°
 10 g 18. —

4-Chlorocinnamic acid puriss. >99% (T); M.P. 249-251°

26670 $\text{ClC}_6\text{H}_4\text{CH:CHCOOH}$ $\text{C}_9\text{H}_7\text{ClO}_2$ M_r 182.61 [1615-02-7]
 25 g 21. — 100 g 75

4-Chloro-o-cresol pract. ~95% (HPLC); M.P. 45-48° (4-Chloro-2-methylphenol)

24930 6.1/22a $\text{CH}_3\text{C}_6\text{H}_3\text{ClOH}$ $\text{C}_7\text{H}_7\text{ClO}$ M_r 142.59 [1570-64-5]
 250 g 11. — 1 kg 35

4-Chloro-m-cresol purum ~98% (HPLC); M.P. 63-65° (4-Chloro-3-methylphenol)

24940 6.1/22a $\text{CH}_3\text{C}_6\text{H}_3\text{ClOH}$ $\text{C}_7\text{H}_7\text{ClO}$ M_r 142.59 [59-50-7]
 250 g 10. — 1 kg 35

Chlorocyclohexane (Cyclohexyl chloride)

24160 3/3; 47° $\text{ClCH(CH}_2)_5\text{CH}_2$ $\text{C}_6\text{H}_{11}\text{Cl}$ M_r 118.61 [542-18-7]
 pract. >98% (GC); B.P. 141-143°; d_4^{20} 1.00; n_D^{20} 1.462
 1 lt = 1.00 kg 250 ml 12. — 1 lt 40

2-Chlorocyclohexanone

24180 $\text{ClCH(CH}_2)_4\text{CO}$ $\text{C}_6\text{H}_{10}\text{ClO}$ M_r 132.59 [822-87-7]
 pract. ~95% (Cl); M.P. 20-23°; d_4^{20} 1.16; store in refrigerator
 1 lt = 1.16 kg 25 ml 13. — 100 ml 40

Chlorocyclopentane (Cyclopentyl chloride)

24190 3/1a; 16° $\text{ClCH(CH}_2)_3\text{CH}_2$ $\text{C}_5\text{H}_9\text{Cl}$ M_r 104.58 [930-28-9]
 purum >99% (GC); B.P. 112-114°; d_4^{20} 1.008; n_D^{20} 1.452
 1 lt = 1.01 kg 100 ml 22. — 500 ml 105

4-Chloro-1,2-diaminobenzene see 24220 4-Chloro-1,2-phenylenediamine

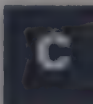
2-Chloro-1,4-diaminobenzene sulfate see 24240 Chloro-1,4-phenylenediamine sulfate

			sfr.	sfr.
	5-Chlorodibenzosuberone (5-Chloro-10,11-dihydro-5H-dibenzola,d)cycloheptene) $C_{15}H_{11}Cl$ M_r 228.72 [1210-33-9] purum >97% (Cl); M.P. 105-107°; Reagent for the introduction of the 5-dibenzosuberonyl moiety, a new protecting group for amines, amino acids, alcohols, thiols and carboxylic acids: stable to HCl but easily removed by formic acid or TFA: J. Pless, <i>Helv. Chim. Acta</i> 59, 499 (1976)			
			10 g 30. —	50 g 125. —
	Chlorodibromomethane see 34081 Dibromochloromethane			
	Chlorodiethylaluminum see 31722 Diethylaluminum chloride			
	Chlorodifluoroacetic acid pract. >97% (T); M.P. 20-23° 8/15 $F_2CICOOH$ $C_2HClF_2O_2$ M_r 130.48 [76-04-0]			
			50 g 32. —	250 g 135. —
	2-Chloro-1,4-dihydroxybenzene see 24810 Chlorohydroquinone			
	5-Chloro-N,N-diisopropylethylamine hydrochloride see 38330 2-(Diisopropylamino)ethyl chloride hydrochloride			
	5-Chloro-2,4-dimethoxyaniline (1-Amino-5-chloro-2,4-dimethoxybenzene) $(CH_3O)_2C_6H_3ClNH_2$ $C_8H_7ClNO_2$ M_r 187.63 [97-50-7] pract. >95% (Cl); M.P. 87-90°			
			100 g 14. —	500 g 60. —
	Chloro-4,4'-dimethoxytriphenylmethane see 38827 4,4'-Dimethoxytriphenyl methyl chloride			
	1-Chloro-2-dimethylaminoethane hydrochloride (2-Dimethylaminoethyl chloride hydrochloride) $(CH_3)_2NCH_2CH_2Cl.HCl$ $C_4H_{11}ClN$ M_r 144.05 [4584-46-7] pract. ~97% (Cl); M.P. 201-204°			
			100 g 10. —	500 g 37. —
	2-Chloro-1-dimethylaminopropane hydrochloride (2-Chloropropyl dimethylamine hydrochloride) $CH_3CHClCH_2N(CH_3)_2.HCl$ $C_5H_{12}ClN$ M_r 158.07 [4584-49-0] pract. ~97% (Cl); M.P. 187-190°			
			100 g 14. —	500 g 60. —
	2-Chloro-1,4-dimethylbenzene see 26630 2-Chloro-p-xylene			
	4-Chloro-1,2-dimethylbenzene see 26640 4-Chloro-o-xylene			
	Chlorodimethyl pentafluorophenyl silane see 76750 Pentafluorophenyl dimethyl chlorosilane			
	4-Chloro-3,5-dimethylphenol (4-Chloro-sym.-m-xenol) $(CH_3)_2C_6H_3ClOH$ C_8H_9ClO M_r 156.61 [88-04-0] purum >98% (NT); M.P. 114-116°			
			250 g 22. —	1 kg 80. —
	3-Chloro-N,N-dimethylpropylamine hydrochloride see 38390 3-Dimethylamino-1-propyl chloride hydrochloride			
	Chloro dimethylphenyl silane see 78390 Phenyl dimethyl chlorosilane			
	Chloro dimethylsilane see 39900 Dimethylchlorosilane			
	Chloro dimethyl sulfide (Chloromethyl methyl sulfide) 3/1a; 17° CH_3SCH_2Cl C_2H_5ClS M_r 96.58 [2373-51-5] pract. ~97% (GC); B.P. 50-52° (Lit.); d_4^{20} 1.177; n_D^{20} 1.498; store in refrigerator; Reagent for the introduction of the methylthiomethyl (MTM) protecting group into carboxylic acids. MTM esters are stable to mild reducing agents: L. G. Wade et al., <i>Tetrahedron Lett.</i> 731 (1978)			
		1 lt ≈ 1.18 kg	25 ml 26. —	100 ml 95. —
	4-Chloro-3,5-dinitrobenzamide pract. ~97% (Cl); M.P. 177-182° $(NO_2)_2C_6H_3ClCONH_2$ $C_7H_4ClN_2O_5$ M_r 245.58 [20731-63-9]			
			10 g 30. —	
	1-Chloro-2,4-dinitrobenzene (2,4-Dinitrochlorobenzene) 6.1/21i $ClC_6H_3(NO_2)_2$ $C_6H_3ClN_2O_4$ M_r 202.56 [97-00-7] pract. >98% (Cl); M.P. 48-50°			
			1 kg 22. —	5 kg 90. —
	4-Chloro-3,5-dinitrobenzoic acid purum >98% (T); M.P. 159-161° $(NO_2)_2C_6H_3ClCOOH$ $C_7H_3ClN_2O_6$ M_r 246.56 [118-97-8]			
			25 g 29. —	
	4-Chloro-3,5-dinitrobenzotrifluoride pract. >98% (HPLC); M.P. 51-54° 6.1/21 $CF_3C_6H_3Cl(NO_2)_2$ $C_7H_2ClF_3N_2O_4$ M_r 270.55 [393-75-9]			
			10 g 15. —	50 g 63. —
	2-Chloro-3,5-dinitropyridine 6.1/21 $N:CCIC(NO_2):CHC(NO_2):CH$ $C_5H_3ClN_2O_4$ M_r 203.54 [2578-45-2] puriss. biochim. ~99% (Cl); M.P. 63-64°; store in refrigerator; terminal N-blocking reagent for proteins. The protecting group is stable towards HCl-hydrolysis but cleaved with ammonia: A. Signor et al., <i>Gazz. Chim. Ital.</i> 93, 65 (1963), <i>ibid.</i> 94, 616 (1964); A. Signor, L. Bondi, A. M. Tamburo and E. Bordignon, <i>Eur. J. Biochem.</i> 7, 328 (1968)			
			1 g 11. —	5 g 46. —

				sFr.	sFr.
24481	4-Chloro-1,3-dioxolan-2-one (Chloroethylene glycol carbonate)				
	8/21	QCOOCH ₂ CHCl C ₃ H ₃ ClO ₃ M _r 122.51 [3967-54-2]			
		pract. >90% (GC); B.P. ₁₀ 102-103°; d ₄ ²⁰ 1.51; n _D ²⁰ 1.455;	1 lt ≈ 1.51 kg	50 ml 21. —	250 ml 90. —
		store in refrigerator			
24482	Chlorodiphenylmethane (Benzhydryl chloride; Diphenylchloromethane)				
		(C ₆ H ₅) ₂ CHCl C ₁₃ H ₁₁ Cl M _r 202.69 [90-99-3]			
		purum >97% (GC); M.P. 17-20°; d ₄ ²⁰ 1.140; n _D ²⁰ 1.596	1 lt ≈ 1.14 kg	100 ml 18. —	500 ml 75. —
24483	1-(4-Chlorodiphenylmethyl)piperazine pract. >95% (NT)			10 g 25. —	
		C ₁₇ H ₁₉ ClN ₂ M _r 286.81 [303-26-4]			
24485	P-Chlorodiphenylphosphine (Diphenylphosphinous chloride)				
	6.1/81a	(C ₆ H ₅) ₂ PCI C ₁₂ H ₁₀ ClP M _r 220.64 [1079-66-9]			
		pract. >97% (Cl); B.P. ₁₄ 178° (Lit.); d ₄ ²⁰ 1.194; n _D ²⁰ 1.636;	1 lt ≈ 1.19 kg	25 ml 14. —	100 ml 50. —
		may become cloudy on storage			
24490	1-Chlorododecane (Dodecyl chloride; Lauryl chloride)				
		CH ₃ (CH ₂) ₁₁ Cl C ₁₂ H ₂₅ Cl M _r 204.79 [112-52-7]			
		puriss. >99% (GC); B.P. ₁₁ 128-130°; d ₄ ²⁰ 0.867; n _D ²⁰ 1.443	1 lt ≈ 0.87 kg	100 ml 25. —	500 ml 105. —
24500		pract. ~95% (GC); M.P. -17--15°; d ₄ ²⁰ 0.864; n _D ²⁰ 1.443	1 lt ≈ 0.86 kg	250 ml 10. —	1 lt 32. —
1-Chloro-2,3-epoxypropane see 45330 Epichlorohydrin					
03340	Chloroethane purum >98% + Diethylether + water (Ethyl chloride)				
	2/8a	C ₂ H ₅ Cl M _r 64.52 [75-00-3]			
		Ampoules with 100 ml	1 lt ≈ 0.89 kg	100 ml 25. —	
	03341	2/17 Pressure tin with 250 ml, net ~225 g		250 ml 25. — (Reg. valve 83547)	
	03342	Cyl. with 2 lt, net ~1.6 kg	280. —	(price of gas 145. —)	
03344		Cyl. with 7 lt, net ~5.5 kg	360. —	(price of gas 175. —)	
23015	2-Chloroethanesulfonic acid Sodium salt				
		CICH ₂ CH ₂ SO ₃ Na.H ₂ O C ₂ H ₄ ClNaO ₃ S.H ₂ O M _r 184.57 [15484-44-3]			
		purum >98% (Cl); 1 g clearly soluble in 10 ml water		25 g 21. —	100 g 75. —
23000	2-Chloroethanol (Ethylene chlorohydrin)				
	6.1/12b; 55°	CICH ₂ CH ₂ OH C ₂ H ₅ ClO M _r 80.51 [107-07-3]			
		puriss. p.a. B.P. 127-129°; d ₄ ²⁰ 1.204; n _D ²⁰ 1.441	1 lt ≈ 1.20 kg	250 ml 9. —	1 lt 35. —
		Fluka-Guarantee:			
		Assay (GC) >99.5 % Cobalt (Co) <0.00001%			
		Water (H ₂ O) <0.1 % Nickel (Ni) <0.00001%			
		Residue on evaporation <0.001 % Lead (Pb) <0.00001%			
		Iron (Fe) <0.0001% Cadmium (Cd) <0.00001%			
		Copper (Cu) <0.00001% Zinc (Zn) <0.00001%			
23010		purum >98% (GC); B.P. 127-129°; d ₄ ²⁰ 1.202; n _D ²⁰ 1.442	1 lt ≈ 1.20 kg	1 lt 22. —	
2-Chloroethoxycarbonyl chloride see 23180 2-Chloroethyl chloroformate					
2-(2-Chloroethoxy)ethanol see 32265 Diethylene glycol monochlorohydrin					
77930	2-Chloroethylbenzene (2-Phenylethyl chloride)				
	3/4; 64°	C ₆ H ₅ CH ₂ CH ₂ Cl C ₈ H ₉ Cl M _r 140.61 [622-24-2]			
		purum >99% (GC); B.P. 200-203°; d ₄ ²⁰ 1.071; n _D ²⁰ 1.529	1 lt ≈ 1.07 kg	100 ml 16. —	500 ml 67. —
23180	2-Chloroethyl chloroformate (2-Chloroethoxycarbonyl chloride)				
	6.1/61	CICOOCH ₂ CH ₂ Cl C ₃ H ₄ Cl ₂ O ₂ M _r 142.98 [627-11-2]			
		purum ~98% (NT); B.P. ₁₂ 52-54°; d ₄ ²⁰ 1.383; n _D ²⁰ 1.447;	1 lt ≈ 1.38 kg	100 ml 35. —	500 ml 145. —
		store in refrigerator			
Chloroethylene see 94931 Vinyl chloride					
Chloroethylene glycol carbonate see 24481 4-Chloro-1,3-dioxolan-2-one					
35660	2-Chloroethyl ether [Bis(2-chloroethyl) ether; 2,2'-Dichlorodiethyl ether]				
	6.1/12f; 55°	(CICH ₂ CH ₂) ₂ O C ₄ H ₈ Cl ₂ O M _r 143.01 [111-44-4]			
		puriss. >99% (GC); B.P. ₁₁ 60-62°; d ₄ ²⁰ 1.219; n _D ²⁰ 1.457	1 lt ≈ 1.22 kg	250 ml 11. —	1 lt 38. —
23020	2-Chloroethyl ethyl ether				
	3/1a; <6°	CICH ₂ CH ₂ OCH ₂ CH ₃ C ₄ H ₉ ClO M _r 108.57 [628-34-6]			
		purum >99% (GC); B.P. 105-107°; d ₄ ²⁰ 0.990; n _D ²⁰ 1.411	1 lt ≈ 0.99 kg	50 ml 24. —	250 ml 100. —



					sFr.		sFr.
2-Chloroethyl ethyl ketone see 25780 1-Chloro-3-pentanone							
2-Chloroethyl isocyanate							
23041	6.1/11	$\text{ClCH}_2\text{CH}_2\text{NCO}$ $\text{C}_3\text{H}_4\text{ClNO}$ M_r 105.52 [1943-83-5]	pract. >95%(NT); B.P. 135-140°; d_4^{20} 1.228; n_D^{20} 1.446;				
		store in refrigerator		1 lt $\approx$ 1.23 kg	100 ml 30.—	500 ml 125.—	
2-Chloroethyl methyl ether							
23045	3/1a; <6°	$\text{ClCH}_2\text{CH}_2\text{OCH}_3$ $\text{C}_3\text{H}_7\text{ClO}$ M_r 94.54 [627-42-9]	purum >97%(GC); B.P. 88-91°; d_4^{20} 1.038; n_D^{20} 1.408	1 lt $\approx$ 1.04 kg	250 ml 17.—	1 lt 60.—	
23047	2-(2-Chloroethyl)-1-methylpyrrolidine hydrochloride purum >98%(Cl); M.P. 98-101° $\text{CH}_3\text{N}(\text{CH}_2)_3\text{CHCH}_2\text{CH}_2\text{Cl.HCl}$ $\text{C}_7\text{H}_{14}\text{ClN.HCl}$ M_r 184.11 [56824-22-7]				5 g 42.—		
2-Chloroethyl methyl sulfide							
23050	6.1/23; 42°	$\text{ClCH}_2\text{CH}_2\text{SCH}_3$ $\text{C}_3\text{H}_7\text{ClS}$ M_r 110.61 [542-81-4]	purum >97%(GC); B.P. 29-31°; d_4^{20} 1.121; n_D^{20} 1.495;				
		store in refrigerator		1 lt $\approx$ 1.13 kg	10 ml 30.—	50 ml 125.—	
4-(2-Chloroethyl)morpholine hydrochloride (2-Morpholinoethylchloride hydrochloride)							
23051		$\text{CH}_2\text{CH}_2\text{OCH}_2\text{CH}_2\text{NCH}_2\text{CH}_2\text{Cl.HCl}$ $\text{C}_6\text{H}_{12}\text{ClNO.HCl}$ M_r 186.08 [3647-69-6]	pract. $\sim$ 97%(Cl); M.P. 180-184°dec.	25 g 7.—	100 g 20.—	500 g 85.—	
2-Chloroethyl-phenylsulfide							
23055	6.1/81a	$\text{ClCH}_2\text{CH}_2\text{SC}_6\text{H}_5$ $\text{C}_8\text{H}_9\text{ClS}$ M_r 172.68 [5535-49-9]	purum >98%(GC); B.P. 247-251°; d_4^{20} 1.178; n_D^{20} 1.583	1 lt $\approx$ 1.18 kg	5 ml 15.—	25 ml 63.—	
1-(2-Chloroethyl)piperidine hydrochloride (2-Piperidinoethyl chloride hydrochloride)							
23060		$\text{ClCH}_2\text{CH}_2\text{N}(\text{CH}_2)_4\text{CH}_2\text{.HCl}$ $\text{C}_7\text{H}_{14}\text{ClN.HCl}$ M_r 184.11 [2008-75-5]	pract. >97%(Cl); M.P. 230-232°		100 g 20.—	500 g 85.—	
1-(2-Chloroethyl)pyrrolidine hydrochloride (2-Pyrrolidinoethyl chloride hydrochloride)							
23065		$\text{ClCH}_2\text{CH}_2\text{N}(\text{CH}_2)_3\text{CH}_2\text{.HCl}$ $\text{C}_6\text{H}_{12}\text{ClN.HCl}$ M_r 170.08 [7250-67-1]	purum >98%(Cl); M.P. 167-170°		25 g 13.—	100 g 45.—	
2-Chloroethyltrimethylammonium chloride (Choline dichloride)							
23068		$(\text{CH}_3)_3\text{N}(\text{Cl})\text{CH}_2\text{CH}_2\text{Cl}$ $\text{C}_5\text{H}_{13}\text{Cl}_2\text{N}$ M_r 158.07 [999-81-5]	purum >99%(Cl); M.P. $\sim$ 255° dec.		25 g 22.—	100 g 80.—	
α -Chloro-2-, 3- and 4-fluorotoluene see 46810, 46821 and 46830 2-, 3- and 4-Fluorobenzyl chloride							
Chloroform (Trichloromethane)							
25670	6.1/61	CHCl_3 M_r 119.38 [67-66-3]	puriss. freshly distilled for IR-Spectroscopy (with Fluka-Guarantee); store in refrigerator; stab. with 0.5% Ethanol; limited shelf life	1 lt $\approx$ 1.49 kg	500 ml 26.—	1 lt 50.—	
25680			stab. for UV-Spectroscopy	1 lt $\approx$ 1.47 kg	500 ml 12.—	1 lt 22.—	
			Fluka-Guarantee:				
			Layer thickness 1 cm; Path vs. Dist.: water				
			Wave length in nm: 250 255 260 270 280				
			Transmittance in %: 33 65 85 98 >99				
25683			for pesticide residue analysis; Distilled in Glass; Original packaging of Burdick and Jackson Laboratories Inc.; stab. with 1% Ethanol	1 quart $\approx$ 0.95 lt	30.—		
25685			for HPLC; B.P. 60°; n_D^{20} 1.443; UV cut-off 242 nm; solvent strength (Al_2O_3) 0.40; H_2O <0.02%	1 lt $\approx$ 1.47 kg	1 lt 18.—	2.5 lt 40.—	
25690			puriss. p.a. stab. with Ethanol	1 lt $\approx$ 1.47 kg	1 lt 16.—	2.5 lt 35.—	
			Fluka-Guarantee:				
		Assay (GC)	>99.0 %	Aldehyde (as CH_3CHO)	<0.0001 %		
		Residue on evaporation	<0.002 %	Ketone (as CH_3COCH_3)	<0.0002 %		
		Reaction	neutral	Lead (Pb)	<0.00001%		
		Iron (Fe)	<0.00005%	Cobalt (Co)	<0.00001%		
		Copper (Cu)	<0.00001%	Nickel (Ni)	<0.00001%		
		Presence of free Chlorine	negative	Cadmium (Cd)	<0.00001%		
		Presence of Phosgene	negative	Zinc (Zn)	<0.00005%		
		Formaldehyde (HCHO)	<0.0001 %				



					sFr.	sFr.
Chloroform-d (Deuteriochloroform)						
6.1/62	CCl ₃ D	M _r 120.38 [865-49-6]				
31326	puriss. >99.95 Atom% D; store in refrigerator		1 lt ≈ 1.50 kg	5 ml 18. —	25 ml 63. —	100 ml 175. —
31327	puriss. >99.95 Atom% D; store in refrigerator			1 lt ≈ 1.50 kg	Packg. with 10 × 0.5 ml	25. —
31325	puriss. >99.8 Atom% D; <0.01% H ₂ O + D ₂ O; store in refrigerator (with Fluka-Guarantee)			1 lt ≈ 1.50 kg	25 ml 17. —	100 ml 60. —
31330	puriss. >99.5 Atom% D; <0.01% H ₂ O + D ₂ O; store in refrigerator (with Fluka-Guarantee)			1 lt ≈ 1.50 kg	25 ml 13. —	100 ml 45. —
31340	purum >99 Atom% D; <0.01% H ₂ O + D ₂ O; store in refrigerator (with Fluka-Guarantee)			1 lt ≈ 1.50 kg	25 ml 11. —	100 ml 38. —
Chloroformic acid diethylamide see 32050 Diethylcarbonyl chloride						
Chloroformic acid dimethyl amide see 39871 Dimethylcarbonyl chloride						
Chloroformic acid diphenylamide see 42849 Diphenylcarbonyl chloride						
Chloroformic acid (9-fluorenylmethyl) ester see 23185 (9-Fluorenylmethyl) chloroformate						
3-(Chloroformyl) methylpropionate see 14195 3-Carbomethoxy propionyl chloride						
Chlorogenic acid [3-(3,4-Dihydroxycinnamoyl)-D-quinic acid]						
	C ₁₈ H ₁₆ O ₉	M _r 354.32 [327-97-9]				
25700	purum ~97%(T); M.P. 208-210° dec.; Ash <0.1%; H ₂ O <3%				250 mg 9. —	1 g 30. —
1-Chloroheptane (Heptyl chloride)						
3/3; 38°	CH ₃ (CH ₂) ₆ Cl	C ₇ H ₁₅ Cl M _r 134.65 [629-06-1]				
24740	pract. >95%(GC); B.P. 159° (Lit.); d ₄ ²⁰ 0.873; n _D ²⁰ 1.462			1 lt ≈ 0.87 kg	100 ml 18. —	500 ml 75. —
1-Chlorohexadecane (Cetyl chloride; Hexadecyl chloride)						
	CH ₃ (CH ₂) ₁₅ Cl	C ₁₆ H ₃₃ Cl M _r 260.89 [4860-03-1]				
24750	purum >98%(GC); M.P. 12-14°			1 lt ≈ 0.86 kg	100 ml 15. —	500 ml 63. —
24760	techn. >90%(GC); d ₄ ²⁰ 0.862; n _D ²⁰ 1.449			1 lt ≈ 0.86 kg	250 ml 8. —	1 lt 25. —
1-Chlorohexane (Hexyl chloride)						
3/3; 29°	CH ₃ (CH ₂) ₅ Cl	C ₆ H ₁₃ Cl M _r 120.62 [544-10-5]				
24770	puriss. >99%(GC); B.P. 132-134°; d ₄ ²⁰ 0.877; n _D ²⁰ 1.419			1 lt ≈ 0.88 kg	100 ml 20. —	500 ml 85. —
6-Chloro-1-hexanol (1-Chloro-6-hydroxyhexane; Hexamethylene chlorohydrin)						
6.1/12	Cl(CH ₂) ₅ OH	C ₆ H ₁₃ ClO M _r 136.62 [2009-83-8]				
24791	pract. >95%(GC); B.P. 108-112°; d ₄ ²⁰ 1.030; n _D ²⁰ 1.455			1 lt ≈ 1.03 kg	25 ml 16. —	100 ml 55. —
Chlorohydroquinone (2-Chloro-1,4-dihydroxybenzene)						
	ClC ₆ H ₃ (OH) ₂	C ₆ H ₅ ClO ₂ M _r 144.56 [615-67-8]				
24810	pract. >95%(HPLC); M.P. 103-107°				100 g 22. —	500 g 90. —
5-Chloro-2-hydroxyaniline see 07520 2-Amino-4-chlorophenol						
1-Chloro-6-hydroxyhexane see 24791 6-Chloro-1-hexanol						
24880	5-Chloro-8-hydroxy-7-iodoquinoline purum >98%(UV); M.P. 178-182°				100 g 22. —	500 g 90. —
	IC ₆ H(OH)CIN:CHCH:CH C ₉ H ₅ ClINO M _r 305.50 [130-26-7]					
N-(((R)-5-Chloro-8-hydroxy-3-methyl-1-oxo-7-isochromanyl)carbonyl)phenylalanine see 74711 Ochratoxin A						
4-Chloro-α-hydroxyphenylacetic acid see 24990 4-Chloromandelic acid						
24849	5-Chloro-8-hydroxyquinoline purum >98%(NT); M.P. 122-124°				100 g 20. —	500 g 85. —
	HO ₂ C ₆ H ₂ ClCH:CHCH:N C ₉ H ₆ ClNO M _r 179.61 [130-16-5]					
24870	5-Chloro-8-hydroxyquinoline hydrochloride purum >99%; M.P. ~255° dec.				100 g 20. —	
	HO ₂ C ₆ H ₂ ClCH:CHCH:N.HCl C ₉ H ₆ ClNO.HCl M _r 216.07 [25395-13-5]					
24906	Chloriodide pract. ~95%(RT); M.P. 23-25° (Iodine monochloride)					Ampoule of 100 ml 45. —
8/11a	ClI M _r 162.36 [7790-99-0]					
2-Chloriodobenzene						
6.1/21	C ₆ H ₄ ClI M _r 238.46 [615-41-8]					
24910	purum >99%(GC); B.P. 235° (Lit.); d ₄ ²⁰ 1.957; n _D ²⁰ 1.635			1 lt ≈ 1.96 kg	5 ml 16. —	25 ml 67. —
4-Chloriodobenzene						
	C ₆ H ₄ ClI M _r 238.46 [637-87-6]					
24911	purum >98%(HPLC); M.P. 54-56°; 1 g clearly soluble in 10 ml Dioxane				25 g 24. —	100 g 90. —
24920	Chloro iodomethane purum				10 g 70. —	
	CH ₂ ClI M _r 176.38 [593-71-5]					

					sFr.	sFr.
	Chloromaleic anhydride					
24971	8/22	<chem>COCCI:CHCOO</chem> C_4HClO_3 M_r 132.50 [96-02-6]				
		techn. containing ~30% Maleic anhydride + Dichloromaleic anhydride	1 lt ≈ 1.51 kg	100 ml 22. —	500 ml 90. —	
24990		4-Chloromandelic acid purum M.P. 118-120° (Chloro- α -hydroxyphenylacetic acid)		10 g 20. —	50 g 85. —	
		<chem>ClC6H4CH(OH)COOH</chem> $C_8H_7ClO_3$ M_r 186.60 [492-86-4]				
	"p-Chloromercuribenzoate", PCMB see 55540 Sodium 4-(hydroxymercuri)benzoate					
	4-(Chloromercuri)benzoic acid					
25010		<chem>ClHgC6H4COOH</chem> $C_7H_5ClHgO_2$ M_r 357.16 [59-85-8]				
		purum >98% (Hg); M.P. >300°; for the preparation of 4-hydroxy-mercuribenzoate by neutralisation (appeared mistaken as p-chloro-mercuribenzoate [PCMB] in earlier literature), used for the determination of sulfhydryl groups: P. D. Boyer, J. Am. Chem. Soc. 76, 4331 (1954); D. Deme, V. Dunica-Trantmann and F. Chartagner, Eur. J. Biochem. 20, 269 (1971)		5 g 18. —	25 g 75. —	
	Chloromethane purum ~99% (GC) (Methyl chloride)					
66222	2/3bt	<chem>CH3Cl</chem> M_r 50.49 [74-87-3]	Cyl. with 1 lt, net ~1.6 kg	320. —	(price of gas 160. —)	
66224			Cyl. with 7 lt, net ~5 kg	450. —	(price of gas 250. —)	
	2-Chloro-4-methylaniline (4-Amino-3-chlorotoluene)					
25038	6.1/21e	<chem>ClC6H3(NH2)CH3</chem> C_7H_8ClN M_r 141.60 [615-65-6]				
		techn. ~80% (GC); d_4^{20} 1.151; n_D^{20} 1.575	1 lt ≈ 1.15 kg	10 ml 14. —	50 ml 60. —	
	2-Chloro-6-methylaniline (2-Amino-3-chlorotoluene)					
25040	6.1/21e	<chem>ClC6H3(CH3)NH2</chem> C_7H_8ClN M_r 141.60 [87-63-8]				
		purum >98% (GC); M.P. 10-12°; B.P. 91-93°; d_4^{20} 1.17; n_D^{20} 1.577	1 lt ≈ 1.17 kg	50 ml 10. —	250 ml 40. —	
	3-Chloro-2-methylaniline (2-Amino-6-chlorotoluene)					
25060	6.1/21e	<chem>ClC6H3(CH3)NH2</chem> C_7H_8ClN M_r 141.60 [87-60-5]				
		pract. >97% (GC); B.P. 115-117°; d_4^{20} 1.188; n_D^{20} 1.588	1 lt ≈ 1.19 kg	100 ml 9. —	500 ml 34. —	
	3-Chloro-4-methylaniline (4-Amino-2-chlorotoluene)					
25070	6.1/21e	<chem>ClC6H3(CH3)NH2</chem> C_7H_8ClN M_r 141.60 [95-74-9]				
		pract. >98% (GC); M.P. 22-25°; B.P. 237-238° (Lit.)	1 lt ≈ 1.18 kg	100 ml 9. —	500 ml 32. —	
	4-Chloro-2-methylaniline (2-Amino-5-chlorotoluene)					
25080	6.1/21e	<chem>ClC6H3(CH3)NH2</chem> C_7H_8ClN M_r 141.60 [95-69-2]				
		purum ~99% (GC); M.P. 25-28°; Inhalation and contact with skin should be avoided		100 g 10. —	500 g 37. —	
	5-Chloro-2-methylaniline (2-Amino-4-chlorotoluene)					
25090	6.1/21e	<chem>ClC6H3(CH3)NH2</chem> C_7H_8ClN M_r 141.60 [95-79-4]				
		purum >98% (GC); M.P. 21-24°		100 g 11. —	500 g 40. —	
	9-(Chloromethyl)anthracene					
25102	6.1/21	<chem>C15H11Cl</chem> M_r 226.71 [24463-19-2]				
		purum >98% (Cl); M.P. 141-142° dec.; New blocking group reagent for carboxylic acids, phenols, thiophenols and mercaptans; N. Kornblum, A. Scott, J. Am. Chem. Soc. 96, 590 (1974)		1 g 20. —	5 g 85. —	
	Chloromethylated Styrene-Divinylbenzene resin see 63871 Merrifield Polymer FLUKA					
	4-(Chloromethyl)benzoic acid see 26559 α -Chloro-p-toluylic acid					
	2-Chloro-3-methylbenzothiazolium trifluoromethane sulfonate					
25104		<chem>C6H7ClF3NO3S2</chem> M_r 333.74 [61765-15-9]				
		purum >99% (T); M.P. 131-133°; Efficient condensing agent for the preparation of thiol esters and amides: F. A. Souto-Bachiller, G. S. Bates, S. Masamune, J. Chem. Soc. Chem. Comm. 719 (1976); F. A. Souto-Bachiller, S. Masamune, Tetrahedron Lett. 1881 (1977)		10 g 35. —	50 g 145. —	
	3-(Chloromethyl)benzotrifluoride (3-Trifluoromethylbenzyl chloride)					
25103	6.1/61	<chem>ClCH2C6H4CF3</chem> $C_8H_6ClF_3$ M_r 194.59 [705-29-3]				
		pract. ~90-95% (GC); B.P. 180-182°; d_4^{20} 1.319; n_D^{20} 1.464	1 lt ≈ 1.32 kg	25 ml 29. —	100 ml 105. —	
	2-(Chloromethyl)benzoyl chloride					
25105	8/22	<chem>ClCH2C6H4COCl</chem> $C_8H_6Cl_2O$ M_r 189.04 [42908-86-1]				
		pract. >97% (GC); B.P. 107° (Lit.); d_4^{20} 1.348; n_D^{20} 1.578	1 lt ≈ 1.35 kg	25 ml 14. —	100 ml 50. —	

					sFr.	sFr.
	3-(Chloromethyl)benzoyl chloride					
25106	8/22	$\text{ClCH}_2\text{C}_6\text{H}_4\text{COCl}$ $\text{C}_8\text{H}_6\text{Cl}_2\text{O}$ M_r 189.04 [63024-77-1]	purum >98% (GC); M.P. 2-3°; B.P. ₂₀ 144-150° (Lit.); d_4^{20} 1.332; n_D^{20} 1.576	1 lt ≈ 1.33 kg	100 ml 25. —	500 ml 105. —
	4-(Chloromethyl)benzoyl chloride					
25107	8/22	$\text{ClCH}_2\text{C}_6\text{H}_4\text{COCl}$ $\text{C}_8\text{H}_6\text{Cl}_2\text{O}$ M_r 189.04 [876-08-4]	purum >98% (GC); M.P. 33-34°; B.P. ₂₂ 150-155° (Lit.)		100 g 20. —	500 g 85. —
	(Chloromethyl)dimethylchlorosilane, CMDMCS					
25117	8/23b; ~22°	$\text{ClCH}_2(\text{CH}_3)_2\text{SiCl}$ $\text{C}_3\text{H}_8\text{Cl}_2\text{Si}$ M_r 143.09 [1719-57-9]	purum >97% (Cl); B.P. 110-113°; d_4^{20} 1.081; n_D^{20} 1.437; Derivatizing agent for electron capture gas chromatography: K. Blau, G. S. King, "Handbook of Derivatives for Chromatography", Heyden & Sons, London (1977)	1 lt ≈ 1.08 kg	10 ml 20. —	50 ml 85. —
	4-Chloromethyl-3,5-dimethylisoxazole					
25119	6.1/23	$\text{CH}_3\text{C}:\text{NOC}(\text{CH}_3):\text{CCH}_2\text{Cl}$ $\text{C}_6\text{H}_8\text{ClNO}$ M_r 145.59 [19788-37-5]	purum >97% (GC); B.P. 213-215°; d_4^{20} 1.163; n_D^{20} 1.486; "Reagent for the amidation of enones": G. Stork, J. E. McMurry, J. Am. Chem. Soc. 89, 5464 (1967); Reviews: R. E. Gawley, Synthesis 777 (1976); M. E. Jung, Tetrahedron 32, 3 (1976)	1 lt ≈ 1.16 kg	1 ml 30. —	5 ml 125. —
	1-Chloromethyl-2-, 3- and 4-fluorobenzene see 46810, 46821 and 46830 2-, 3- and 4-Fluorobenzyl chloride					
	Chloromethyl methyl sulfide see 24390 Chloro dimethyl sulfide					
	4-Chloro-2- and 3-methylphenol see 24930 and 24940 4-Chloro-o- and m-cresol					
25190		4-Chloro-2-methylphenoxyacetic acid pract. >97% (T); M.P. 113-117° (MCPA) $\text{CH}_3\text{C}_6\text{H}_3\text{ClOCH}_2\text{COOH}$ $\text{C}_9\text{H}_8\text{ClO}_3$ M_r 200.62 [94-74-6]			250 g 31. —	1 kg 115. —
	2-Chloromethyl-2-phenylpropane (β-Chloro-tert-butylbenzene; Neophyl chloride)					
25200		$\text{C}_6\text{H}_5\text{C}(\text{CH}_3)_2\text{CH}_2\text{Cl}$ $\text{C}_{10}\text{H}_{13}\text{Cl}$ M_r 168.67 [515-40-2]	purum ~99% (GC); B.P. ₁₀ 94-97°; d_4^{20} 1.041; n_D^{20} 1.525	1 lt ≈ 1.04 kg	10 ml 22. —	50 ml 90. —
	Chloromethylphenylsulfoxide					
25205		$\text{C}_6\text{H}_5\text{SOCH}_2\text{Cl}$ $\text{C}_7\text{H}_7\text{ClOS}$ M_r 174.65 [7205-94-9]	purum >97% (GC); B.P. _{0.01} 109-111°; d_4^{20} 1.336; n_D^{20} 1.598; Starting material for the synthesis of phenyl alkyl sulfoxides: M. Hojo et al., Synthesis 789 (1977); thiol ester acyl anion equivalent: K. M. Moore, J. Wemple, J. Org. Chem. 43, 2713 (1978)	1 lt ≈ 1.34 kg	5 ml 63. —	
25210		N-(Chloromethyl)phthalimide purum >97% (Cl); M.P. 131-135° $\text{OCC}_6\text{H}_4\text{CONCH}_2\text{Cl}$ $\text{C}_9\text{H}_6\text{ClNO}_2$ M_r 195.61 [17564-64-6]			25 g 22. —	100 g 80. —
25220		4-Chloro-1-methylpiperidine hydrochloride pract. >97% (Cl); M.P. 158-161° $\text{CH}_3\text{NCH}_2\text{CH}_2\text{CHClCH}_2\text{CH}_2\text{HCl}$ $\text{C}_6\text{H}_{12}\text{ClN.HCl}$ M_r 170.08 [5382-23-0]			25 g 13. —	100 g 45. —
	Chloromethyl pivalate (Pivaloyloxymethyl chloride)					
80915	8/22; 40°	$(\text{CH}_3)_3\text{CCOOCH}_2\text{Cl}$ $\text{C}_8\text{H}_{11}\text{ClO}_2$ M_r 150.60 [18997-19-8]	purum >97% (Cl); d_4^{20} 1.037; n_D^{20} 1.416	1 lt ≈ 1.04 kg	50 ml 20. —	250 ml 85. —
	2-Chloro-2-methylpropane (tert-Butyl chloride)					
19780	3/1a; -10°	$(\text{CH}_3)_3\text{CCl}$ $\text{C}_4\text{H}_9\text{Cl}$ M_r 92.57 [507-20-0]	puriss. p.a.; B.P. 50-52°; d_4^{20} 0.84; n_D^{20} 1.386 Fluka-Guarantee: Assay (GC) >99.5 % Lead (Pb) <0.00001% Residue on evaporation <0.01 % Cadmium (Cd) <0.00001% Iron (Fe) <0.00005% Zinc (Zn) <0.00001% Copper (Cu) <0.00001%	1 lt ≈ 0.84 kg	250 ml 7. —	1 lt 18. —
	1-Chloro-2-methyl-2-propanol (Chloro-tert-butyl alcohol)					
25230	3/3; 33°	$(\text{CH}_3)_2\text{C}(\text{OH})\text{CH}_2\text{Cl}$ $\text{C}_4\text{H}_9\text{ClO}$ M_r 108.57 [558-42-9]	pract. ~98% (GC); B.P. 126-128° (Lit.); d_4^{20} 1.058; n_D^{20} 1.438	1 lt ≈ 1.06 kg	50 ml 29. —	250 ml 120. —
	3-Chloro-2-methyl-1-propene see 64230 β-Methyl allyl chloride					



			sFr.	sFr.
	2-Chloro-N-methyl-pyridinium iodide			
	ClC:CHCH:CHCH:N(J)CH ₃ C ₆ H ₇ ClJN M _r 255.49 [14338-32-0]			
25270	purum ~96%(I); M.P. 203-205°; Efficient coupling reagent for the preparation of carboxylic esters, carboxylic amides, sulfenamides, lactones, N-Acyl lactames, carbodiimides, isothiocyanates, 3-acylthiazolidine-2-thiones etc.: K. Hojo, T. Mukaiyama, Chem. Lett. 619 (1976) and ref. cited therein; K. Saigo, M. Usui, K. Kikuchi, E. Shimada, T. Mukaiyama, Bull. Chem. Soc. Jap. 50, 1863 (1977); T. Izawa, T. Mukaiyama, Chem. Lett. 1443 (1977)			
		25 g 26. —	100 g 95. —	
	2-Chloro-N-methylpyridinium toluene-4-sulfonate			
	ClC:CHCH:CHCH:N(CH ₃)CH ₃ C ₆ H ₄ SO ₃ C ₁₃ H ₁₄ ClNO ₃ S M _r 299.78 [7403-46-5]			
25271	purum ~97%(Cl); M.P. 120-122°; New and efficient coupling reagent for the preparation of amides, esters and optically active carboxylic acids: T. Mukaiyama, Y. Hirako, T. Takeda, Chem. Lett. 461 (1978) and ref. cited therein			
		25 g 31. —	100 g 115. —	
	2-Chloro-N-methylpyrimidinium trifluoromethanesulfonate			
	C:Cl:NCH:CHCH:N(CF ₃ SO ₃)CH ₃ C ₆ H ₆ ClF ₃ N ₂ O ₃ S M _r 278.64			
25272	purum ~97%(Cl); M.P. 105-106°; Efficient reagent for: a) the Beckmann rearrangement: M. Shiono, Y. Echigo, T. Mukaiyama, Chem. Lett. 1397 (1976); b) the pinacol rearrangement of phenylethandiol derivatives: T. Mukaiyama, Y. Echigo, M. Shiono, Chem. Lett. 179 (1977)			
		5 g 29. —	25 g 120. —	
	4-Chloro-α-methylstyrene			
	ClC ₆ H ₄ C(CH ₃):CH ₂ C ₉ H ₉ Cl M _r 152.62 [1712-70-5]			
25275	pract. ~90%(Cl); B.P. ₁₀ 80-83° (Lit.); d ₄ ²⁰ 1.060; n _D ²⁰ 1.552			
		1 lt ≈ 1.06 kg	10 ml 15. —	50 ml 63. —
	2-(Chloromethyl)tetrahydrofuran see 87420 Tetrahydrofurfuryl chloride			
	Chloromethyl thiocyanate			
	6.1/21 ClCH ₂ SCN C ₂ H ₂ CINS M _r 107.56 [3268-79-9]			
25290	purum >98%(GC); B.P. 185° (Lit.); d ₄ ²⁰ 1.364; n _D ²⁰ 1.516			
		1 lt ≈ 1.36 kg	5 ml 12. —	25 ml 50. —
	(Chloromethyl)trimethylsilane			
	8/23a; -4° (CH ₃) ₃ SiCH ₂ Cl C ₄ H ₁₁ ClSi M _r 122.67 [2344-80-1]			
25300	purum ~97%(GC); B.P. 96-98° (Lit.); d ₄ ²⁰ 0.885; n _D ²⁰ 1.418; Reagent for the Peterson olefination and the homologation of ketones and aldehydes via α,β-epoxysilanes. Review: E.W. Colvin, Chem. Soc. Rev. 7, 15 (1978); for the synthesis of silylcyclopropanes: R. A. Olofson et al., Tetrahedron Lett. 1677 (1978)			
		1 lt ≈ 0.88 kg	5 ml 10. —	25 ml 40. —
25305	(Chloromethyl)triphenylphosphonium chloride purum >97%(Cl)			
	ClCH ₂ P(Cl)(C ₆ H ₅) ₃ C ₁₉ H ₁₇ Cl ₂ P M _r 47.23 [5293-84-5]			
			10 g 38. —	50 g 160. —
25307	6-(Chloromethyl)uracil purum >99%(Cl)			
	ClCH ₂ C:CHC(OH):NC(OH):N C ₅ H ₅ ClN ₂ O ₂ M _r 160.56 [18592-13-7]			
			100 g 16. —	500 g 67. —
	1-Chloronaphthalene			
	C ₁₀ H ₇ Cl M _r 162.62 [90-13-1]			
25310	puriss. >99.5%(GC); M.P. -8--5°; B.P. ₁₂ 119-120°; d ₄ ²⁰ 1.192; n _D ²⁰ 1.633			
		1 lt ≈ 1.19 kg	250 ml 14. —	1 lt 50. —
25320	purum >99%(GC); M.P. -8--5°; B.P. ₁₂ 117-120°; d ₄ ²⁰ 1.192; n _D ²⁰ 1.633			
		1 lt ≈ 1.19 kg	250 ml 7. —	1 lt 20. —
25340	2-Chloronaphthalene purum M.P. 57-58°			
	C ₁₀ H ₇ Cl M _r 162.62 [91-58-7]			
			10 g 18. —	
25341	2-Chloronicotinic acid purum >98%(T); M.P. 176-178° dec.; Ash <0.1%			
	C:CH:CHCH:NCCl:C(=O)OH C ₆ H ₄ ClNO ₂ M _r 157.56 [2942-59-8]			
			10 g 15. —	50 g 63. —
25370	2-Chloro-4-nitroaniline pract. >98%(HPLC); M.P. 105-108° (4-Amino-3-chloronitrobenzene)			
	6.1/21f NO ₂ C ₆ H ₃ ClNH ₂ C ₆ H ₅ ClN ₂ O ₂ M _r 172.57 [121-87-9]			
			100 g 8. —	500 g 26. —
25375	2-Chloro-5-nitroaniline purum >98%(HPLC); M.P. 118-120° (3-Amino-4-chloronitrobenzene)			
	6.1/21f NO ₂ C ₆ H ₃ ClNH ₂ C ₆ H ₅ ClN ₂ O ₂ M _r 172.57 [6283-25-6]			
			100 g 20. —	500 g 85. —
25380	4-Chloro-2-nitroaniline purum >98%(HPLC); M.P. 114-116° (2-Amino-5-chloronitrobenzene)			
	6.1/21f NO ₂ C ₆ H ₃ ClNH ₂ C ₆ H ₅ ClN ₂ O ₂ M _r 172.57 [89-63-4]			
			250 g 12. —	1 kg 40. —
	4-Chloro-3-nitroaniline (5-Amino-2-chloronitrobenzene)			
	6.1/21f NO ₂ C ₆ H ₃ ClNH ₂ C ₆ H ₅ ClN ₂ O ₂ M _r 172.57 [635-22-3]			
25390	pract. >97%(HPLC); M.P. 99-102°			
			100 g 14. —	500 g 60. —
	4-Chloro-2-nitroaniline diazotated Zinc double salt see 44730 Fast Red 3 GL Salt			

				sFr.	sFr.
25401	4-Chloro-3-nitroanisole pract. >97% (HPLC); M.P. 41-43° <chem>CH3OC6H3ClNO2</chem> <chem>C7H6ClNO3</chem> M_r 187.58 [10298-80-3]			50 g 24. —	
25460	1-Chloro-2-nitrobenzene purum >99% (GC); M.P. 31-33° 6.1/21k <chem>ClC6H4NO2</chem> <chem>C6H4ClNO2</chem> M_r 157.56 [88-73-3]			1 kg 18. —	5 kg 75. —
	1-Chloro-3-nitrobenzene 6.1/21k <chem>ClC6H4NO2</chem> <chem>C6H4ClNO2</chem> M_r 157.56 [121-73-3]				
25470	puriss. >99% (GC); M.P. 44-45°; B.P. ₁₁ 113-114°			100 g 20. —	500 g 85. —
25480	purum >98% (GC); M.P. 43-47°			250 g 33. —	1 kg 120. —
	1-Chloro-4-nitrobenzene 6.1/21k <chem>ClC6H4NO2</chem> <chem>C6H4ClNO2</chem> M_r 157.56 [100-00-5]				
25490	puriss. >99% (HPLC); M.P. 82.5-84°			100 g 14. —	500 g 60. —
25500	purum >98% (HPLC); M.P. 82-84°			250 g 9. —	1 kg 28. —
	2-Chloro-4-nitro-1-benzenediazonium 2-naphthalenesulfonate see 74150 N.N.C.D.-Reagent				
	4-Chloro-7-nitrobenzofurazane (4-Chloro-7-nitro-2,1,3-benzoxadiazole; NBD chloride) 6.1/21 <chem>N:C6H2Cl(NO2):NO</chem> <chem>C6H2ClN3O3</chem> M_r 199.55 [10199-89-0]				
25455	puriss. biochim. ~99% (Cl); M.P. 97-99°; Fluorescent derivatives with amines and amino acids: P. B. Gosh and H. W. Whitehouse, <i>Biochem. J.</i> 108, 155 (1968); specific reaction with thiol groups: D. J. Birkett, N. C. Price, G. K. Radola and A. G. Salmon, <i>FEBS-Lett.</i> 6, 346 (1970); R. S. Fager, Ch. B. Kutina, E. W. Abrahamson, <i>Anal. Biochem.</i> 53, 290 (1973)			5 g 32. —	
25410	2-Chloro-4-nitrobenzoic acid purum >98% (T); M.P. 138-140° 6.1/21 <chem>NO2C6H3ClCOOH</chem> <chem>C7H4ClNO4</chem> M_r 201.57 [99-60-5]			100 g 10. —	500 g 42. —
25440	4-Chloro-2-nitrobenzoic acid purum >98% (T); M.P. 141-143°; Ash <0.08% 6.1/21 <chem>NO2C6H3ClCOOH</chem> <chem>C7H4ClNO4</chem> M_r 201.57 [6280-88-2]			50 g 60. —	250 g 255. —
25450	4-Chloro-3-nitrobenzoic acid purum >98% (T); M.P. 180-182° 6.1/21 <chem>NO2C6H3ClCOOH</chem> <chem>C7H4ClNO4</chem> M_r 201.57 [96-99-1]			100 g 10. —	500 g 40. —
25451	5-Chloro-2-nitrobenzoic acid purum >98% (T); M.P. 137-139° 6.1/21 <chem>NO2C6H3ClCOOH</chem> <chem>C7H4ClNO4</chem> M_r 201.57 [2516-95-2]			25 g 18. —	100 g 65. —
	4-Chloro-3-nitrobenzotrifluoride [4-Chloro-3-nitro- α,α,α -trifluorotoluene; 2-Chloro-(5-trifluoromethyl)nitrobenzene] 6.1/21k <chem>NO2C6H3ClCF3</chem> <chem>C7H3ClF3NO2</chem> M_r 225.56 [121-17-5]				
25560	pract. >98% (GC); B.P. ₈ 100° (Lit.); d_4^{20} 1.537; n_D^{20} 1.489	1 lt $\approx$ 1.54 kg		100 ml 30. —	500 ml 125. —
	4-Chloro-7-nitro-2,1,3-benzoxadiazole see 25455 4-Chloro-7-nitrobenzofurazane				
25580	4-Chloro-2-nitrophenol pract. >97% (T); M.P. 84-87° 8/21d <chem>NO2C6H3ClOH</chem> <chem>C6H4ClNO3</chem> M_r 173.56 [89-64-5]			250 g 18. —	1 kg 65. —
25600	2-Chloro-3-nitropyridine purum >97% (Cl); M.P. 100-103° 6.1/21 <chem>N:CHCH:CHC(NO2):Cl</chem> <chem>C5H3ClN2O2</chem> M_r 158.54 [5470-18-8]			10 g 25. —	50 g 105. —
25610	2-Chloro-5-nitropyridine purum >97% (Cl); M.P. 105-108° 6.1/21 <chem>N:CHC(NO2):CHCH:Cl</chem> <chem>C5H3ClN2O2</chem> M_r 158.54 [4548-45-2]			25 g 22. —	100 g 80. —
25615	2-Chloro-5-nitropyrimidine purum >98% (Cl); M.P. 106-109°; store in refrigerator 6.1/21 <chem>N:CCIN:CHC(NO2):Cl</chem> <chem>C4H2ClN3O2</chem> M_r 159.53 [10320-42-0]			1 g 60. —	
25617	4-Chloronitrosobenzene pract. >97% (Cl); M.P. 85-87°; store in refrigerator 6.1/21 <chem>ClC6H4NO</chem> <chem>C6H4ClNO</chem> M_r 141.56 [932-98-9]			5 g 34. —	25 g 145. —
	α-Chloro-2-nitrotoluene see 73180 2-Nitrobenzyl chloride				
	α-Chloro-4-nitrotoluene see 73185 4-Nitrobenzyl chloride				
25620	4-Chloro-2-nitrotoluene pract. >95% (GC); M.P. 34-38°; B.P. ₁₁ 115-116° (Lit.) 6.1/21 <chem>NO2C6H3ClCH3</chem> <chem>C7H6ClNO2</chem> M_r 171.58 [89-59-8]			250 g 17. —	1 kg 60. —
25630	2-Chloro-6-nitrotoluene purum >99% (GC); M.P. 36-37° 6.1/21 <chem>NO2C6H3ClCH3</chem> <chem>C7H6ClNO2</chem> M_r 171.58 [83-42-1]			250 g 20. —	1 kg 70. —
	4-Chloro-3-nitro-α,α,α-trifluorotoluene see 25560 4-Chloro-3-nitrobenzotrifluoride				
	1-Chlorooctadecane (Octadecyl chloride; Stearyl chloride) <chem>CH3(CH2)17Cl</chem> <chem>C18H37Cl</chem> M_r 288.95 [3386-33-2]				
25650	pract. M.P. 18-21°	1 lt $\approx$ 0.85 kg		250 ml 35. —	1 lt 130. —

					sFr.	sFr.
	1-Chlorooctane (Octyl chloride)					
	3/4; 63°	CH ₃ (CH ₂) ₇ Cl	C ₈ H ₁₇ Cl	M _r 148.68	[111-85-3]	
25660		purum >98% (GC); B.P. 178-182°; d ₄ ²⁰ 0.872; n _D ²⁰ 1.430			1 lt ≈ 0.87 kg	250 ml 9. — 1 lt 30. —
25760	Chloropentafluorobenzene purum B.P. 117° (Lit.); d ₄ ²⁰ 1.643; n _D ²⁰ 1.424					
		C ₆ ClF ₅	M _r 202.51	[344-07-0]	1 lt ≈ 1.64 kg	5 ml 18. — 25 ml 75. —
	1-Chloropentane (Pentyl chloride)					
	3/1a; 12°	CH ₃ (CH ₂) ₄ Cl	C ₅ H ₁₁ Cl	M _r 106.60	[543-59-9]	
25770		puriss. >99% (GC); B.P. 106-108°; d ₄ ²⁰ 0.881; n _D ²⁰ 1.412			1 lt ≈ 0.88 kg	100 ml 25. — 500 ml 105. —
	1-Chloro-3-pentanone (2-Chloroethyl ethyl ketone)					
	3/4; 56°	CH ₃ CH ₂ COCH ₂ CH ₂ Cl	C ₅ H ₉ ClO	M _r 120.58	[32830-97-0]	
25780		purum ~97% (GC); B.P. 49-51°; d ₄ ²⁰ 1.042; n _D ²⁰ 1.436; Eliminates HCl very easily to give Ethyl vinyl ketone; stab. with Di-tert-butyl-p-cresol; store in refrigerator			1 lt ≈ 1.04 kg	25 ml 55. —
	5-Chloro-2-pentanone (Methyl 3-chloropropyl ketone)					
	3/4; 67°	Cl(CH ₂) ₃ COCH ₃	C ₅ H ₉ ClO	M _r 120.58	[5891-21-4]	
25791		pract. >97% (GC); B.P. 172-175° dec.; d ₄ ²⁰ 1.051; n _D ²⁰ 1.435; store in refrigerator			1 lt ≈ 1.05 kg	25 ml 12. — 100 ml 40. —
	3-Chloroperbenzoic acid , MCPBA (3-Chloroperoxybenzoic acid)					
	5.2/40d	ClC ₆ H ₄ COOOH	C ₇ H ₅ ClO ₃	M _r 172.57	[937-14-4]	
25800		pract. ~90% + ~10% 3-Chlorobenzoic acid; store in refrigerator			25 g 21. —	100 g 75. —
	3-Chloroperoxybenzoic acid see 25800 3-Chloroperbenzoic acid					
	4-Chlorophenacyl bromide see 16617 ω-Bromo-4-chloroacetophenone					
	2-Chlorophenol					
	6.1/81b	ClC ₆ H ₄ OH	C ₆ H ₅ ClO	M _r 128.56	[95-57-8]	
25820		purum >97% (GC); M.P. 8-10°; B.P. 116-118°; d ₄ ²⁰ 1.262; n _D ²⁰ 1.559			1 lt ≈ 1.26 kg	250 ml 9. — 1 lt 28. —
25840	3-Chlorophenol purum >98% (GC); M.P. 31-33°; store in refrigerator				25 g 12. —	100 g 40. —
	6.1/81b	ClC ₆ H ₄ OH	C ₆ H ₅ ClO	M _r 128.56	[108-43-0]	
	4-Chlorophenol					
	6.1/81b	ClC ₆ H ₄ OH	C ₆ H ₅ ClO	M _r 128.56	[106-48-9]	
25850		puriss. >99% (GC); M.P. 42-44°; B.P. 110-112°			100 g 12. —	500 g 50. —
25860		purum >98% (GC); M.P. 40-43°; containing some 2- and 3-Chlorophenol			250 g 7. —	1 kg 20. —
	Chlorophenol Red (3',3''-Dichlorophenolsulfonphthalein)					
		C ₆ H ₄ SO ₂ OC ₆ H ₃ (Cl) ₂ (OH) ₂	C ₁₉ H ₁₂ Cl ₂ O ₅ S	M _r 423.28	[4430-20-0]	
25870		Standard Fluka Indicator pH 4.6-7.0			5 g 18. —	25 g 75. —
	2-Chlorophenothiazine (2-Chlorothiodiphenylamine)					
	6.1/81a	ClC ₆ H ₄ NHC ₆ H ₄ S	C ₁₂ H ₈ ClNS	M _r 233.72	[92-39-7]	
26495		pract. ~95% (Cl); M.P. 195-200°			25 g 33. —	100 g 120. —
25890	4-Chlorophenoxyacetic acid purum >98% (T); M.P. 157-159° (4-CPA)				250 g 20. —	1 kg 70. —
	6.1/22	ClC ₆ H ₄ OCH ₂ COOH	C ₈ H ₇ ClO ₃	M _r 186.60	[122-88-3]	
	α-Chlorophenylacetyl chloride					
	8/22; 59°	C ₆ H ₅ CHClCOCl	C ₈ H ₆ Cl ₂ O	M _r 189.04	[2912-62-1]	
25900		purum >97% (GC); B.P. 110-112° (Lit.); d ₄ ²⁰ 1.300; n _D ²⁰ 1.546			1 lt ≈ 1.30 kg	50 ml 21. —
25929	2-Chlorophenylacetic acid purum >98% (T); M.P. 92-95°; Ash <0.5%				10 g 25. —	50 g 105. —
	6.1/22	ClC ₆ H ₄ CH ₂ COOH	C ₈ H ₇ ClO ₂	M _r 170.60	[2444-36-2]	
25930	3-Chlorophenylacetic acid purum >98% (T); M.P. 76-78°				10 g 32. —	50 g 135. —
	6.1/22	ClC ₆ H ₄ CH ₂ COOH	C ₈ H ₇ ClO ₂	M _r 170.60	[1878-65-5]	
25931	4-Chlorophenylacetic acid purum >98% (T); M.P. 102-105°; Ash <0.1%				25 g 11. —	100 g 38. —
	6.1/22	ClC ₆ H ₄ CH ₂ COOH	C ₈ H ₇ ClO ₂	M _r 170.60	[1878-66-6]	
	3-Chlorophenylacetonitrile see 23860 2-Chlorobenzyl cyanide					
	4-Chlorophenylacetonitrile see 23870 4-Chlorobenzyl cyanide					
	ω-Chloro-ω-phenylacetophenone see 31195 Desyl chloride					
	1-(2-Chlorophenyl)-1-(4-chlorophenyl)-2,2-dichloroethane [2,4'-(Dichlorodiphenyl)dichloroethane]					
		(ClC ₆ H ₄) ₂ CHCHCl ₂	C ₁₄ H ₁₀ Cl ₄	M _r 320.05	[53-19-0]	
25925		puriss. ~99% (HPLC); M.P. 76-78°; for diagnostic use			5 g 32. —	25 g 135. —

				sFr.	sFr.
25927	N-(3-Chlorophenyl)diethanolamine purum >98% (NT); M.P. 89-91° $\text{ClC}_6\text{H}_4\text{N}(\text{CH}_2\text{CH}_2\text{OH})_2$ $\text{C}_{10}\text{H}_{14}\text{ClNO}_2$ M_r 215.68 [92-00-2]			25 g 23. —	100 g 85. —
	4-Chlorophenyl diselenide see 14665 Bis(4-chlorophenyl)diselenide				
24220	4-Chloro-1,2-phenylenediamine (4-Chloro-1,2-diaminobenzene) $\text{ClC}_6\text{H}_3(\text{NH}_2)_2$ $\text{C}_6\text{H}_7\text{ClN}_2$ M_r 142.59 [95-83-0] pract. >95% (NT); M.P. 70-74°; Ash ~5%			100 g 25. —	500 g 105. —
24240	2-Chloro-1,4-phenylenediamine sulfate (2-Chloro-1,4-diaminobenzene sulfate) $\text{ClC}_6\text{H}_3(\text{NH}_2)_2 \cdot \text{H}_2\text{SO}_4$ $\text{C}_6\text{H}_7\text{ClN}_2 \cdot \text{H}_2\text{SO}_4$ M_r 240.68 [61702-44-1] pract. ~95% (T)			100 g 20. —	500 g 85. —
25910	2-(4'-Chlorophenyl)ethylamine $\text{ClC}_6\text{H}_4\text{CH}_2\text{CH}_2\text{NH}_2$ $\text{C}_8\text{H}_{10}\text{ClN}$ M_r 155.63 [156-41-2] purum >98% (GC); d_4^{20} 1.121; n_D^{20} 1.547	1 lt ≈ 1.12 kg		25 ml 18. —	
25960	2-Chlorophenylhydrazine hydrochloride purum >97% (Cl); M.P. 201-202° dec. $\text{ClC}_6\text{H}_4\text{NHNH}_2 \cdot \text{HCl}$ $\text{C}_6\text{H}_7\text{ClN}_2 \cdot \text{HCl}$ M_r 179.05 [41052-75-9]			10 g 28. —	50 g 120. —
25970	3-Chlorophenylhydrazine hydrochloride $\text{ClC}_6\text{H}_4\text{NHNH}_2 \cdot \text{HCl}$ $\text{C}_6\text{H}_7\text{ClN}_2 \cdot \text{HCl}$ M_r 179.05 [2312-23-4] purum >97% (Cl); M.P. 228-229° dec.			25 g 20. —	100 g 70. —
25971	techn. containing 40-50% water			250 g 33. —	
25980	4-Chlorophenylhydrazine hydrochloride purum >98% (Cl); M.P. ~225° dec. $\text{ClC}_6\text{H}_4\text{NHNH}_2 \cdot \text{HCl}$ $\text{C}_6\text{H}_7\text{ClN}_2 \cdot \text{HCl}$ M_r 179.05 [1073-70-7]			10 g 18. —	50 g 75. —
25990	3-Chlorophenyl isocyanate (3-Isocyanatochlorobenzene) 6.1/21 $\text{ClC}_6\text{H}_4\text{NCO}$ $\text{C}_7\text{H}_4\text{ClNO}$ M_r 153.57 [2909-38-8] purum >98% (Cl); B.P. 78-80°; d_4^{20} 1.269; n_D^{20} 1.559	1 lt ≈ 1.27 kg		100 ml 10. —	500 ml 42. —
26000	4-Chlorophenyl isocyanate purum >98% (GC); M.P. 28-31° (4-Isocyanato chlorobenzene) 6.1/21 $\text{ClC}_6\text{H}_4\text{NCO}$ $\text{C}_7\text{H}_4\text{ClNO}$ M_r 153.57 [104-12-1]			100 g 10. —	500 g 26. —
26001	4-Chlorophenyl isothiocyanate purum >98% (Cl); M.P. 43-45° 6.1/21 $\text{ClC}_6\text{H}_4\text{NCS}$ $\text{C}_7\text{H}_4\text{ClNS}$ M_r 169.63 [2131-55-7]			10 g 30. —	
	4-Chlorophenylmercaptan see 26510 4-Chlorothiophenol				
	3-Chloro-1-phenyl-1-propanone see 26226 β-Chloropropiophenone				
	trans-3-(2-Chlorophenyl) propenoic acid see 26665 2-Chlorocinnamic acid				
	trans-3-(3-Chlorophenyl) propenoic acid see 26667 3-Chlorocinnamic acid				
25923	4-Chloro-2-phenylquinazoline purum >97% (Cl); M.P. 124-126° $\text{C}_6\text{H}_4\text{N}:\text{C}(\text{C}_6\text{H}_5)\text{N}:\text{C}\text{Cl}$ $\text{C}_{14}\text{H}_9\text{ClN}_2$ M_r 240.69 [6484-25-9]			5 g 24. —	25 g 100. —
35800	4-Chlorophenyl sulfone [Bis(4-chlorophenyl) sulfone; 4,4'-Dichloro diphenyl sulfone] 8/12 $(\text{ClC}_6\text{H}_4)_2\text{SO}_2$ $\text{C}_{12}\text{H}_8\text{Cl}_2\text{O}_2\text{S}$ M_r 287.17 [80-07-9] purum > 97% (Cl); M.P. 145-148°; 1 g clearly soluble in 10 ml Dioxane			250 g 22. —	1 kg 80. —
26030	5-Chloro-1-phenyl-1H-tetrazol $\text{C}_6\text{H}_5\text{NN}:\text{NN}:\text{C}\text{Cl}$ $\text{C}_7\text{H}_5\text{ClN}_4$ M_r 180.60 [14210-25-4] purum >98% (Cl); M.P. 120-123°; Reagent for the replacement of phenolic OH by H: L. Fieser, M. Fieser, "Reagent for Organic Synthesis", 4, 377			5 g 14. —	
26049	Chlorophosphonazo III p.a. [2,7-Bis(4-chloro-2-phosphonophenylazo)chromotropic acid] $\text{C}_{22}\text{H}_{16}\text{Cl}_2\text{N}_4\text{O}_{14}\text{P}_2\text{S}_2$ M_r 757.37 [1914-99-4]			250 mg 26. —	1 g 95. —
25730	Chlorophyll a $\text{C}_{55}\text{H}_{72}\text{MgN}_4\text{O}_5$ M_r 893.53 [479-61-8] purum cryst.; store in refrigerator; λ_{max} in Et_2O : 660, 613, 576, 530, 496, 428, 409, 381 nm; P. H. Hynninen, Acta Chem. Scand. B 31, 829 (1977); G. Sievers, P. H. Hynninen, J. Chromatogr. 134, 359 (1977)			1 mg 45. —	
25740	Chlorophyll b $\text{C}_{55}\text{H}_{70}\text{MgN}_4\text{O}_5$ M_r 907.52 [519-62-0] purum cryst.; store in refrigerator; λ_{max} in Et_2O : 642, 592, 452, 427 nm; P. H. Hynninen, Acta Chem. Scand. B 31, 829 (1977); G. Sievers, P. H. Hynninen, J. Chromatogr. 134, 359 (1977)			1 mg 45. —	
82149	1-Chloropropane (Propyl chloride) 3/1a; -18° $\text{CH}_3\text{CH}_2\text{CH}_2\text{Cl}$ $\text{C}_3\text{H}_7\text{Cl}$ M_r 78.54 [540-54-5] purum >98% (GC); B.P. 45-47°; d_4^{20} 0.890; n_D^{20} 1.389	1 lt ≈ 0.89 kg		250 ml 35. —	1 lt 130. —

			sFr.	sFr.
2-Chloropropane (Isopropyl chloride)				
3/1a; <-21°	(CH ₃) ₂ CHCl C ₃ H ₇ Cl M _r 78.54 [75-29-6]			
59379	for HPLC; B.P. 35°; n _D ²⁰ 1.378; UV cut-off 225 nm; solvent strength			
	ε (Al ₂ O ₃) 0.29; H ₂ O <0.1%			
59380	puriss. >99.5% (GC); B.P. 34-35°; d ₄ ²⁰ 0.862; n _D ²⁰ 1.378			
	1 lt ≈ 0.86 kg	1 lt 18. —	2.5 lt 40. —	
	1 lt ≈ 0.86 kg	1 lt 15. —	2.5 lt 33. —	
3-Chloro-1,2-propanediol (α-Glycerol chlorohydrine)				
	ClCH ₂ CH(OH)CH ₂ OH C ₃ H ₇ ClO ₂ M _r 110.54 [96-24-2]			
26080	purum >98% (GC); B.P. 216-219°; d ₄ ²⁰ 1.323; n _D ²⁰ 1.480			
	1 lt ≈ 1.32 kg	250 ml 10. —	1 lt 35. —	
1-Chloro-2-propanol (Propylene chlorohydrin)				
3/3; 52°	CH ₃ CH(OH)CH ₂ Cl + CH ₃ CHClCH ₂ OH C ₃ H ₇ ClO M _r 94.54 [127-00-4]			
82240	purum B.P. 123-127°; d ₄ ²⁰ 1.114; n _D ²⁰ 1.439			
	1 lt ≈ 1.11 kg	100 ml 22. —	500 ml 90. —	
3-Chloro-1-propanol (Trimethylene chlorohydrin)				
6.1/12	Cl(CH ₂) ₃ OH C ₃ H ₇ ClO M _r 94.54 [627-30-5]			
26090	purum >98% (GC); B.P. 48-50°; d ₄ ²⁰ 1.131; n _D ²⁰ 1.446;			
	free HCl ~0.5%			
	1 lt ≈ 1.13 kg	100 ml 22. —	500 ml 90. —	
Chloro-2-propanone see 22820 Chloroacetone				
2-Chloro-1-propene				
3/1a; <0°	CH ₃ CCl:CH ₂ C ₃ H ₅ Cl M _r 76.53 [557-98-2]			
26110	purum >97% (GC); B.P. 23-26°; d ₄ ²⁰ 0.91; n _D ²⁰ 1.397;			
	store in refrigerator			
	1 lt ≈ 0.91 kg	10 ml 40. —	50 ml 170. —	
3-Chloro-1-propene see 05880 Allyl chloride				
3-Chloropropionaldehyde diethylacetal				
3/3; 54°	ClCH ₂ CH ₂ CH(OC ₂ H ₅) ₂ C ₇ H ₁₅ ClO ₂ M _r 166.65 [35573-93-4]			
26130	purum >98% (GC); B.P. 58-62°; d ₄ ²⁰ 0.990; n _D ²⁰ 1.420			
	1 lt ≈ 0.99 kg	25 ml 24. —	100 ml 90. —	
2-Chloropropionic acid				
8/21d	CH ₃ CHClCOOH C ₃ H ₅ ClO ₂ M _r 108.52 [598-78-7]			
26150	purum ~97% (GC); B.P. 79-81°; d ₄ ²⁰ 1.260; n _D ²⁰ 1.436;			
	containing 1-3% 2,2-Dichloropropionic acid			
26160	pract. ~95% (T); B.P. 78-80°; d ₄ ²⁰ 1.26; n _D ²⁰ 1.455;			
	containing 4-6% 2,2-Dichloropropionic acid			
	1 lt ≈ 1.26 kg	250 ml 35. —		
	1 lt ≈ 1.26 kg	1 lt 25. —		
3-Chloropropionic acid				
8/21d	ClCH ₂ CH ₂ COOH C ₃ H ₅ ClO ₂ M _r 108.52 [107-94-8]			
26170	purum ~98% (T); M.P. 38-40°			
26171	pract. >97% (T); M.P. 35-40°			
		100 g 11. —	500 g 44. —	
		250 g 12. —	1 kg 40. —	
3-Chloropropionitrile				
6.1/21; 83°	ClCH ₂ CH ₂ CN C ₃ H ₄ ClN M _r 89.52 [542-76-7]			
26140	purum >98% (GC); B.P. 174-176°; d ₄ ²⁰ 1.142; n _D ²⁰ 1.438			
	1 lt ≈ 1.14 kg	100 ml 15. —	500 ml 63. —	
2-Chloropropionyl chloride				
8/22	CH ₃ CHClCOCl C ₃ H ₄ Cl ₂ O M _r 126.97 [7623-09-8]			
26200	purum ~97% (GC); B.P. 110-113°; d ₄ ²⁰ 1.275; n _D ²⁰ 1.439			
	1 lt ≈ 1.28 kg	100 ml 32. —	500 ml 135. —	
3-Chloropropionyl chloride				
8/22	ClCH ₂ CH ₂ COCl C ₃ H ₄ Cl ₂ O M _r 126.97 [625-36-5]			
26210	purum >98% (GC); B.P. 38-40°; d ₄ ²⁰ 1.322; n _D ²⁰ 1.457			
26211	pract. ~97% (GC); redbrown liquid			
	1 lt ≈ 1.32 kg	100 ml 25. —	500 ml 105. —	
	1 lt ≈ 1.32 kg	250 ml 17. —	1 lt 60. —	
β-Chloropropiophenone (3-Chloro-1-phenyl-1-propanone)				
	ClCH ₂ CH ₂ COC ₆ H ₅ C ₉ H ₉ ClO M _r 168.62 [936-59-4]			
26226	purum >97% (Cl); M.P. 48-50°; Precursor for the unstable phenylvinylketone			
		5 g 12. —	25 g 50. —	
26227	3-Chloropropylamine hydrochloride purum >98% (Cl); M.P. 144-147°			
	ClCH ₂ CH ₂ CH ₂ NH ₂ ·HCl C ₃ H ₈ ClN·HCl M _r 130.02 [6276-54-6]			
		50 g 18. —	250 g 75. —	
2-Chloropropylidimethylamine hydrochloride see 24367 2-Chloro-1-dimethylaminopropane hydrochloride				
(3-Chloropropyl)methyldichlorosilane				
	CH ₂ ClCH ₂ CH ₂ SiCl ₂ (CH ₃) C ₄ H ₉ Cl ₃ Si M _r 191.56 [7787-93-1]			
26240	purum B.P. 184-187°; d ₄ ²⁰ 1.205; n _D ²⁰ 1.461			
	1 lt ≈ 1.21 kg	100 ml 22. —		
1-(3-Chloropropyl)piperidine hydrochloride see 80780 3-Piperidinopropyl chloride hydrochloride				
3-Chloro-1-propyne see 81839 Propargyl chloride				

				sFr.	sFr.
26260	6-Chloropurine purum >98% (UV); $\lambda_{\max}$ 264 nm, $\log \epsilon$ 3.95 (pH = 1) $\text{C}_5\text{H}_3\text{ClN}_4$ M_r 154.56 [87-42-3]			1 g 9. —	5 g 34. —
26270	6-Chloropurine riboside (6-Chloropurine-9- β -D-ribofuranoside) $\text{C}_{10}\text{H}_{11}\text{ClN}_4\text{O}_4$ M_r 286.68 [2004-06-0] purum >98% (Cl); M.P. $\sim 160^\circ$ dec.; $[\alpha]_{\text{D}}^{20} -53 \pm 1^\circ$; $[\alpha]_{\text{D}}^{20} -45 \pm 1^\circ$ ($c = 0.8$ in water); store in refrigerator			250 mg 29. —	
26280	2-Chloropyridine purum >98% (GC); B.P. 167-170°; d_4^{20} 1.209; n_{D}^{20} 1.532 6.1/21 $\text{N}:\text{CHCH}:\text{CHCH}:\text{C}\text{Cl}$ $\text{C}_5\text{H}_4\text{ClN}$ M_r 113.55 [109-09-1]	1 lt $\approx$ 1.21 kg		100 ml 16. —	500 ml 67. —
26290	3-Chloropyridine 6.1/21 $\text{N}:\text{CHCCl}:\text{CHCH}:\text{CH}$ $\text{C}_5\text{H}_4\text{ClN}$ M_r 113.55 [626-60-8] purum >98% (GC); B.P. 147-150°; d_4^{20} 1.209; n_{D}^{20} 1.532	1 lt $\approx$ 1.21 kg		10 ml 25. —	
26300	4-Chloropyridine hydrochloride purum >99% (Cl); M.P. $\sim 220^\circ$ 6.1/21 $\text{N}:\text{CHCH}:\text{CClCH}:\text{CH}.\text{HCl}$ $\text{C}_5\text{H}_4\text{ClN}.\text{HCl}$ M_r 150.01 [7379-35-3]			10 g 22. —	50 g 90. —
26310	4-Chloropyridine-N-oxide purum >98% (Cl); M.P. 163-165° dec. 6.1/21 $\text{ON}:\text{CHCH}:\text{CClCH}:\text{CH}$ $\text{C}_5\text{H}_4\text{ClNO}$ M_r 129.55 [1121-76-2]			5 g 55. —	
26275	2-Chloropyrimidine pract. >97% (Cl); M.P. 63-65° $\text{N}:\text{C}(\text{Cl})\text{N}:\text{CHCH}:\text{CH}$ $\text{C}_4\text{H}_3\text{ClN}_2$ M_r 114.54 [1722-12-9]			10 g 20. —	50 g 85. —
24090	2-Chloroquinoline $\text{C}_8\text{H}_6\text{ClN}$ M_r 163.61 [612-62-4] purum >98% (Cl); M.P. 34-36°; B.P. 96-99°; 1 g clearly soluble in 10 ml Methanol			25 g 17. —	100 g 60. —
24100	3-Chloroquinuclidine hydrochloride purum >99% (Cl); M.P. 224-226° $\text{C}_7\text{H}_{12}\text{ClN}.\text{HCl}$ M_r 182.09 [33601-77-3]			5 g 32. —	
26330	5-Chlorosalicylanilide purum 99%; M.P. 209-211° $\text{HOC}_6\text{H}_3\text{ClCONHC}_6\text{H}_5$ $\text{C}_{13}\text{H}_{10}\text{ClNO}_2$ M_r 247.68 [4638-48-6]			100 g 35. —	
26320	5-Chlorosalicylic acid purum >98% (T); M.P. 172-174°; Ash <0.05% $\text{HOC}_6\text{H}_3\text{ClCOOH}$ $\text{C}_7\text{H}_5\text{ClO}_3$ M_r 172.57 [321-14-2]			100 g 8. —	500 g 29. —
26360	4-Chlorostyrene 3/4; 68° $\text{ClC}_6\text{H}_4\text{CH}:\text{CH}_2$ $\text{C}_8\text{H}_7\text{Cl}$ M_r 138.60 [1073-67-2] pract. $\sim 97\%$ (GC); B.P. 74° (Lit.); d_4^{20} 1.085; n_{D}^{20} 1.564; store in refrigerator	1 lt $\approx$ 1.09 kg		10 ml 25. —	50 ml 105. —
23950	Chlorosuccinic acid purum >98% (T); M.P. 149-151° $\text{HOOCCH}_2\text{CHClCOOH}$ $\text{C}_4\text{H}_5\text{ClO}_4$ M_r 152.54 [16045-92-4]			10 g 28. —	50 g 120. —
26370	N-Chlorosuccinimide $\text{COCH}_2\text{CH}_2\text{CONCl}$ $\text{C}_4\text{H}_4\text{ClNO}_2$ M_r 133.54 [128-09-6] purum $\sim 98\%$ (RT); M.P. 148-150°; 1 g clearly soluble in 20 ml water; Modification of methionine by mild oxidation: M. Walsh, F. C. Stevens, Biochemistry 16, 2742 (1977)			100 g 12. —	500 g 50. —
26388	Chlorosulfonic acid 8/11a ClSO_3H ClHO_3S M_r 116.52 [7790-94-5] purum >98% (T); d_4^{20} 1.749	1 lt $\approx$ 1.75 kg	100 ml 8. —	500 ml 13. —	1 lt 25. —
26391	Chlorosulfonyl isocyanate 8/11 ClSO_2NCO CClNO_3S M_r 141.53 [1189-71-5] pract. >97% (Cl); B.P. 106-107° (Lit.); d_4^{20} 1.62; Contact with skin should be avoided; The most reactive isocyanate known. Review: J. K. Rasmussen, A. Hassner, Chem. Rev. 76, 389 (1976)	1 lt $\approx$ 1.62 kg		10 ml 12. —	50 ml 50. —
"Chlorothene" see 91099 1,1,1-Trichloroethane					
2-Chlorothiodiphenylamine see 26495 2-Chlorophenothiazine					
26515	2-Chlorothioxanthone pract. $\sim 97\%$ (Cl); M.P. 151-152° $\text{ClC}_6\text{H}_3\text{SCH}_2\text{CO}$ $\text{C}_{13}\text{H}_7\text{ClOS}$ M_r 246.72 [86-39-5]			50 g 29. —	
26500	2-Chlorothiophene (Thienyl chloride) 3/3; 23° $\text{SCCl}:\text{CHCH}:\text{CH}$ $\text{C}_4\text{H}_3\text{ClS}$ M_r 118.59 [96-43-5] purum $\sim 97\%$ (GC); B.P. 125-128°; d_4^{20} 1.284; n_{D}^{20} 1.547; store in refrigerator	1 lt $\approx$ 1.28 kg		25 ml 16. —	100 ml 55. —
26510	4-Chlorothiophenol purum >98% (GC); M.P. 49-51° (4-Chlorophenyl mercaptan) 6.1/81a $\text{ClC}_6\text{H}_4\text{SH}$ $\text{C}_6\text{H}_5\text{ClS}$ M_r 144.62 [106-54-7]			100 g 10. —	500 g 37. —

				sFr.	sFr.
	α-Chlorotoluene see 13270 Benzyl chloride				
	2-Chlorotoluene 3/3; 42° CH ₃ C ₆ H ₄ Cl C ₇ H ₇ Cl M _r 126.59 [95-49-8]				
26520	puriss. >99.5%(GC); B.P. 157-159°; d ₄ ²⁰ 1.082; n _D ²⁰ 1.525		1 lt ≈ 1.08 kg	100 ml 12. —	500 ml 50. —
26530	purum >97%(GC); B.P. 156-160°; d ₄ ²⁰ 1.082; n _D ²⁰ 1.525		1 lt ≈ 1.08 kg	250 ml 9. —	1 lt 28. —
26540	3-Chlorotoluene purum >98%(GC); B.P. ₂₈ 115-118°; d ₄ ²⁰ 1.071; n _D ²⁰ 1.522 3/3; 52° CH ₃ C ₆ H ₄ Cl C ₇ H ₇ Cl M _r 126.59 [108-41-8]				
	4-Chlorotoluene 3/3; 53° CH ₃ C ₆ H ₄ Cl C ₇ H ₇ Cl M _r 126.59 [106-43-4]				
26550	purum >99%(GC); M.P. 7-8°; B.P. 159-162°; d ₄ ²⁰ 1.068; n _D ²⁰ 1.521		1 lt ≈ 1.07 kg	250 ml 12. —	1 lt 40. —
	N-Chloro-4-toluenesulfonamide Sodium salt see 23270 Chloramine T				
	α-Chloro-p-toluylic acid [4-(Chloromethyl)benzoic acid] CH ₂ ClC ₆ H ₄ COOH C ₈ H ₇ ClO ₂ M _r 170.60 [1126-46-1]				
26559	purum >98%(Cl); M.P. 200-202°		10 g 10. —	50 g 40. —	250 g 165. —
	3S-1-Chloro-3-p-tosylamido-7-amino-L-2-heptanone hydrochloride see 90182 Na-p-Tosyl-L-lysine chloromethylketone hydrochloride				
	3S-1-Chloro-3-p-tosylamido-4-phenyl-L-2-butanone see 90184 p-Tosyl-L-phenylalanine chloromethylketone				
	2-Chlorotriethylamine hydrochloride see 31810 2-Diethylaminoethyl chloride hydrochloride				
	Chlorotriethylsilane see 90383 Triethylchlorosilane				
	2-Chloro-5-(trifluoromethyl)aniline see 07430 3-Amino-4-chlorobenzotrifluoride				
	4-Chloro-3-(trifluoromethyl)aniline see 07440 5-Amino-2-chlorobenzotrifluoride				
	1-Chloro-2-(trifluoromethyl)benzene see 23690 2-Chlorobenzotrifluoride				
	1-Chloro-3-(trifluoromethyl)benzene see 23700 3-Chlorobenzotrifluoride				
	1-Chloro-4-(trifluoromethyl)benzene see 23720 4-Chlorobenzotrifluoride				
	2-Chloro-5-(trifluoromethyl)nitrobenzene see 25560 4-Chloro-3-nitrobenzotrifluoride				
	Chlorotrimethylsilane see 92360 Trimethylchlorosilane				
	Chlorotriphenylmethane see 93000 Triphenylchloromethane				
	Chlorotriphenylsilane see 93008 Triphenylchlorosilane				
	5-Chloro-n-valeric acid Cl(CH ₂) ₄ COOH C ₅ H ₉ ClO ₂ M _r 136.58 [1119-46-6]				
26580	purum >99%(GC); M.P. 18-20°; d ₄ ²⁰ 1.168; n _D ²⁰ 1.456		1 lt ≈ 1.17 kg	10 ml 12. —	50 ml 50. —
	5-Chloro-n-valeronitrile 6.1/2b Cl(CH ₂) ₄ CN C ₅ H ₈ ClN M _r 117.58 [6280-87-1]				
26590	purum ~97%(GC); d ₄ ²⁰ 1.048; n _D ²⁰ 1.447		1 lt ≈ 1.05 kg	25 ml 35. —	
	2-Chloro-p-xylene (2-Chloro-1,4-dimethylbenzene) 3/4; 67° ClC ₆ H ₃ (CH ₃) ₂ C ₈ H ₉ Cl M _r 140.61 [95-72-7]				
26630	purum >99%(GC); M.P. 2-3°; B.P. ₁₂ 64-66°; d ₄ ²⁰ 1.056; n _D ²⁰ 1.524		1 lt ≈ 1.06 kg	250 ml 17. —	1 lt 60. —
	4-Chloro-o-xylene (4-Chloro-1,2-dimethylbenzene) 3/4; 72° ClC ₆ H ₃ (CH ₃) ₂ C ₈ H ₉ Cl M _r 140.61 [615-60-1]				
26640	pract. ~95%(GC); B.P. 190-194°; d ₄ ²⁰ 1.065; n _D ²⁰ 1.529		1 lt ≈ 1.07 kg	25 ml 24. —	100 ml 90. —
	α-Chloro-o-xylene (2-Methylbenzyl chloride; o-Xylylchloride) CH ₃ C ₆ H ₄ CH ₂ Cl C ₈ H ₉ Cl M _r 140.61 [552-45-4]				
26650	purum >97%(GC); B.P. 199° (Lit.); d ₄ ²⁰ 1.088; n _D ²⁰ 1.541; o-Xylene ~1%		1 lt ≈ 1.09 kg	25 ml 12. —	100 ml 40. —
	α-Chloro-m-xylene (3-Methylbenzyl chloride; m-Xylylchloride) CH ₃ C ₆ H ₄ CH ₂ Cl C ₈ H ₉ Cl M _r 140.61 [620-19-9]				
26661	pract. ~95%(GC); B.P. 195-196° (Lit.); d ₄ ²⁰ 1.070; n _D ²⁰ 1.534		1 lt ≈ 1.07 kg	25 ml 12. —	100 ml 40. —

			sFr.	sFr.
	4-Chloro-sym.-m-xlenol see 24380 4-Chloro-3,5-dimethylphenol			
	Cholaminchloride hydrochloride see 06730 2-Aminoethyl-trimethylammoniumchloride hydrochloride			
	5,7-Cholestadien-3β-ol see 30800 7-Dehydrocholesterol			
26700	5α-Cholestane purum M.P. 78-80°; $[\alpha]_{546}^{20} + 29.5 \pm 1^\circ$; $[\alpha]_D^{20} + 25.0 \pm 1^\circ$ (c = 2 in Chlf.) C ₂₇ H ₄₈ M _r 372.68 [481-21-0]		100 mg 10. —	1 g 70. —
	5α-Cholestan-3β-ol (3 β -Hydroxy-5 α -cholestane; Dihydrocholesterol) C ₂₇ H ₄₈ O.H ₂ O M _r 406.70 [80-97-7]			
26710	purum M.P. 138-140°; $[\alpha]_{546}^{20} + 27 \pm 1^\circ$; $[\alpha]_D^{20} + 24 \pm 1^\circ$ (c = 1 in Chlf.); 1 g clearly and colourless soluble in 10 ml CHCl ₃		5 g 12. —	25 g 50. —
	5-Cholesten-3β-ol see 26730 Cholesterol			
	4-Cholesten-3-one (3-Oxo-4-cholestene) C ₂₇ H ₄₄ O M _r 384.65 [601-57-0]			
26720	purum >99% (UV); M.P. 79-81°; $[\alpha]_{546}^{20} + 105 \pm 1^\circ$; $[\alpha]_D^{20} + 89 \pm 1^\circ$ (c = 1 in Chlf.); Cholesterol ~1%		5 g 29. —	25 g 120. —
	Cholesterol (5-Cholesten-3 β -ol) C ₂₇ H ₄₆ O M _r 386.67 [57-88-5]			
26730	puriss. cryst. from human gallstones; M.P. 144-148°; $[\alpha]_{546}^{20} - 41 \pm 2^\circ$ $[\alpha]_D^{20} - 33 \pm 2^\circ$ (c = 2 in Dioxane)		1 g 35. —	5 g 145. —
26740	puriss. p.a. U.S.P. cryst.; M.P. 147-150°; $[\alpha]_{546}^{20} - 43 \pm 1^\circ$; $[\alpha]_D^{20} - 35 \pm 1^\circ$ (c = 2 in Dioxane)		100 g 20. —	500 g 85. —
	Cholesteryl acetate (3 β -Acetoxy-5-cholestene) C ₂₉ H ₄₈ O ₂ M _r 428.70 [604-35-3]			
26750	purum M.P. 112-115°; $[\alpha]_{546}^{20} - 51 \pm 1^\circ$; $[\alpha]_D^{20} - 43 \pm 1^\circ$ (c = 5 in Chlf.)		50 g 34. —	
	Cholesteryl chloride (3 β -Chloro-5-cholestene) C ₂₇ H ₄₅ Cl M _r 405.11 [910-31-6]			
26810	purum M.P. 94-96°; $[\alpha]_{546}^{20} - 33 \pm 1.5^\circ$; $[\alpha]_D^{20} - 25 \pm 1.5^\circ$ (c = 1 in Benzene)		25 g 40. —	
26910	Cholesteryl palmitate purum M.P. 74-77°; $[\alpha]_{546}^{20} - 30 \pm 1^\circ$ (c = 5 in Chlf.) CH ₃ (CH ₂) ₁₄ COOC ₂₇ H ₄₅ C ₄₃ H ₇₆ O ₂ M _r 625.08 [601-34-3]		25 g 29. —	
26765	Cholesteryl phosphoryl choline purum M.P. 286-288° C ₃₂ H ₅₈ NO ₄ P M _r 551.80		1 g 95. —	5 g 400. —
26950	Cholesteryl stearate purum M.P. 79-81°; $[\alpha]_{546}^{20} - 28.0 \pm 2^\circ$ (c = 5 in Chlf.) CH ₃ (CH ₂) ₁₆ COOC ₂₇ H ₄₅ C ₄₅ H ₈₀ O ₂ M _r 653.14 [1184-05-0]		10 g 13. —	50 g 55. —
	Cholic acid (3 α ,7 α ,12 α -Trihydroxy-5 β -cholanic acid) C ₂₄ H ₄₀ O ₅ M _r 408.58 [81-25-4]			
27010	puriss. >99% (T); M.P. 197-199°; $[\alpha]_{546}^{20} + 41 \pm 2^\circ$; $[\alpha]_D^{20} + 36 \pm 2^\circ$ (c = 0.6 in Ethanol); Ash <0.05%		25 g 11. —	100 g 38. —
	Cholic acid Sodium salt (3 α ,7 α ,12 α -Trihydroxy-5 β -cholanic acid Sodium salt; Sodium cholate) C ₂₄ H ₃₉ NaO ₅ M _r 430.57 [361-09-1]			
27028	puriss. ~97% (NT); $[\alpha]_{546}^{20} + 40 \pm 1^\circ$; $[\alpha]_D^{20} + 34 \pm 1^\circ$ (c = 0.6 in Ethanol); H ₂ O ~3%		10 g 20. —	50 g 85. —
27030	pract. >90-95% (NT); $[\alpha]_{546}^{20} + 39 \pm 2^\circ$; $[\alpha]_D^{20} + 32 \pm 2^\circ$ (c = 0.6 in Ethanol); H ₂ O 4-7%		25 g 17. —	100 g 60. —
	Choline 50% in water [(2-Hydroxyethyl)trimethylammonium hydroxide] 8/32 (CH ₃) ₃ N(OH)CH ₂ CH ₂ OH C ₅ H ₁₅ NO ₂ M _r 121.18 [62-49-7]			
26970	pract.	1 lt $\approx$ 1.09 kg	100 ml 12. —	500 ml 50. —
26972	Choline 45% in Methanol purum 3/3; 42° (CH ₃) ₃ N(OH)CH ₂ CH ₂ OH C ₅ H ₁₅ NO ₂ M _r 121.18 [62-49-7]	1 lt $\approx$ 0.80 kg	250 ml 16. —	1 lt 55. —
	Choline chloride [(2-Hydroxyethyl)trimethylammonium chloride] (CH ₃) ₃ N(Cl)CH ₂ CH ₂ OH C ₅ H ₁₄ ClNO M _r 139.63 [67-48-1]			
26980	purum >97% (Cl); H ₂ O <3%		250 g 7. —	1 kg 18. —
	Choline dichloride see 23068 2-Chloroethyltrimethylammonium chloride			
27005	Choline iodide purum >98% (I); M.P. 270-272° dec. (CH ₃) ₃ N(I)CH ₂ CH ₂ OH C ₅ H ₁₄ INO M _r 231.08 [17773-10-3]		100 g 30. —	
	Cholyglycine Sodium salt see 50540 Glycocholic acid Sodium salt			
	Chondroitine sulfate Sodium salt			
27043	purum Origin: cartilage of sharke and whale; N 2.5-3.4%; S 6.0-7.0%; pH 6.0-7.0		10 g 11. —	50 g 46. —

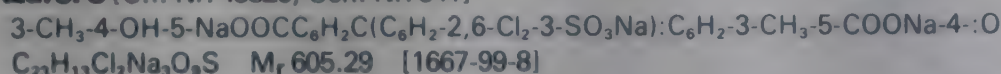
sFr.

sFr.

D-Chondroseamine hydrochloride see 48250 D-Galactosamine hydrochloride

Chromatography see green section

Chrome Azurol S [C.I. Nr. 43825; Sch. Nr. 841]



27090 Standard Fluka for F⁻-determination; Analyst 74, 54 (1949) 25 g 18. — 100 g 65. — 500 g 275. —

Chrome III Ion Standard Solution FLUKA

27067 1.000 g Chrome III/Liter/20°C; prepared from Cr(NO₃)₃; pH 1.5 adjusted with HNO₃ 1 lt ≈ 1.00 kg 500 ml 18. —

Chrome VI Ion Standard Solution FLUKA

27068 1.000 g Chrome VI/Liter/20°C; prepared from K₂Cr₂O₇; pH 4 1 lt ≈ 1.00 kg 500 ml 18. —

27175 Chromic acid polymer supported; ~2.5 m Aeq CrO₃/g resine 25 g 24. — 100 g 90. —

Chromium

Cr A_r 52.00 [7440-47-3]

27050 puriss. granular 99.995% 25 g 17. — 100 g 60. —
27060 purum p.a. powder; mesh size up to 60 mesh 100 g 10. — 500 g 29. —

Fluka-Guarantee:

Assay	>98.0%	Calcium (Ca)	<0.01 %
Copper (Cu)	<0.01%	Nickel (Ni)	<0.005%
Lead (Pb)	<0.02%	Cobalt (Co)	<0.005%
Iron (Fe)	<1.5 %	Manganese (Mn)	<0.005%
Zinc (Zn)	<0.01%		



Chromium (Coating quality BALZERS)

27062 99.5%; Mesh size 0.7-3.5 mm 100 g 40. — 500 g 165. —
27064 99.9%; 1.5-3.5 mm, Flakes 100 g 60. — 500 g 210. —
27065 99.9%; 0.7-1.5 mm, Flakes 100 g 60. — 500 g 210. —
27066 99.99%; Mesh size 0.7-3.5 mm 100 g 90. — 500 g 320. —

27071 Chromium acetylacetonate pract. ~97%(UV); M.P. 212-216°
Cr(C₅H₇O₂)₃ C₁₅H₂₁CrO₆ M_r 349.33 [21679-31-2]

100 g 22. —

27094 Chromium(III) chloride anhydrous purum
CrCl₃ Cl₃Cr M_r 158.36 [10025-73-7]

25 g 31. — 100 g 115. —

27096 Chromium(III) chloride purum M.P. 80-83°
8/12 CrCl₃·6H₂O Cl₃Cr·6H₂O M_r 266.45 [10060-12-5]

500 g 13. — 1 kg 25. —

27091 Chromium hexacarbonyl purum >98%(Cr)
Cr(CO)₆ C₆CrO₆ M_r 220.06 [13007-92-6]

5 g 20. — 25 g 85. —

27080 Chromium(III) nitrate purum p.a.
5.1/7 Cr(NO₃)₃·9H₂O CrN₃O₉·9H₂O M_r 400.15 [7789-02-9]

250 g 8. — 1 kg 20. —

Fluka-Guarantee:

Assay	>98.0%	Copper (Cu)	<0.005%
pH (5% solution in water 20°C)	2.3-3.0	Lead (Pb)	<0.005%
Chloride (Cl)	<0.01%	Iron (Fe)	<0.02 %
		Zinc (Zn)	<0.005%



Chromium(VI) oxide

5.1/10 CrO₃ M_r 99.99 [1333-82-0]

27083 purum p.a. DAB 500 g 13. — 1 kg 25. —

Fluka-Guarantee:

Assay	>98.0 %	Lead (Pb)	<0.01 %
Chloride (Cl)	<0.005%	Iron (Fe)	<0.005%
Copper (Cu)	<0.005%	Zinc (Zn)	<0.005%



27084 purum ~98%(T); in flakes 1 kg 18. — 5 kg 75. —

27185 Chromium sulfate basic purum p.a.
Cr₄(SO₄)₅(OH)₂ Cr₄H₂O₂₂S₆ M_r 722.32

500 g 8. — 1 kg 14. —

Fluka-Guarantee:

Assay (as Cr ₂ O ₃)	>26.0 %	Lead (Pb)	<0.005%
pH (5% solution in water, 20°C)	1.5-2.5	Iron (Fe)	<0.02 %
Chloride (Cl)	<0.02 %	Zinc (Zn)	<0.005%
Copper (Cu)	<0.005%	Calcium (Ca)	<0.02 %



		sFr.	sFr.
	Chromium m-toluidine tricarbonyl see 89645 m-Toluidine chromium tricarbonyl		
	Chromium(II) tolyl tricarbonyl see 89685 Toluene chromium tricarbonyl		
27125	Chromone purum M.P. 55-57° (1-Benzopyran-4-one) $C_9H_6O_2$ M_r 146.15 [491-38-3]	25 g 26. —	100 g 95. —
	Chromium(II) p-xylyl tricarbonyl see 95695 p-Xylene chromium tricarbonyl		
	Chromosorb® Chromatographic supports made from diatomite; ® Trade Mark of the Johns-Manville Co., Denver Co. Chromosorb G is developed for the separation of polar compounds. Because of its low surface area and higher density it is employed with a lower liquid phase coating. A 5% coating on Chromosorb G corresponds to 12% liquid coating on Chromosorb W		
27115	Chromosorb G/AW-DMCS 80-100 mesh ASTM; acid washed and treated with Dimethyldichlorosilane	50 g 75. —	
27116	Chromosorb G/AW-DMCS 60-80 mesh ASTM; acid washed and treated with Dimethyldichlorosilane	50 g 60. —	
27117	Chromosorb G/HP-AW-DMCS 100-120 mesh ASTM; acid washed and treated with Dimethyldichlorosilane (H. P. Grade has been developed for use with steroids, bile acids, alkaloids, and for other analysis of pharmaceuticals, medical and toxicological compounds. Chromosorb H.P. is a high quality, carefully acid washed and silanized, flux-calcinated diatomite. Superior inertness and column efficiency, no catalytic surface activity and short column conditioning time.)	50 g 145. —	
27118	Chromosorb G/HP AW-DMCS 80-100 mesh; acid washed and treated with Dimethyldichlorosilane	50 g 145. —	
	Chromosorb W is a flux-calcinated diatomite support white in colour and friable compared to Chromosorb G. Its surface is relatively nonadsorptive and it is used for the separation of polar compounds.		
27119	Chromosorb W/AW 100-120 mesh ASTM; acid washed	50 g 67. —	
27120	Chromosorb W/AW 80-100 mesh ASTM; acid washed	50 g 67. —	
27121	Chromosorb W/AW 60-80 mesh ASTM; acid washed	50 g 60. —	
27122	Chromosorb W/AW-DMCS 100-120 mesh ASTM; acid washed and treated with Dimethyldichlorosilane	50 g 75. —	
27123	Chromosorb W/AW-DMCS 80-100 mesh ASTM; acid washed and treated with Dimethyldichlorosilane	50 g 75. —	
27124	Chromosorb W/AW-DMCS 60-80 mesh ASTM; acid washed and treated with Dimethyldichlorosilane	50 g 75. —	
27126	Chromosorb W/HP AW-DMCS 100-120 mesh ASTM (High Performance quality); acid washed and treated with Dimethyldichlorosilane	50 g 135. —	
27127	Chromosorb W/HP AW-DMCS 80-100 mesh ASTM (High Performance quality); acid washed and treated with Dimethyldichlorosilane	50 g 135. —	
27128	Chromosorb T 40-60 mesh ASTM	50 g 75. —	
	Chromotrop 2 B [C.I. Nr. 16575; Sch. Nr. 67] [2-(4-Nitrophenylazo)chromotropic acid Disodium salt] $4-NO_2C_6H_4N:N-2-C_{10}H_3-1,8-(OH)_2-3,6-(SO_3Na)_2$ $C_{16}H_9N_3Na_2O_{10}S_2$ M_r 513.37 [548-80-1]		
27130	p.a.	50 g 26. —	
	Chromotrop 8 B see 85470 SNADNS		
	Chromotrop 2 R [C.I. Nr. 16570; Sch. Nr. 44] [2-(Phenylazo)chromotropic acid Disodium salt] $C_6H_5N:N-2-C_{10}H_3-1,8-(OH)_2-3,6-(SO_3Na)_2$ $C_{16}H_{10}N_2Na_2O_8S_2$ M_r 468.39 [4197-07-3]		
27140	Standard Fluka for Microscopy (Hist.); Indicator for Complexometry	10 g 15. —	50 g 63. — 250 g 265. —
	Chromotropic acid Disodium salt Dihydrate (1,8-Dihydroxynaphthalene-3,6-disulfonic acid Disodium salt) $(HO)_2C_{10}H_4(SO_3Na)_2 \cdot 2H_2O$ $C_{10}H_6Na_2O_8S_2 \cdot 2H_2O$ M_r 400.29 [129-96-4]		
27150	puriss. p.a. ~99% (T); Determination Cr, Ti; Analysis: Ag, ClO_3^- , Cr, Hg, NO_3^- , NO_2^- , Ti	10 g 7. —	50 g 16. — 250 g 67. —
27160	techn. ~90%		250 g 31. —
	Chromyl chloride 8/11a CrO_2Cl_2 Cl_2CrO_2 M_r 154.90 [14977-61-8]		
27169	pract.; "Oxidation of olefins in acetone to α -chloroketones": K. B. Scarplless, A. Y. Teranishi, J. Org. Chem. 38, 185 (1973)	1 lt ~ 1.91 kg	Ampoules of 25 ml 46. —
27171	pract.	1 lt ~ 1.91 kg	Ampoules of 100 ml 160. —

			sFr.	sFr.
	Chrysotropic acid see 84792 Scopoletin			
	Chrysazin see 37500 1,8-Dihydroxyanthraquinone			
	Chrysoidine G [C.I. Nr. 11270; Sch. Nr. 27] (Chrysoidine Y) C ₈ H ₆ N:NC ₆ H ₃ -2-NH ₂ -4-NH ₂ .HCl C ₁₂ H ₁₂ N ₄ .HCl M _r 248.72 [532-82-1]			
27240	Standard Fluka for Microscopy (Bact., Bot., Vit.)		100 g 18.—	500 g 75.—
	Chrysoidine Y see 27240 Chrysoidine G			
	Chrysoin see 93520 Tropaeolin O			
	Chrysophanic acid (Chrysophanol; 1,8-Dihydroxy-3-methylantraquinone) C ₁₈ H ₁₀ O ₄ M _r 254.24 [481-74-3]			
27260	puriss. synth.		100 mg 13.—	1 g 105.—
	α-Chymotrypsin (EC 3.4.21.1) M _r ~21600 [9004-07-3]			
27270	puriss. from 3 × cryst. α-Chymotrypsin; lyophilized; salt free >1200 NF-U/mg (1 NF-U ≈ 7.5 ATEE-U); store in refrigerator		100 mg 10.—	1 g 45.—
	Chymotrypsin A-Chromophorsubstrate for Quant. determ. of Chymotrypsin A) Substrate: 4-Phenylazo-Z-L-prolyl-L-phenylalanyl-glycyl-D-arginine Dihydrate puriss. p.a. C ₃₆ H ₄₃ N ₉ O ₇ ·2H ₂ O M _r 749.83 B) Test substance: 4-Phenylazo-Z-L-prolyl-L-phenylalanine puriss. p.a. C ₂₈ H ₂₈ N ₄ O ₅ M _r 500.56 Lit.: Erich Wünsch, Agnes Högel-Betz and Ernst Jäger, Hoppe-Seyler's Z. Physiol. Chemie 352, 1553-1559 (1971)			
27303	Comp. A; store in refrigerator		1 g 400.—	
27304	Comp. B; store in refrigerator		1 g 200.—	
27305	Set of 100 mg A + 25 mg B		65.—	
	Cichorigenin see 02330 Esculetin			
	Cinchonidine 6.1/81e C ₁₉ H ₂₂ N ₂ O M _r 294.40 [485-71-2]			
27350	purum >99% (UV); M.P. 201-204°; [α] ₅₄₆ ²⁰ -128.5±2°; [α] _D ²⁰ -106.5±2° (c = 5 in Ethanol); containing ~1% Quinine; Ash <0.1%		25 g 17.—	100 g 60.—
27360	Cinchonidine sulfate techn. [α] ₅₄₆ ²⁰ -120±10° (c = 0.5 in water) 6.1/81e (C ₁₉ H ₂₂ N ₂ O) ₂ ·H ₂ SO ₄ ·3H ₂ O M _r 740.92 [5949-16-6]		100 g 25.—	
	Cinchonine 6.1/81e C ₁₉ H ₂₂ N ₂ O M _r 294.40 [118-10-5]			
27370	purum cryst. ~99% (NT); M.P. 260-263°; [α] ₅₄₆ ²⁰ +268±3°; [α] _D ²⁰ +225±3° (c = 0.5 in Ethanol)		25 g 14.—	100 g 50.—
	Cinsole see 46090 Eucalyptol			
	Cinnamaldehyde (trans-3-Phenyl-2-propenal) C ₆ H ₅ CH:CHCHO C ₉ H ₈ O M _r 132.16 [104-55-2]			
96320	purum chlorine free; >98% (GC); M.P. -9--7°; B.P. ₁₁ 125-128°; d ₄ ²⁰ 1.050; n _D ²⁰ 1.625; Cinnamic acid <1%	1 lt ≈ 1.05 kg	250 ml 10.—	1 lt 35.—
	Cinnamic acid (trans-3-Phenylacrylic acid) C ₆ H ₅ CH:CHCOOH C ₉ H ₈ O ₂ M _r 148.16 [621-82-9]			
96340	puriss. >99(T); M.P. 133-134°; Ash <0.05%; 1 g clearly soluble in 10 ml Methanol		250 g 17.—	1 kg 60.—
96360	Cinnamic anhydride purum M.P. 134-136° (C ₆ H ₅ CH:CHCO) ₂ O C ₁₈ H ₁₄ O ₃ M _r 278.31 [538-56-7]		10 g 18.—	50 g 75.—
	Cinnamionitrile (trans-3-Phenylacrylonitrile) 6.1/21 C ₆ H ₅ CH:CHCN C ₉ H ₇ N M _r 129.16 [1885-38-7]			
96420	purum >97% (GC); M.P. 17-20°; d ₄ ²⁰ 1.028; n _D ²⁰ 1.601	1 lt ≈ 1.03 kg	10 ml 12.—	50 ml 50.—
96390	Cinnamoyl chloride purum >98% (Cl); M.P. 34-36°; 1 g clearly soluble in 10 ml Dioxane 8/12 C ₆ H ₅ CH:CHCOCl C ₉ H ₇ ClO M _r 166.61 [102-92-1]		100 g 16.—	500 g 67.—
96330	Cinnamyl alcohol purum >97% (GC); M.P. 31-33° (3-Phenyl-2-propen-1-ol) C ₆ H ₅ CH:CHCH ₂ OH C ₉ H ₁₀ O M _r 134.18 [104-54-1]		100 g 8.—	500 g 29.—
	Cinnamyl bromide see 18080 3-Bromo-1-phenyl-1-propene			

			sFr.	sFr.
27420	Citraconic acid purum >99% (T); M.P. 91-95°; Ash <0.1% (Methylmaleic acid) $\text{HOOC}(\text{CH}_3):\text{CHCOOH}$ $\text{C}_5\text{H}_6\text{O}_4$ M_r 130.10 [498-23-7]		100 g 20.—	500 g 85.—
	Citraconic anhydride $\text{COC}(\text{CH}_3):\text{CHCOO}$ $\text{C}_5\text{H}_4\text{O}_3$ M_r 112.09 [616-02-4]			
27429	puriss. biochim. M.P. 7-9°; B.P. _{0.03} 47°; d_4^{20} 1.245; n_D^{20} 1.472; for the reversible blocking of amino groups (e.g. lysine-side chain): H. B. F. Dixon and R. N. Perham, <i>Biochem. J.</i> 109, 312 (1968); Y. Edwards and I. Gibbons, <i>FEBS-Lett.</i> 28, 221 (1972)	1 lt ≈ 1.24 kg	25 ml 16.—	100 ml 55.—
27430	purum ~99% (T); M.P. 6-9°; d_4^{20} 1.245; n_D^{20} 1.472	1 lt ≈ 1.24 kg	25 ml 10.—	100 ml 35.—
27440	pract. ~98% (T); M.P. 6-10°; d_4^{20} 1.24; n_D^{20} 1.471; Acid <2%	1 lt ≈ 1.24 kg	100 ml 18.—	500 ml 75.—
	Citral (cis + trans) (3,7-Dimethyl-2,6-octadienal) 3/4; 95° $(\text{CH}_3)_2\text{C}:\text{CHCH}_2\text{CH}_2\text{C}(\text{CH}_3):\text{CHCHO}$ $\text{C}_{10}\text{H}_{16}\text{O}$ M_r 152.24 [5392-40-5]			
27450	purum ~96% (GC); B.P. 229° (Lit.); d_4^{20} 0.888; n_D^{20} 1.487	1 lt ≈ 0.89 kg	100 ml 18.—	500 ml 75.—
	(±)-Citramalic acid Dipotassium salt (2-Hydroxy-2-methylsuccinic acid Dipotassium salt; 2-Methylmalic acid Dipotassium salt) $\text{KOOCCH}_2\text{C}(\text{OH})(\text{CH}_3)\text{COOK}$ $\text{C}_5\text{H}_6\text{K}_2\text{O}_5$ M_r 224.30 [2306-22-1] (free acid)			
27455	purum >97% (NT)		1 g 20.—	5 g 85.—
27460	Citrazinic acid pract. ~98%; Ash <0.1% (2,6-Dihydroxypyridine-4-carboxylic acid) $\text{N}:\text{C}(\text{OH})\text{CH}:\text{C}(\text{COOH})\text{CH}:\text{COH}$ $\text{C}_5\text{H}_5\text{NO}_4$ M_r 155.11 [99-11-6]		100 g 22.—	500 g 90.—
27488	Citric acid anhydrous puriss. p.a. $\text{HOC}(\text{COOH})(\text{CH}_2\text{COOH})_2$ $\text{C}_6\text{H}_8\text{O}_7$ M_r 192.43 [77-92-9] Fluka-Guarantee: Assay >99.5 % Chromium (Cr) <0.0005% Chloride (Cl) <0.0005% Zinc (Zn) <0.0005% Sulfate (SO_4) <0.0005% Nickel (Ni) <0.0005% Copper (Cu) <0.0005% Calcium (Ca) <0.0005% Lead (Pb) <0.0005% Residue on ignition Iron (Fe) <0.0005% (as SO_4) <0.05 %		250 g 8.—	1 kg 20.—
	Citric acid isopropylester see 27495 mono-Isopropyl citrate			
	Citric acid Monohydrate $\text{HOC}(\text{COOH})(\text{CH}_2\text{COOH})_2 \cdot \text{H}_2\text{O}$ $\text{C}_6\text{H}_8\text{O}_7 \cdot \text{H}_2\text{O}$ M_r 210.14 [5949-29-1]			
27490	puriss. p.a. Ph. Helv.; fine cryst. >99% (T); Ash <0.05%	500 g 9.—	1 kg 16.—	5 kg 67.—
	Citric acid salts: Ammonium ferric salt see 09713 and 09714 Ammonium ferric citrate, green and brown Calcium salt see 21120 tri-Calcium dicitrate Diammonium salt see 09834 di-Ammonium hydrogen citrate Disodium salt see 71635 di-Sodium hydrogen citrate Ferric salt see 44941 Ferric citrate Lead salt see 15326 tri-Lead(II) dicitrate Magnesium salt see 63067 tri-Magnesium dicitrate Potassium salt see 60215 Potassium dihydrogen citrate Sodium salt see 71498 Sodium dihydrogen citrate Trilithium salt see 62485 tri-Lithium citrate Tripotassium salt see 60153 tri-Potassium citrate Trisodium salt see 71405 tri-Sodium citrate			
	(+)-Citronellal [(R)-3,7-Dimethyl-6-octenal] 3/4; 73° $(\text{CH}_3)_2\text{C}:\text{CHCH}_2\text{CH}_2\text{CH}(\text{CH}_3)\text{CH}_2\text{CHO}$ $\text{C}_{10}\text{H}_{18}\text{O}$ M_r 154.25 [106-23-0]			
27470	techn. 85-90% (GC); B.P. ₁₁ 83-85°; d_4^{20} 0.856; n_D^{20} 1.449; $[\alpha]_D^{20} + 14 \pm 1^\circ$; $[\alpha]_D^{20} + 13 \pm 1^\circ$	1 lt ≈ 0.86 kg	100 ml 28.—	500 ml 120.—
	(+)-β-Citronellene [(S)-3,7-Dimethyl-1,6-octadiene] $(\text{CH}_3)_2\text{C}:\text{CHCH}_2\text{CH}_2\text{CH}(\text{CH}_3)\text{CH}:\text{CH}_2$ $\text{C}_{10}\text{H}_{18}$ M_r 138.26 [2436-90-0]			
27475	puriss. >99% (GC); B.P. 154-155°; d_4^{20} 0.757; n_D^{20} 1.437	1 lt ≈ 0.76 kg	5 ml 18.—	25 ml 75.—
	(±)-β-Citronellol (3,7-Dimethyl-6-octen-1-ol) 3/4; 99° $(\text{CH}_3)_2\text{C}:\text{CHCH}_2\text{CH}_2\text{CH}(\text{CH}_3)\text{CH}_2\text{CH}_2\text{OH}$ $\text{C}_{10}\text{H}_{20}\text{O}$ M_r 156.27 [106-22-9]			
27480	pract. 90-95% (GC); B.P. ₁₀ 99° (Lit.); d_4^{20} 0.859; n_D^{20} 1.458	1 lt ≈ 0.86 kg	100 ml 18.—	500 ml 75.—



					sFr.	sFr.
	S(-)-β-Citronellol [(S)-3,7-Dimethyl-6-octen-1-ol]					
	3/4; 99°	(CH ₃) ₂ C:CHCH ₂ CH ₂ CH(CH ₃)CH ₂ CH ₂ OH C ₁₀ H ₂₀ O M _r 156.27 [7540-51-4]				
27483	purum ~98% (GC); B.P. 223-224°; d ₄ ²⁰ 0.854; n _D ²⁰ 1.456; [α] _D ²⁰ -5.56±0.2°; [α] _D ²⁰ -4.6±0.2°				1 lt ≈ 0.85 kg	10 ml 35. —
	L-Citrulline (2-Amino-5-ureidopentanoic acid)					
		NH ₂ CONH(CH ₂) ₃ CH(NH ₂)COOH C ₆ H ₁₃ N ₃ O ₃ M _r 175.19 [372-75-8]				
27510	puriss. >99% (NT); M.P. 216-218° dec.; [α] _D ²⁰ +26.5±1°; [α] _D ²⁰ +22.0±1° (c = 2 in 1n HCl); Ash <0.05%				10 g 13. —	50 g 40. —
27520	DL-Citrulline puriss. >99% (NT); M.P. 242-244° dec. NH ₂ CONH(CH ₂) ₃ CH(NH ₂)COOH C ₆ H ₁₃ N ₃ O ₃ M _r 175.19 [627-77-0]				1 g 10. —	5 g 42. —
27540	Clara Diastase Ash 2-4%; store in refrigerator ("Clarase 300")				50 g 20. —	250 g 85. —
	Cleland Reagent DTE see 43796 1,4-Dithioerythritol					
	Cleland Reagent DTT see 43819 1,4-Dithio-DL-threitol					
	Cleland Reagent chiral see 43818 (-)-1,4-Dithio-L-threitol					
	Cleves acid-1,7 see 70820 1-Naphthylamine-7-sulfonic acid					
	Clofibrate see 25895 Ethyl 2-(4-chlorophenoxy)-2-methylpropionate					
	Clove oil see 72075 Oil of cloves					
	3'(+2')-CMP see 30330 Cytidylic acid					
	5'-CMP see 30300 Cytidine-5'-monophosphoric acid					
	3'(+2')-CMP-Na₂ see 30340 Cytidylic acid di-Sodium salt					
	CoA see 27590 Coenzyme A					
60782	Cobalt (Coating quality BALZERS) 99.99%; Tablets				10 g 60. —	100 g 420. —
	Cobalt					
	Co A _r 58.93 [7740-48-4]					
60784	puriss. p.a. powder				25 g 13. —	100 g 45. —
	Fluka-Guarantee:					
	Assay	>99.8 %	Zinc (Zn)	<0.005%		
	Copper (Cu)	<0.005%	Nickel (Ni)	<0.05 %		
	Lead (Pb)	<0.005%	Manganese (Mn)	<0.005%		
	Iron (Fe)	<0.05 %				
60783	puriss. p.a. granulated				50 g 20. —	250 g 88. —
	Fluka-Guarantee:					
	Assay	>99.5 %	Zinc (Zn)	<0.01%		
	Copper (Cu)	<0.02 %	Nickel (Ni)	<0.15%		
	Lead (Pb)	<0.005%	Manganese (Mn)	<0.02%		
	Iron (Fe)	<0.15 %				
	Cobalt Ion Standard Solution FLUKA					
60785	1.000 g Cobalt/Liter/20°C; prepared from Co(NO ₃) ₂ ; pH 1.5 adjusted with HNO ₃				1 lt ≈ 1.00 kg	500 ml 18. —
60810	Cobalt-Aluminum alloy purum powder 50% Co [10210-68-1]				100 g 20. —	
60811	Cobalt carbonyl purum >98% (Co); store in refrigerator Co ₂ (CO) ₈ C ₅ Co ₂ O ₈ M _r 341.95 [10210-68-1]				5 g 18. —	25 g 75. —
	Cobalt naphthenate (Naphthenic acid Cobalt salt)					
60830	pract. ~8% Co; d ₄ ²⁰ 0.95				1 lt ≈ 0.95 kg	250 ml 9. — 1 lt 30. —
60847	Cobalt(II,III) oxide purum p.a. Co ₃ O ₄ M _r 240.80 [1307-96-6]				100 g 35. —	250 g 75. —
	Fluka-Guarantee:					
	Assay (as Co)	71.0 %	Iron (Fe)	<0.005%		
	Copper (Cu)	<0.005%	Zinc (Zn)	<0.005%		
	Lead (Pb)	<0.005%				
60802	Cobaltic acetylacetonate purum >97% (UV) Co(C ₈ H ₇ O ₂) ₃ C ₁₈ H ₂₁ CoO ₆ M _r 356.26 [21679-46-9]				25 g 14. —	100 g 50. —
	Cobaltic fluoride					
8/15	CoF ₃ M _r 115.93 [10026-18-3]				10 g 13. —	50 g 55. —
60838	purum; Fluorinating agent: R.W. Rendell, B. Wright, Tetrahedron 34, 197 (1978)					



				sFr.	sFr.
60790	Cobaltous acetate purum p.a. cryst.; 23-24% Co (CH ₃ COO) ₂ Co.4H ₂ O C ₄ H ₆ CoO ₄ .4H ₂ O M _r 249.09 [71-48-7]			100 g 18.—	500 g 75.—
	Fluka-Guarantee:				
	Assay	>98.0 %	Copper (Cu)	<0.005%	
	pH (5% solution in water 20°C)	6.0-8.0	Lead (Pb)	<0.005%	
	Chloride (Cl)	<0.005%	Iron (Fe)	<0.005%	
	Sulfate (SO ₄)	<0.005%	Zinc (Zn)	<0.005%	
60801	Cobaltous acetylacetonate purum >97%(UV) Co(C ₅ H ₇ O ₂) ₂ C ₁₀ H ₁₄ CoO ₄ M _r 257.16 [14024-48-7]			25 g 14.—	100 g 50.—
60813	Cobaltous carbonate basic purum p.a. 6.1/81h CoCO ₃ .[Co(OH) ₂] _n .aq			100 g 55.—	500 g 230.—
	Fluka-Guarantee:				
	Assay (as Co)	44-47%	Lead (Pb)	<0.005%	
	Chloride (Cl)	<0.01 %	Iron (Fe)	<0.01 %	
	Sulfate (SO ₄)	<0.01 %	Zinc (Zn)	<0.02 %	
	Copper (Cu)	<0.005%	Calcium (Ca)	<0.01 %	
60818	Cobaltous chloride anhydrous purum p.a. CoCl ₂ Cl ₂ Co M _r 129.84 [7646-79-9]			50 g 42.—	250 g 175.—
	Fluka-Guarantee:				
	Assay	>98.0 %	Iron (Fe)	<0.01 %	
	Sulfate (SO ₄)	<0.005%	Zinc (Zn)	<0.005%	
	Copper (Cu)	<0.005%	Calcium (Ca)	<0.005%	
	Lead (Pb)	<0.005%			
60820	Cobaltous chloride Hexahydrate purum p.a. cryst. CoCl ₂ .6H ₂ O Cl ₂ Co.6H ₂ O M _r 237.93 [7791-13-1]			250 g 24.—	1 kg 90.—
	Fluka-Guarantee:				
	Assay	>98.0 %	Iron (Fe)	<0.005%	
	Copper (Cu)	<0.005%	Zinc (Zn)	<0.005%	
	Lead (Pb)	<0.005%			
60834	Cobaltous fluoride purum CoF ₂ M _r 96.93 [10026-17-2]			10 g 11.—	50 g 46.—
60833	Cobaltous nitrate purum p.a. 6.1/81f Co(NO ₃) ₂ .6H ₂ O CoN ₂ O ₆ .6H ₂ O M _r 291.03 [10026-22-9]			250 g 26.—	1 kg 95.—
	Fluka-Guarantee:				
	Assay	>98.0 %	Lead (Pb)	<0.005%	
	Chloride (Cl)	<0.005%	Iron (Fe)	<0.005%	
	Sulfate (SO ₄)	<0.005%	Zinc (Zn)	<0.005%	
	Copper (Cu)	<0.005%	Calcium (Ca)	<0.005%	
60850	Cobaltous perchlorate purum p.a. cryst. 5.1/4b Co(ClO ₄) ₂ .6H ₂ O Cl ₂ CoO ₈ .6H ₂ O M _r 365.93 [13478-33-6]			100 g 40.—	
	Fluka-Guarantee:				
	Assay	>98.0 %	Lead (Pb)	<0.005%	
	Chloride (Cl)	<0.005%	Iron (Fe)	<0.005%	
	Sulfate (SO ₄)	<0.005%	Zinc (Zn)	<0.005%	
	Copper (Cu)	<0.005%	Calcium (Ca)	<0.05 %	
60860	Cobaltous sulfate Heptahydrate purum >98%(T) CoSO ₄ .7H ₂ O CoO ₄ S.7H ₂ O M _r 281.10 [10026-24-1]			250 g 24.—	1 kg 90.—
	Coccarboxylase [Aneurine monophosphate chloride; Thiamine-(ortho)phosphoric acid ester chloride] C ₁₂ H ₁₈ CIN ₄ O ₄ PS.2H ₂ O M _r 416.82 [532-40-1]				
88340	purum >98%(Cl); M.P. ~195° dec.			10 g 13.—	50 g 55.—
	Coccarboxylase Tetrahydrate (Aneurinepyrophosphoric acid; Thiaminepyrophosphoric acid) C ₁₂ H ₁₈ N ₄ O ₇ P ₂ S.4H ₂ O M _r 496.37 [136-09-4]				
27580	purum >98% (enzymatic determination); store in refrigerator			1 g 7.—	5 g 20.—
	Cocculin see 80410 Picrotoxin				
	Codecarboxylase see 82870 Pyridoxal-5'-phosphate				
27590	Coenzyme A purum; store in refrigerator C ₂₁ H ₃₈ N ₇ O ₁₆ P ₃ S M _r 767.54 [85-61-0]			10 mg 25.—	50 mg 105.—
27593	Coenzyme A Disodium salt purum C ₂₁ H ₃₄ N ₇ Na ₂ O ₁₆ P ₃ S M _r 811.51 [55672-92-9]			10 mg 18.—	50 mg 75.—

		sFr.	sFr.
27594	Coenzyme A Trilithium salt purum $C_{21}H_{33}Li_3N_7O_{16}P_3S \cdot 2H_2O$ M_r 819.37 [18439-24-2]	10 mg 22. —	
27591	Coenzyme B12 purum; store in refrigerator $C_{72}H_{106}CoN_{18}O_{17}P$ M_r 1579.57 [13870-90-1]	250 mg 50. —	
27595	Coenzyme Q₁₀ (Ubiquinone-50) $C_{59}H_{90}O_4$ M_r 863.37 [303-98-0]	10 mg 22. —	50 mg 90. —
	Coenzyme I see 43410 β -Nicotinamide adenine dinucleotide, β -NAD		
	Coenzyme I reduced form see 43420 β -Nicotinamide adenine dinucleotide red. Disodium salt		
	Coenzyme II see 93210 Triphosphopyridinenucleotide Sodium salt		
	Coenzyme II red. see 93220 Triphosphopyridinenucleotide reduced Tetrasodium salt		
	Coenzyme M see 63705 Sodium 2-mercaptoethanesulfonate		

Coenzymes see "Coenzymes, Vitamins and Related Compounds" green section

	Colaminephosphoric acid see 27640 O-Phosphocolamine		
27645	Colcemide® for diagnostic use (Demecolcine) ® Registered trademark of CIBA-GEIGY AG, Basel	25 mg 100. —	
	Colchicine 6.1/81e $C_{22}H_{25}NO_6$ M_r 399.45 [64-86-8] purum $\sim 97\%$ (UV); M.P. 147-150° dec.; $[\alpha]_{546}^{20} - 570 \pm 10^\circ$; $[\alpha]_D^{20} - 430 \pm 10^\circ$ (c = 1 in water)	250 mg 10. —	1 g 35. — 5 g 145. —
27660	Colchicoside purum cryst.; M.P. 194-200° (Colchicum glucoside colchicoside) $C_{27}H_{33}NO_{11}$ M_r 547.56 [477-29-2]	1 g 60. —	
27665	Collagenase (E.C. Nr. 3.4.24.3) 200 U/mg; store in refrigerator [9001-12-1]	100 mg 60. —	1 g 480. —
	Collagenase-Substrate for quantitative Collagenase-Determination Literature: W. Grassmann, A. Nording, Z. physiol. Chem. 322, 267 (1960); Y. Nagai et al., Biochem. Biophys. Acta 37, 567 (1960); store in refrigerator A) Substrate: Z-glycyl-L-prolyl-glycyl-glycyl-L-prolyl-L-alanine puriss. CHR B) Test substance: Glycyl-L-prolyl-L-alanine puriss. CHR		
27673	Comp. A	1 g 480. —	
27674	Comp. B	1 g 225. —	
27670	Set of 100 mg A + 50 mg B	75. —	
27672	Set of 1 g A + 500 mg B	600. —	
	Collagenase-Chromophorsubstrate for quantitative Collagenase-Determination A) Substrate: 4-Phenylazo-benzyloxycarbonyl-L-prolyl-L-leucyl-glycyl-L-prolyl-D- arginine Dihydrate puriss. CHR; $C_{30}H_{52}N_{10}O_8 \cdot 2H_2O$ M_r 812.93 B) Test substance: 4-Phenylazo-benzyloxycarbonyl-L-prolyl-L-leucine puriss. CHR; $C_{25}H_{30}N_4O_5$ M_r 466.54 E. Wünsch and H.-G. Heidrich, Hoppe-Seyler's Zeitschrift für physiol. Chemie 332, 300 (1963); ibid., 333, 149 (1963); store in refrigerator		
27667	Comp. A	1 g 400. —	
27668	Comp. B	1 g 200. —	
27669	Set of 100 mg A + 50 mg B	65. —	
27671	Set of 1 g A + 500 mg B	520. —	

	sym.-Collidine (2,4,6-Trimethylpyridine) 3/3; 54° $N:C(CH_3)CH:C(CH_3)CH:CCH_3$ $C_8H_{11}N$ M_r 121.18 [108-75-8] puriss. p.a. B.P. 170-175°; d_4^{20} 0.914; n_D^{20} 1.498	1 lt $\approx$ 0.91 kg	100 ml 22. —	500 ml 90. —
27690	Fluka-Guarantee: Assay (GC) >99.0 % Water (H ₂ O) <0.1 % Residue on evaporation <0.06 % Iron (Fe) <0.00005% Cobalt (Co) <0.00001% Nickel (Ni) <0.00001% Copper (Cu) <0.00001% Lead (Pb) <0.00001% Cadmium (Cd) <0.00001% Zinc (Zn) <0.00001%			
27701	techn.	1 lt $\approx$ 0.91 kg	100 ml 8. —	500 ml 29. —



			sFr.	sFr.
27703	2,3,6-Collidine purum >98% (GC); B.P. 170-174°; d_4^{20} 0.926 3/3; 54° $N:C(CH_3)CH:CHC(CH_3):CCH_3$ $C_8H_{11}N$ M_r 121.18 [1462-84-6]	1 lt $\approx$ 0.93 kg	10 ml 25.—	50 ml 105.—
	Colman Reagent see 72005 di-Sodiumtetracarbonylferrate Dioxane complex			
60895	Colophony 1 g clearly soluble in 10 ml Chloroform; Iodine value $\sim$ 150		1 kg 8.—	5 kg 26.—
	Columbium see 72500 Niobium			
	Compendium of Phase-Transfer Reactions and Related Synthetic Methods			
99268	Comprehensive register of syntheses by phase-transfer catalysis ion-pair extraction and by reactions of quaternary ammonium salts in a homogeneous phase of non-aqueous solvents by W. E. Keller		booklet 18.—	
	Concanavalin A, Con A see 61760 Lectine from Canavalia Enisformis			
	Congo Red [C.I. Nr. 22120; Sch. Nr. 360] (1-NH ₂ C ₁₀ H ₅ -4-SO ₃ Na-2-N:N-C ₆ H ₄ -4-)- ₂ $C_{22}H_{22}N_6Na_2O_6S_2$ M_r 696.68 [573-58-0]			
60900	puriss. for Microscopy (Vit.)		10 g 8.—	50 g 29.—
60910	Standard Fluka Indicator pH 3.0-5.2; for Microscopy (Bact., Bot., Hist.)		100 g 8.—	500 g 29.—
	Coniferyl alcohol [3-(4-Hydroxy-3-methoxyphenyl)-2-propen-1-ol] $HOC_6H_3(OCH_3)CH:CHCH_2OH$ $C_{10}H_{12}O_3$ M_r 180.21 [458-35-5]			
27740	purum >98% (NT); M.P. 73-75°; store in refrigerator		100 mg 30.—	1 g 240.—
27760	(±)-Coniine purum B.P. ₁₀ 50-52° [(±)-2-Propylpiperidine] 6.1/81e $NH(CH_2)_4CHCH_2CH_2CH_3$ $C_8H_{17}N$ M_r 127.23 [3238-60-6]		1 g 25.—	5 g 105.—
	Convertit see 57629 Invertase			
	Coomassie® Brilliant Blue G 250 [C.I. Nr. 42655] [6104-58-1]			
27815	Standard Fluka; Protein stain for gel electrophoresis, does not penetrate the gel and is 3 times more sensitive than Naphthol Blue Black B: W. J. Saphonov, Methods in Enzymology, Vol. XI, 184 (1967). No precipitate formation, good solubility in 7% acetic acid, the colour does not fade during light exposure. W. Diezel et al., Anal. Biochem. 48, 617 (1972), "procedure to increase the sensitivity of staining"; I. B. Holbrook et al., Anal. Biochem. 75, 634 (1976). Rapid, sensitive and versatile assay for proteins; free amino acids and several chemicals that interfere with the lowry procedure cause no interference. J. J. Sedmak and S. E. Grossberg, Anal. Biochem. 79, 544 (1977)		25 g 10.—	100 g 32.—
	Coomassie® Brilliant Blue R 250 [C.I. Nr. 42660] [6104-59-2]			
27816	Standard Fluka; Protein stain for gel electrophoresis; 5 to 10 times more sensitive than Naphthol Blue Black B and Bromophenol (as little as 0.5 μ g/cm ² of protein could be detected in a gel matrix); F. S. Groth et al., Biochim. Biophys. Acta 71, 377 (1963); A. Chrambach et al., Anal. Biochem. 20, 150 (1967)		25 g 10.—	100 g 32.—
	Coomassie® Violet R 150 [C.I. Nr. 42650] [4129-84-8]			
27818	Standard Fluka; contains $\sim$ 25% Na ₂ SO ₄		25 g 10.—	100 g 32.—
	Coomassie® Violet R 200 [C.I. Nr. 42650] [4129-84-4]			
27817	Standard Fluka; Protein stain for gel electrophoresis; used for a rapid detection procedure without removing the carrier ampholytes: B. J. Radola, Ann. N.Y. Acad. Sci. 209, 127 (1973); R. Frater, J. Chromatogr. 50, 496 (1971); B. J. Radola, Biochim. Biophys. Acta 295, 412 (1973)		25 g 10.—	100 g 32.—
27821	Copolymer of 98% Styrene + 2% Divinylbenzene 200-400 mesh		100 g 45.—	500 g 190.—
	Copper			
	Cu A_r 63.55 [7440-50-8]			
61140	puriss. >99.999%; in Bars; Ag <0.5 ppm; Fe <0.5 ppm; Ni <0.5 ppm; Pb <0.5 ppm; Sb <0.5 ppm		100 g 40.—	
61139	purum p.a. turnings Fluka-Guarantee: Assay >98.0 % Iron (Fe) <0.005% Chloride (Cl) <0.005% Zink (Zn) <0.005% Sulfate (SO ₄) <0.005% Calcium (Ca) <0.005% Lead (Pb) <0.005%		250 g 9.—	1 kg 28.—
61141	purum p.a. powder		250 g 8.—	1 kg 25.—
	Copper (Coating quality BALZERS)			
61142	99.9%; Sticks, Diameter 2 mm		100 g 20.—	500 g 60.—
61143	99.99%; Sticks, Diameter 3 mm		10 g 40.—	100 g 220.—
61144	99.9%; Mesh size 0.2-0.7 mm		10 g 25.—	100 g 150.—



			sFr.	sFr.
Copper Ion Standard Solution FLUKA				
61147	1.000 g Copper(Liter/20°C; prepared from Cu(NO ₃) ₂ ; pH 1.5 adjusted with HNO ₃	1 lt ≈ 1.00 kg	500 ml 18. —	
61180	Copperchromite Catalyst purum powder (Copperchromium oxide)		100 g 18. —	500 g 75. —
61215	Copper phthalocyanine pract. 1 g soluble in 10 ml conc. H ₂ SO ₄ (Phthalocyanine Blue) C ₃₂ H ₁₈ CuN ₈ M _r 576.08 [147-14-8]		100 g 20. —	500 g 85. —
Copper(I) salts see Cuprous salts				
Copper(II) salts see Cupric salts				
Copper(II) triflate see 61249 Cupric-trifluoromethanesulfonate				
Cori-Ester Dipotassium salt see 49220 D-Glucose 1-phosphate Dipotassium salt				
Cori-Ester Disodium salt see 49230 D-Glucose 1-phosphate Disodium salt				
27830	Coronene purum ~97%(UV); M.P. ~440°; λ _{max} 345 nm, log ε 4.66 6.1/81g C ₂₄ H ₁₂ M _r 300.36 [191-07-1]		100 mg 40. —	500 mg 170. —
Cortexone see 30990 11-Deoxycorticosterone				
27840	Corticosterone (4-Pregnene-11β,21-diol-3,20-dione) C ₂₁ H ₃₀ O ₄ M _r 346.47 [50-22-6] purum ~97%(HPLC); M.P. 181-184°; [α] _D ²⁰ +270±2°; [α] _D ²⁰ +221±2° (c = 1 in Ethanol)		100 mg 10. —	500 mg 40. —
27860	Cortisone (4-Pregnene-17α,21-diol-3,11,20-trione; 17-Hydroxy-11-dehydrocorticosterone) C ₂₁ H ₂₈ O ₅ M _r 360.45 [53-06-5] purum ~97%(HPLC); M.P. ~220° dec.; [α] _D ²⁰ +260±5°; [α] _D ²⁰ +210±5° (c = 1 in Ethanol)		1 g 15. —	5 g 63. —
27870	Cortisone-21-acetate (21-Acetoxy-4-pregnen-17α-ol-3,11,20-trione) C ₂₃ H ₃₀ O ₆ M _r 402.49 [50-04-4] purum Ph. Eur. >98%(HPLC); M.P. 241-243°; [α] _D ²⁰ +277±2°; [α] _D ²⁰ +227±2° (c = 1 in Chlf.)		1 g 15. —	5 g 63. —
Cosbiol see 85630 Squalane				
28130	Coumalic acid (2-Oxo-2H-pyran-5-carboxylic acid; 2-Pyrone-5-carboxylic acid) QCOCH:CHC(COOH):CH C ₆ H ₄ O ₄ M _r 140.10 [500-05-0] pract. ~97%(T); M.P. 207-209° dec.		25 g 22. —	100 g 80. —
28170	o-Coumaric acid (trans-2-Hydroxycinnamic acid) HOC ₆ H ₄ CH:CHCOOH C ₉ H ₈ O ₃ M _r 164.16 [583-17-5] pract. >97%(T); M.P. 208-210° dec.; Ash <0.2%		5 g 9. —	25 g 35. —
28180	m-Coumaric acid (trans-3-Hydroxycinnamic acid) HOC ₆ H ₄ CH:CHCOOH C ₉ H ₈ O ₃ M _r 164.16 [588-30-7] puriss. CHR; >99%(T); M.P. 194-195°		5 g 12. —	25 g 50. —
28190	p-Coumaric acid (trans-4-Hydroxycinnamic acid) HOC ₆ H ₄ CH:CHCOOH C ₉ H ₈ O ₃ M _r 164.16 [7400-08-0] puriss. CHR; >99%(T); M.P. 213-215° dec.		1 g 7. —	10 g 38. —
28200	purum >98%(T); M.P. 214-217° dec.		5 g 8. —	25 g 29. —
28150	Coumarin (1-Benzopyran-2-one) C ₉ H ₆ OCOCH:CH C ₉ H ₆ O ₂ M _r 146.15 [91-64-5] purum >97%(UV); M.P. 68-70°; Fluorescent indicator		100 g 10. —	500 g 42. —
28160	Coumarin-3-carboxylic acid (2-Oxo-1-benzopyran-3-carboxylic acid) C ₉ H ₄ CH:C(COOH)COO C ₁₀ H ₆ O ₄ M _r 190.16 [531-81-7] purum >98%(T); M.P. 186-188°		25 g 18. —	
28165	Coumarone (1-Benzofuran) C ₈ H ₆ OCH:CH C ₈ H ₆ O M _r 118.14 [271-89-6] puriss. >99%(GC); B.P. 170-173°; d ₄ ²⁰ 1.095; n _D ²⁰ 1.567	1 lt ≈ 1.10 kg	10 ml 32. —	50 ml 135. —
4-CPA see 25890 4-Chlorophenoxyacetic acid				
27890	Creatine anhydrous (N-Guanyl-N-methylglycine) HN:C(NH ₂)N(CH ₃)CH ₂ COOH C ₄ H ₉ N ₃ O ₂ M _r 131.14 [57-00-1] puriss. CHR; >99%(NT); M.P. ~295° dec.; H ₂ O <0.5%		100 g 32. —	500 g 135. —

					sFr.	sFr.
	Creatine Monohydrate					
	HN:C(NH ₂)N(CH ₃)CH ₂ COOH.H ₂ O C ₄ H ₉ N ₃ O ₂ .H ₂ O M _r 149.15 [6020-87-7]					
27900	puriss. CHR; ~99%(NT); M.P. ~295° dec.; Ash <0.05%				100 g 20.—	500 g 85.—
					1 g 35.—	
27950	Creatine phosphate Barium salt purum >98%					
	BaO ₃ PNHC(:NH)N(CH ₃)CH ₂ COOH.4H ₂ O C ₄ H ₉ BaN ₃ O ₆ P.4H ₂ O M _r 418.50					
	[67-07-2] (free acid)					
27920	Creatine phosphate Disodium salt Tetrahydrate pract.				1 g 12.—	5 g 50.—
	Na ₂ O ₃ PNHC(:NH)N(CH ₃)CH ₂ COOH.4H ₂ O C ₄ H ₉ N ₃ Na ₂ O ₆ P.4H ₂ O M _r 255.08					
	[922-32-7]					
	Creatine Phosphokinase ex Rabbit Muscle, CPK (EC 2.7.3.2)					
	M _r ~81000 [9001-15-4]					
27960	p.a. lyophilised salt free; ~20 U/mg (25°C; Creatine and ATP as Substrate); store in refrigerator				10 mg 22.—	100 mg 175.—
	Creatinine (2-Imino-N-methylhydantoin)					
	CH ₃ NC(:NH)NHCOCH ₂ C ₄ H ₇ N ₃ O M _r 113.12 [60-27-5]					
27910	puriss. >99%(NT); M.P. 295° dec.				10 g 8.—	50 g 26.—
	o-Cresol (2-Methylphenol)					
	6.1/22a CH ₃ C ₆ H ₄ OH C ₇ H ₈ O M _r 108.14 [95-48-7]					
60990	puriss. p.a. >99.5%(GC); M.P. 29-31°; store in refrigerator	1 lt ≈ 1.05 kg	250 ml 16.—	1 lt 55.—		
61000	pract. >98%(GC); M.P. 28-30°	1 lt ≈ 1.05 kg	1 lt 16.—	2.5 lt 35.—		
	m-Cresol (3-Methylphenol)					
	6.1/22 CH ₃ C ₆ H ₄ OH C ₇ H ₈ O M _r 108.14 [108-39-4]					
61020	pract. >98%(GC); M.P. 8-12°; B.P. 200-205°; d ₄ ²⁰ 1.034; n _D ²⁰ 1.541	1 lt ≈ 1.03 kg	250 ml 9.—	1 lt 30.—		
	p-Cresol (4-Methylphenol)					
	6.1/22a CH ₃ C ₆ H ₄ OH C ₇ H ₈ O M _r 108.14 [106-44-5]					
61030	puriss. p.a. >99%(GC); M.P. 32-35°		100 g 14.—	500 g 60.—		
61035	pract. >98%(GC); M.P. 32-35°		250 g 10.—	1 kg 32.—		
61060	o-Cresolphthalein Standard Fluka Indicator pH 8.2-9.8				25 g 22.—	100 g 80.—
	C ₆ H ₄ COOÇ(C ₆ H ₃ -3-CH ₃ -4-OH) ₂ C ₂₂ H ₁₈ O ₄ M _r 346.39 [596-27-0]					
	o-Cresolphthalein Complexone [Metal phthalein; o-Cresolphthalein-3',3''-bis(methyliminodiacetic acid Sodium salt); o-Cresolphthalexone; Phthalein Purple]					
	C ₃₂ H ₃₂ N ₂ O ₁₂ (as Acid) M _r 636.62 [2411-89-4]					
64000	p.a. Indicator for Complexometry; Determination: Ba, Ca, Mg, Sr, SO ₄ ²⁻ ; Helv. Chim. Acta 37, 113 (1954)				1 g 11.—	5 g 44.—
	m-Cresol Purple (m-Cresolsulfonphthalein)					
	C ₆ H ₄ SO ₂ OÇ(C ₆ H ₃ -2-CH ₃ -4-OH) ₂ C ₂₁ H ₁₈ O ₅ S M _r 382.44 [2303-01-7]					
61070	Standard Fluka Indicator pH 1.2-2.8/pH 7.4-9.0		1 g 7.—	5 g 24.—		
	m-Cresol Purple Sodium salt (m-Cresolsulfonphthalein Sodium salt)					
	NaO ₃ SC ₆ H ₄ C(C ₆ H ₃ -2-CH ₃ -4-OH):C ₆ H ₃ -2-CH ₃ -4-O C ₂₁ H ₁₇ NaO ₅ S M _r 404.42					
61080	Standard Fluka Indicator pH 1.2-2.8/pH 7.4-9.0		1 g 12.—	5 g 50.—		
	Cresol Red (o-Cresolsulfonphthalein)					
	C ₆ H ₄ SO ₂ OÇ(C ₆ H ₃ -3-CH ₃ -4-OH) ₂ C ₂₁ H ₁₈ O ₅ S M _r 382.44 [1733-12-6]					
61090	Standard Fluka Indicator pH 0.2-1.8/pH 7.0-8.8		10 g 9.—	50 g 34.—		
	o-Cresolsulfonphthalein-3',3''-bis(methylaminoacetic acid Sodium salt) see 50100 Glycine Cresol Red					
	o-Cresolsulfonphthalein-3',3''-bis(methyliminodiacetic acid Sodium salt) see 95615 Xylenol Orange					
	o-Cresolsulfonaphthalein-3',3''-bis(N-methylmethylaminoacetic acid) see 84565 Sarcosine Cresol Red					
	m-Cresolsulfonphthalein Sodium salt see 61080 m-Cresol Purple Sodium salt					
	o-Cresotinic acid see 61100 3-Methylsalicylic acid					
	m-Cresotinic acid see 61105 4-Methylsalicylic acid					
	Cresyl Blue see 16030 Brilliant Cresyl Blue					
	Cresyl Fast Violet [C.I. Nr. ~51180]					
	NH ₂ C ₁₀ H ₈ OC ₆ H ₂ -3-:N(Cl)(CH ₃) ₂ -4-CH ₃ -6:N C ₁₀ H ₁₈ ClN ₃ O M _r 339.82 [2381-85-3]					
61120	Standard Fluka for Microscopy (Bact., Bot., Hist., Vit.)		5 g 29.—	25 g 120.—		

sFr.

sFr.

Cross-linking Agents see "Protein Modification" green section

Crotonaldehyde (trans-2-Butenal)

3/1a; 13° CH₃CH:CHCHO C₄H₆O M_r 70.09 [4170-30-3]

27980	puriss. stab. with 0.1% Di-tert-butyl-p-cresol; >99.5%(GC); B.P. 101-102°; d ₄ ²⁰ 0.851; n _D ²⁰ 1.437; store in refrigerator	1 lt ≈ 0.85 kg	250 ml 14. —	1 lt 50. —
27990	purum >98%(GC); d ₄ ²⁰ 0.855; n _D ²⁰ 1.437; store in refrigerator	1 lt ≈ 0.86 kg	1 lt 16. —	

Crotonaldehyde hydrate diacetate see 31480 trans-1,1-Diacetoxy-2-butene

Crotonic acid (trans-2-Butenoic acid)

8/21; 88° CH₃CH:CHCOOH C₄H₆O₂ M_r 86.09 [3724-65-0]

28010	purum >99%(T); M.P. 70-72°		250 g 8. —	1 kg 25. —
-------	----------------------------	--	------------	------------

Crotonic anhydride

8/21; 93° (CH₃CH:CHCO)₂O C₈H₁₀O₃ M_r 154.17 [623-68-7]

28040	purum ~97%(NT); B.P. 69-71°; d ₄ ²⁰ 1.038; n _D ²⁰ 1.473	1 lt ≈ 1.04 kg	100 ml 10. —	500 ml 37. —
-------	---	----------------	--------------	--------------

28003	Crotonoil DAB purum d ₄ ²⁰ 0.936; n _D ²⁰ 1.477	1 lt ≈ 0.94 kg	100 ml 22. —	
-------	---	----------------	--------------	--

γ-Crotonolactone (2-Buten-1,4-olide)

8/21 CH₂CH:CHCOO C₄H₆O₂ M_r 84.08 [497-23-4]

28005	purum >97%(GC); M.P. 3-4°; B.P. 212-214°; d ₄ ²⁰ 1.195; n _D ²⁰ 1.469; store in refrigerator; Review: Y. S. Rao, Chem. Rev. 76, 625 (1976)	1 lt ≈ 1.20 kg	5 ml 63. —	25 ml 265. —
-------	---	----------------	------------	--------------

Crotononitrile

6.1/2b; 16° CH₃CH:CHCN C₄H₅N M_r 67.09 [4786-20-3]

28080	pract. B.P. 105-110°; d ₄ ²⁰ 0.824; n _D ²⁰ 1.419; contains up to 50% Isocrotononitrile	1 lt ≈ 0.82 kg	100 ml 13. —	500 ml 55. —
-------	---	----------------	--------------	--------------

28051	Crotonyl chloride techn. ~90%(GC); d ₄ ²⁰ 1.08; n _D ²⁰ 1.459 8/22 CH ₃ CH:CHCOCl C ₄ H ₅ ClO M _r 104.54 [1470-91-3]	1 lt ≈ 1.08 kg	100 ml 30. —	500 ml 125. —
-------	---	----------------	--------------	---------------

Crotyl alcohol (trans-2-Buten-1-ol)

3/3; 34° CH₃CH:CHCH₂OH C₄H₈O M_r 72.11 [6117-91-5]

28091	pract. ~95%(GC); B.P. ~120° (Lit.); d ₄ ²⁰ 0.85; n _D ²⁰ 1.429	1 lt ≈ 0.85 kg	100 ml 20. —	500 ml 85. —
-------	---	----------------	--------------	--------------

Crotyl bromide (trans-1-Bromo-2-butene)

6.1/4; 13° CH₃CH:CHCH₂Br C₄H₇Br M_r 135.01 [4784-77-4]

28100	purum B.P. 105-107°; containing ~13% 3-Bromo-1-butene; d ₄ ²⁰ 1.34; stab. with silver wool	1 lt ≈ 1.34 kg	100 ml 55. —	500 ml 230. —
28110	pract. ~80%(GC); B.P. 98-107°; containing some 3-Bromo-1-butene	1 lt ≈ 1.34 kg	100 ml 40. —	500 ml 170. —

Crotyl chloride (trans-1-Chloro-2-butene)

3/1a; -10° CH₃CH:CHCH₂Cl C₄H₇Cl M_r 90.55 [4894-61-5]

28115	purum >98%(GC); B.P. 85-86° (Lit.)	1 lt ≈ 0.93 kg	100 ml 20. —	500 ml 85. —
-------	------------------------------------	----------------	--------------	--------------

Crotylene diacetate see 31480 trans-1,1-Diacetoxy-2-butene

12-Crown-4 (1,4,7,10-Tetraoxacyclododecane)

6.1/22 C₈H₁₆O₄ M_r 176.22 [294-93-9]

28122	purum >98%(GC); B.P. 68-70°; d ₄ ²⁰ 1.109; n _D ²⁰ 1.462 very hygroscopic, toxic	1 lt ≈ 1.11 kg	5 ml 26. —	25 ml 110. —
-------	--	----------------	------------	--------------

15-Crown-5 (1,4,7,10,13-Pentaoxacyclopentadecane)

6.1/22 C₁₀H₂₀O₅ M_r 220.20 [33100-27-5]

28123	purum >98%(GC); B.P. 93-96°; d ₄ ²⁰ 1.113; n _D ²⁰ 1.465; very hygroscopic, toxic	1 lt ≈ 1.11 kg	5 ml 26. —	25 ml 110. —
-------	---	----------------	------------	--------------

18-Crown-6 (1,4,7,10,13,16-Hexaoxacyclooctadecane)

6.1/22 C₁₂H₂₄O₆ M_r 264.32 [17455-13-9]

28125	purum >98%(GC); M.P. 37-39°; hygroscopic; toxic	5 g 9. —	25 g 33. —	250 g 240. —
28126	pract. >95%(GC); hygroscopic; toxic		10 g 20. —	50 g 85. —

61136	Cryolite (Coating quality BALZERS) 98%; Mesh size 0.7-3.5 mm Na ₃ AlF ₆ AlF ₃ Na ₃ M _r 209.94 [15096-52-3]		100 g 95. —	500 g 360. —
-------	---	--	-------------	--------------

Cryolite synth. powder

3NaF·AlF₃ AlF₃Na₃ M_r 209.94 [15096-52-3]

61138	F >53%; Al 13.5-14.0%; Na 32.0-32.5%; SiO ₂ <3%; Fe ₂ O ₃ <0.1%; Solubility 0.04 g in 100 ml H ₂ O; 0.038% in HCl (1.5%); SO ₄ ~0.5%; H ₂ O ~1%		1 kg 7. —	
-------	--	--	-----------	--

				sFr.	sFr.
	Crystal Violet [C.I. Nr. 42555; Sch. Nr. 785] (Methylviolet 10 B)				
61135	6.1/21	[4-(CH ₃) ₂ NC ₆ H ₄] ₂ C:C ₆ H ₄ -4-:N(Cl)(CH ₃) ₂ C ₂₈ H ₃₀ ClN ₃ M _r 407.99 [548-62-9]			
		Standard Fluka Indicator pH 0.1-2.0; for Microscopy (Bact., Bot., Hist., Vit.)	25 g 7.—	100 g 15.—	500 g 63.—
	5-CTP-H₂Na₂ see 30320 Cytidine 5'-triphosphate Disodium salt				
	Cumene (Isopropylbenzene)				
28220	3/3; 31°	C ₆ H ₅ CH(CH ₃) ₂ C ₉ H ₁₂ M _r 120.20 [98-82-8]			
		puriss. Standard for GLC; >99.8%(GC); B.P. 152-153°; d ₄ ²⁰ 0.864; n _D ²⁰ 1.491	1 lt ≈ 0.86 kg	5 ml 20.—	25 ml 85.—
28230		purum >98%(GC); d ₄ ²⁰ 0.862; n _D ²⁰ 1.491	1 lt ≈ 0.86 kg	1 lt 11.—	2.5 lt 24.—
	Cumene hydroperoxide				
28250	5.2/10a	C ₆ H ₅ C(CH ₃) ₂ OOH C ₉ H ₁₂ O ₂ M _r 152.20 [80-15-9]			
		pract. 70% in Cumene; d ₄ ²⁰ 1.028; n _D ²⁰ 1.519; store in refrigerator	1 lt ≈ 1.03 kg	100 ml 10.—	500 ml 37.—
	Cuminaldehyde (4-Isopropylbenzaldehyde)				
28210	3/4; 97°	(CH ₃) ₂ CHC ₆ H ₄ CHO C ₁₀ H ₁₂ O M _r 148.21 [122-03-2]			
		techn. ~90%(GC); B.P. 235° (Lit.); d ₄ ²⁰ 0.978; n _D ²⁰ 1.530	1 lt ≈ 0.98 kg	100 ml 20.—	500 ml 85.—
	Cupferron (N-Nitroso-N-phenylhydroxylamine Ammonium salt)				
61220		C ₆ H ₅ N(NO)ONH ₄ C ₆ H ₉ N ₃ O ₂ M _r 155.16 [135-20-6]			
		purum p.a. M.P. 150-155° dec.; for Determination and Separation of Ce, Cu, Fe, Ga, Nb, Sn, Ta, Ti, V, W, U; store in refrigerator		25 g 10.—	100 g 35.—
	Cupral see 71480 Sodium diethyldithiocarbamate				
61145		Cupric acetate purum p.a.	250 g 7.—	500 g 10.—	2.5 kg 40.—
		(CH ₃ COO) ₂ Cu·H ₂ O C ₄ H ₆ CuO ₄ ·H ₂ O M _r 199.65 [142-71-2]			
		Fluka-Guarantee:			
		Assay >98.0 % Iron (Fe) <0.005%			
		Chloride (Cl) <0.005% Zinc (Zn) <0.005%			
		Sulfate (SO ₄) <0.005% Calcium (Ca) <0.005%			
		Lead (Pb) <0.005%			
61150		Cupric acetylacetonate pract. M.P. >300°		100 g 15.—	
		Cu(C ₅ H ₇ O ₂) ₂ C ₁₀ H ₁₄ CuO ₄ M _r 261.76 [13395-16-9]			
61165		Cupric bromide purum p.a.		250 g 14.—	1 kg 50.—
		CuBr ₂ Br ₂ Cu M _r 223.36 [7789-45-9]			
		Fluka-Guarantee:			
		Assay >98.0 % Iron (Fe) <0.005%			
		Sulfate (SO ₄) <0.005% Zinc (Zn) <0.005%			
		Lead (Pb) <0.005% Calcium (Ca) <0.005%			
61167		Cupric carbonate basic purum		250 g 8.—	1 kg 22.—
		CuCO ₃ ·Cu(OH) ₂ CH ₂ Cu ₂ O ₅ M _r 221.10 [12069-69-1]			
61173		Cupric chloride anhydrous purum p.a.		250 g 8.—	1 kg 25.—
		CuCl ₂ Cl ₂ Cu M _r 134.45 [7447-39-4]			
		Fluka-Guarantee:			
		Assay >98.0 % Iron (Fe) <0.01%			
		Sulfate (SO ₄) <0.005% Zinc (Zn) <0.01%			
		Lead (Pb) <0.05 %			
61175		Cupric chloride Dihydrate purum >98%		250 g 8.—	1 kg 25.—
		CuCl ₂ ·2H ₂ O Cl ₂ Cu·2H ₂ O M _r 170.48 [10125-13-0]			
61192		Cupric hydroxide pract. ~95%(RT)		250 g 11.—	1 kg 38.—
		Cu(OH) ₂ CuH ₂ O ₂ M _r 97.56 [20427-59-2]			
	Cupric nitrate				
61197		Cu(NO ₃) ₂ ·3H ₂ O CuN ₂ O ₆ ·3H ₂ O M _r 241.60 [3251-23-8]			
		purum p.a.		250 g 7.—	1 kg 16.—
		Fluka-Guarantee:			
		Assay >98.0 % Iron (Fe) <0.005%			
		Chloride (Cl) <0.005% Zinc (Zn) <0.005%			
		Sulfate (SO ₄) <0.005% Calcium (Ca) <0.005%			
		Lead (Pb) <0.005%			
61198		pract.		1 kg 12.—	



					sFr.	sFr.
Cupric oxide						
61200	CuO	M _r 79.54 [1317-38-0]				
	puriss. p.a.				100 g 12. —	500 g 50. —
	Fluka-Guarantee:					
	Assay	>99.0 %	Total nitrogen (N)	<0.002%		
	Insolubles in water	<0.02 %	Carbon (C)	<0.05 %		
	Insolubles in deluted		Lead (Pb)	<0.005%		
	Sulfuric acid	<0.02 %	With H ₂ S not precipitable			
	Chloride (Cl)	<0.004%	Substances (as SO ₄)	<0.025%		
	Total sulfure (as SO ₄)	<0.01 %				
61202					250 g 10. —	1 kg 35. —
	purum p.a.					
	Fluka-Guarantee:					
	Assay	>98.0%	Iron (Fe)	<0.05%		
	Lead (Pb)	<0.01%	Zinc (Zn)	<0.02%		
61210	Cupric perchlorate	purum p.a. cryst.			100 g 40. —	500 g 170. —
5.1/4b	Cu(ClO ₄) ₂ ·6H ₂ O	Cl ₂ CuO ₉ ·6H ₂ O	M _r 370.53 [13770-18-8]			
	Fluka-Guarantee:					
	Assay	>98.0 %	Iron (Fe)	<0.005%		
	Chloride (Cl)	<0.005%	Zinc (Zn)	<0.05 %		
	Lead (Pb)	<0.005%	Calcium (Ca)	<0.01 %		
61230	Cupric sulfate anhydrous	puriss. p.a.			100 g 7. —	500 g 24. —
	CuSO ₄	CuO ₄ S	M _r 159.60 [7758-98-7]			
	Fluka-Guarantee:					
	Assay (dried)	>99.0 %	Iron (Fe)	<0.01%		
	Insolubles in water	<0.02 %	Zinc (Zn)	<0.03%		
	Chloride (Cl)	<0.01 %	With H ₂ S not precipitable			
	Total nitrogen (N)	<0.01 %	Substances (as SO ₄)	<0.2 %		
	Nickel (Ni)	<0.005%				
Cupric sulfate Pentahydrate						
61240	CuSO ₄ ·5H ₂ O	CuO ₄ S·5H ₂ O	M _r 249.68 [7758-99-8]		250 g 7. —	1 kg 20. —
	puriss. p.a. cryst.					
	Fluka-Guarantee:					
	Assay	>99.0 %	Nickel (Ni)	<0.002 %		
	Insolubles in water	<0.005%	Iron (Fe)	<0.005 %		
	With H ₂ S not precipitable		Chloride (Cl)	<0.0005%		
	Substances (as SO ₄)	<0.1 %	Total nitrogen (N)	<0.004 %		
61245					500 g 8. —	1 kg 13. —
	purum p.a. cryst.					
	Fluka-Guarantee:					
	Assay	>98.0%	Lead (Pb)	<0.01%		
	pH (5% solution in		Iron (Fe)	<0.05%		
	water 20°C)	3.7-5.0	Zinc (Zn)	<0.01%		
	Chloride (Cl)	<0.01%	Calcium (Ca)	<0.01%		
61248	Cupric sulfide	techn.			500 g 18. —	
	CuS.aq	M _r 95.60 + aq [1317-40-4]				
61249	Cupric trifluoromethanesulfonate	[Copper(II)-triflate]				
8/12	(CF ₃ SO ₃) ₂ Cu	C ₂ CuF ₆ O ₆ S ₂	M _r 361.68 [34946-82-2]			
	purum >98%(RT); M.P. >300°; Catalyst for coupling reactions: Y. Kobayashi,				5 g 15. —	25 g 63. —
	T. Taguchi, E. Tokuno, Tetrahedron Lett. 3741 (1977)					
Cuprizon see 14690 Bis(cyclohexanone)oxaldihydrazone						
Cuproin see 35020 2,2'-Biquinoline						
Cuprone see 12530 α-Benzoin oxime						
61163	Cuprous bromide	purum p.a.			100 g 12. —	500 g 50. —
	CuBr	BrCu	M _r 143.45 [7787-70-4]			
	Fluka-Guarantee:					
	Assay	>98.0 %	Iron (Fe)	<0.005%		
	Sulfate (SO ₄)	<0.01 %	Zinc (Zn)	<0.005%		
	Lead (Pb)	<0.005%	Calcium (Ca)	<0.005%		
61166	Cuprous bromide Methylsulfide Complex					
	CuBr·CH ₃ SCH ₃	M _r 205.58				
	purum >98%(RT); M.P. ~135° dec.; Crystalline complexe for the preparation				25 g 20. —	100 g 70. —
	of organocuprate reagents. Review: G. Posner, Org. React. 22, 253 (1975)					



						sFr.	sFr.
61170	Cuprous chloride pract. ~95%(RT) CuCl ClCu M _r 98.99 [7758-89-6]					250 g 9.—	1 kg 28.—
61176	Cuprous cyanide purum p.a. 6.1/31a CuCN CCuN M _r 89.56 [544-92-3] Fluka-Guarantee: Assay (as Cu) 68-72% Sulfate (SO ₄) <0.005% Lead (Pb) <0.005% Iron (Fe) <0.01 % Zinc (Zn) <0.005%					250 g 9.—	1 kg 28.—
61195	Cuprous iodide purum >98%(RT) CuI M _r 190.44 [7681-65-4]					100 g 9.—	500 g 34.—
61196	Cuprous iodide Trimethylphosphite Complex CuI.P(OCH ₃) ₃ C ₃ H ₉ CuIO ₃ P M _r 314.52 purum >99%(RT); M.P. 192-193°					10 g 12.—	50 g 50.—
28260	Curcumin [C.I. Nr. 75300; Sch. Nr. 1238] (Diferuloylmethane) CH ₂ [COCH:CHC ₆ H ₃ (OH)OCH ₃] ₂ C ₂₁ H ₂₀ O ₆ M _r 368.39 [458-37-7] puriss. ~99%(C,H-Analysis); M.P. ~175°					10 g 25.—	50 g 105.—
28270	Curing Agent C FLUKA purum M.P. 123-126°					100 g 11.—	500 g 44.—
28330	Cyanamide 6.1/31a NCNH ₂ CH ₂ N ₂ M _r 42.04 [420-04-2] purum >98%; M.P. 44-46°; stab. with 0.05% Phosphate; H ₂ O <2%; store in refrigerator					250 g 17.—	1 kg 60.—
	Cyanamide Disodium salt see 71410 di-Sodiumcyanamide						
	Cyanamide Monosodium salt see 71415 mono-Sodiumcyanamide						
28280	Cyanoacetamide purum >98%(N); M.P. 118-120° NCCH ₂ CONH ₂ C ₃ H ₄ N ₂ O M _r 84.08 [107-91-2]					250 g 22.—	1 kg 80.—
28400	Cyanoacetic acid 8/21a NCCH ₂ COOH C ₃ H ₃ NO ₂ M _r 85.06 [372-09-8] puriss. >99%(T); M.P. 69-70°; Ash <0.05%					100 g 18.—	500 g 75.—
28410	purum >98%(T); M.P. 66-70°; Ash <0.5%					250 g 17.—	1 kg 60.—
28450	Cyanoacetic acid hydrazide pract. >95%(NT); M.P. 103-106° (Cyanoacethydrazide) 6.1/21 NCCH ₂ CONHNH ₂ C ₃ H ₅ N ₃ O M _r 99.09 [140-87-4]					100 g 20.—	500 g 85.—
28290	Cyanoacetylurea purum M.P. 211-213° 6.1/21 NCCH ₂ CONHCONH ₂ C ₄ H ₅ N ₃ O ₂ M _r 127.10 [1448-98-2]					100 g 12.—	500 g 50.—
28350	4-Cyanobenzaldehyde purum >97%(T); M.P. 100-102° NCC ₆ H ₄ CHO C ₈ H ₅ NO M _r 131.14 [105-07-7]					5 g 17.—	25 g 70.—
28360	3-Cyanobenzoic acid purum >98%(T); M.P. 217-219° (Isophthalic acid mononitrile) 6.1/21 NCC ₆ H ₄ COOH C ₈ H ₅ NO ₂ M _r 147.14 [1877-72-1]					10 g 22.—	50 g 80.—
28370	4-Cyanobenzoic acid purum >98%(T); M.P. 219-221° (Terephthalic acid mononitrile) 6.1/21 NCC ₆ H ₄ COOH C ₈ H ₅ NO ₂ M _r 147.14 [619-65-8]					10 g 25.—	50 g 105.—
	3-Cyanobenzotrifluoride see 91800 3-(Trifluoromethyl)benzonitrile						
	4-Cyanobenzyl bromide see 17570 4-(Bromomethyl)benzonitrile						
28380	cis,trans-1-Cyano-1,3-butadiene (cis,trans-2,4-Pentadienenitrile) 6.1/21; 74° CH ₂ :CHCH:CHCN C ₅ H ₅ N M _r 79.61 [1615-70-9] purum stab. with 0.2% Hydroquinone; store in refrigerator				1 lt ≈ 0.87 kg	5 ml 20.—	25 ml 85.—
	Cyanocobalamine see 95190 Vitamine B ₁₂						
	Cyanocyclopentane see 29720 Cyclopentanecarbonitrile						
	Cyanocyclopropane see 29910 Cyclopropane carbonitrile						
28300	N-(2-Cyanoethyl)morpholine (β-Morpholino propionitrile) 6.1/61; 115° CNCH ₂ CH ₂ NCH ₂ CH ₂ OCH ₂ CH ₂ C ₇ H ₁₂ N ₂ O M _r 140.19 [4542-47-6] purum >99%(GC); B.P. 260-262°; d ₄ ²⁰ 1.040; n _D ²⁰ 1.471				1 lt ≈ 1.04 kg	250 ml 26.—	
28310	2-Cyanoethyl phosphate Barium salt Dihydrate (Barium 2-cyanoethyl phosphate; 6.1/21 Phosphoric acid 2-cyanoethyl ester Barium salt) NCCH ₂ CH ₂ OPO ₃ Ba.2H ₂ O C ₃ H ₈ BaNO ₄ P.2H ₂ O M _r 322.42 [5015-38-3] purum ~97%(NT)					5 g 34.—	

				sFr.	sFr.
Cyanogen bromide					
6.1/31a	BrCN CBrN M _r 105.94 [506-68-3]				
16769	puriss. biochim. M.P. 50-52°; store in refrigerator; for selective peptide cleavage (e.g. methionine residue): E. Gross, Methods in Enzymology, Vol. XI, 238 (1967)	100 g	55. --		
16772	puriss.; store in refrigerator	200 g	95. --		
16770	purum M.P. 48-50°; store in refrigerator	100 g	40. --		
16771	purum M.P. 48-50°; store in refrigerator	200 g	75. --		
Cyanogen iodide					
6.1/31a	ICN CIN M _r 152.92 [506-78-5]				
57790	purum ~96%(RT); M.P. 143-146°; Ash <0.1%; store in refrigerator	10 g	32. --	50 g	135. --
Cyanoguanidine see 36600 Dicyanodiamide					
Cyanogum 41® Gelling Agent					
28540	p.a. Permixed acrylamide/bisacrylamide (95:5) for the Electrophoretic analysis of hemoglobin solutions Set of 1 kg Cyanogum 41 + 20 g Catalyst DMAPN	50. --			
® Trademark of American Cyanamid Comp.					
Cyanol FF see 95600 Xylenecyanol FF					
2-(Cyanomethyl) benzimidazol see 12263 (2-Benzimidazoly)acetonitrile					
(Cyanomethylene) triphenylphosphorane					
6.1/21	NCCH:P(C ₆ H ₅) ₃ C ₂₀ H ₁₆ NP M _r 301.33 [16640-68-9]				
28506	purum ~95%(NT); M.P. 190-193°	5 g	60. --	25 g	255. --
4-(Cyanomethyl)morpholine see 69890 Morpholinoacetonitrile					
3-Cyano-6-methyl-2-pyridone (1,2-Dihydro-6-methyl-2-oxonicotinic acid nitrile)					
6.1/21	NHCOC(CN):CHCH:CCH ₃ C ₇ H ₆ N ₂ O M _r 134.14 [4241-27-4]				
28530	purum >97%(N); M.P. 293-295° dec.	10 g	16. --	50 g	67. --
1- and 2-Cyanonaphthalene see 70630 and 70640 1- and 2-Napththonitrile					
28535	2-Cyano-4-nitroaniline purum >98%(N); M.P. 207-210° (2-Amino-5-nitrobenzonitrile)	100 g	22. --	500 g	90. --
6.1/21	NO ₂ C ₆ H ₃ (CN)NH ₂ C ₇ H ₅ N ₃ O ₂ M _r 163.14 [17420-30-3]				
4-Cyanophenol see 54797 4-Hydroxybenzonitrile					
2-Cyanopyridine					
6.1/21	NCC:CHCH:CHCH:N C ₆ H ₄ N ₂ M _r 104.11 [100-70-9]				
28570	purum >98%(GC); M.P. 24-27°; store of refrigerator; Precursor of the appropriate amidate for the modification of proteins via amidation: M.J. Hunter and M.L. Ludwig, Meth. in Enzymol., Vol. 25, Part B, 585-596 (1972)	100 g	22. --	500 g	90. --
28571	pract. >95%(GC); M.P. 20-23°	250 g	33. --	1 kg	120. --
28580	3-Cyanopyridine purum ~97%(GC); M.P. 46-49° (Nicotinic acid nitrile)	100 g	15. --	500 g	63. --
6.1/21	CH:NCH:CHCH:C CN C ₆ H ₄ N ₂ M _r 104.11 [100-54-9]				
4-Cyanopyridine (Isonicotinic acid nitrile)					
6.1/21	CH:CHN:CHCH:C CN C ₆ H ₄ N ₂ M _r 104.11 [100-48-1]				
28590	purum >98%(GC); M.P. 76-79°; store in refrigerator	100 g	11. --	500 g	46. --
Cyanosine [C.I. Nr. 45410; Sch. Nr. 890] (Eosin 10B, Eosin S extra bluish, Phloxine B; 2',4',5',7'-Tetrabromo-3,4,5,6-tetrachlorofluorescein Disodium salt) 2-NaOOC-C ₆ -3,4,5,6-Cl ₄ :C ₆ H-2,4-Br ₂ -3-(O)OC ₆ H-5,7-Br ₂ -6-ONa C ₂₀ H ₂ Br ₄ Cl ₄ Na ₂ O ₅ M _r 829.66 [18472-87-2]					
28550	Standard Fluka for Microscopy (Bot., Hist.); Adsorption Indicator	25 g	17. --	100 g	60. --
28610	11-Cyanoundecanoic acid purum >98%(T); M.P. 50-53°	10 g	30. --	50 g	125. --
6.1/21	NC(CH ₂) ₁₀ COOH C ₁₂ H ₂₁ NO ₂ M _r 211.31 [5810-18-4]				
28476	N-Cyanourea Sodium salt purum >97%(NT)	1 g	25. --	5 g	105. --
6.1/21	NH ₂ CON(Na)CN C ₂ H ₂ N ₃ NaO M _r 107.05				
Cyanomethyl N,N-dimethyldithiocarbamate					
6.1/21	(CH ₃) ₂ NCSSCH ₂ CN C ₆ H ₈ N ₂ S ₂ M _r 160.26 [61540-35-0]				
40230	purum ~97%(S); M.P. 74-76°; Ash <0.5%; Reagent for a simple ketone synthesis in aqueous medium: Y. Masuyama et al., Tetrahedron Lett. 2967 (1976)	10 g	25. --	50 g	105. --
Cyanotrimethylsilane see 92755 Trimethylsilyl cyanide					
α-Cyano-p-xylene see 89970 p-Tolylacetoneitrile					

				sFr.	sFr.
	2-Cyano-p-xylene see 39604 2,5-Dimethylbenzonitrile				
	3-Cyano-o-xylene see 39602 2,3-Dimethylbenzonitrile				
	4-Cyano-m-xylene see 39603 2,4-Dimethylbenzonitrile				
	Cyanuric acid anhydrous (2,4,6-Trihydroxy-1,3,5-triazine)				
	6.1/21	HO $\overline{\text{C}}$:NC(OH):NC(OH):N C ₃ H ₃ N ₃ O ₃ M _r 129.08 [108-80-5]		100 g 25. —	
28630		puriss. p.a. >99%(T); M.P. >300°		250 g 10. —	1 kg 35. —
28640		purum >98%(T); M.P. >300°			
28620	Cyanuric chloride purum >98%(T); M.P. 145-147° (2,4,6-Trichloro-1,3,5-triazine)			250 g 9. —	500 g 15. —
	6.1/23	Cl $\overline{\text{C}}$:NCCl:NCCl:N C ₃ Cl ₃ N ₃ M _r 184.41 [108-77-0]			
	Cyclamic acid see 29550 N-Cyclohexylsulfamic acid				
	Cyclobutanecarboxylic acid				
		CH ₂ CH ₂ CH ₂ CHCOOH C ₆ H ₈ O ₂ M _r 100.12 [3721-95-7]			
28661		purum >98%(T); B.P. 195° (Lit.); d ₄ ²⁰ 1.060; n _D ²⁰ 1.444	1 lt ≈ 1.06 kg	5 ml 15. —	25 ml 63. —
28680	Cyclobutane-1,1-dicarboxylic acid purum >99%(T); M.P. 157-158°			5 g 16. —	
		CH ₂ CH ₂ CH ₂ C(COOH) ₂ C ₆ H ₈ O ₄ M _r 144.13 [5445-51-2]			
28681	trans-Cyclobutane-1,2-dicarboxylic acid purum >99%(T); M.P. 124-127°			25 g 40. —	
		HOOCCHCH ₂ CH ₂ CHCOOH C ₆ H ₈ O ₄ M _r 144.13 [1124-13-6]			
28696	Cyclobutanone purum >99%(GC); B.P. 97-100°; d ₄ ²⁰ 0.931; n _D ²⁰ 1.421			1 g 38. —	
	3/3; 27°	CH ₂ CH ₂ CH ₂ CO C ₄ H ₆ O M _r 70.09 [287-23-0]			
28697	Cyclobutylamine purum >98%(GC); B.P. 82-83°; d ₄ ²⁰ 0.839; n _D ²⁰ 1.437			1 lt ≈ 0.84 kg	1 ml 30. — 5 ml 125. —
	3/5; 18°	CH ₂ CH ₂ CH ₂ CHNH ₂ C ₄ H ₉ N M _r 71.12 [2516-34-9]			
	Cyclobutyl bromide see 16780 Bromocyclobutane				
	cis,trans-1,5-Cyclodecadiene				
	3/4; 75°	CH:CHCH ₂ CH ₂ CH:CH(CH ₂) ₃ CH ₂ C ₁₀ H ₁₆ M _r 136.24 [1124-78-3]			
28704		purum >97%(GC); d ₄ ²⁰ 0.879; n _D ²⁰ 1.495	1 lt ≈ 0.88 kg	10 ml 30. —	50 ml 125. —
	Cyclodecane				
		CH ₂ (CH ₂) ₈ CH ₂ C ₁₀ H ₂₀ M _r 140.27 [293-96-9]			
28699		purum >99%(GC); M.P. 9-10°; B.P. 201° (Lit.); d ₄ ²⁰ 0.858; n _D ²⁰ 1.471	1 lt ≈ 0.86 kg	10 ml 25. —	50 ml 105. —
28698	Cyclodecanone purum >98%(GC); M.P. 21-24°			1 g 16. —	5 g 67. —
		CH ₂ (CH ₂) ₈ CO C ₁₀ H ₁₈ O M _r 154.25 [1502-06-3]			
28702	Cyclodecanone oxime purum M.P. 79-80°			5 g 24. —	25 g 100. —
		CH ₂ (CH ₂) ₈ C:NOH C ₁₀ H ₁₉ NO M _r 169.27 [2972-01-2]			
28703	cis-Cyclodecene puriss. ~99.5%(GC); M.P. -3--1°; B.P. 200-202°; d ₄ ²⁰ 0.873; n _D ²⁰ 1.486			10 g 30. —	50 g 125. —
	3/4; 62°	CH:CH(CH ₂) ₇ CH ₂ C ₁₀ H ₁₈ M _r 138.26 [935-31-9]			
	Cyclodecene oxide see 45352 cis-1,2-Epoxy cyclodecane				
28701	4-Cyclodecan-1-one purum >98%(GC); d ₄ ²⁰ 0.978; n _D ²⁰ 1.494			1 lt ≈ 0.98 kg	5 ml 63. —
		CH:CHCH ₂ CH ₂ CO(CH ₂) ₄ CH ₂ C ₁₀ H ₁₆ O M _r 152.24 [26749-90-6]			
28710	Cyclododecane purum >99%(GC); M.P. 59-61°			250 g 16. —	1 kg 55. —
	3/4; 89°	CH ₂ (CH ₂) ₁₀ CH ₂ C ₁₂ H ₂₄ M _r 168.32 [294-62-2]			
28711	Cyclododecanecarboxylic acid purum >98%(T); M.P. 95-97°			5 g 30. —	25 g 120. —
		CH ₂ (CH ₂) ₁₀ CHCOOH C ₁₃ H ₂₄ O ₂ M _r 212.34 [884-36-6]			
	Cyclododecanemethanol see 55635 (Hydroxymethyl)cyclododecane				
28730	Cyclododecanone purum >99%(GC); M.P. 59-61°			100 g 11. —	500 g 46. —
		CH ₂ (CH ₂) ₁₀ CO C ₁₂ H ₂₂ O M _r 182.31 [830-13-7]			
28740	1,5,9-Cyclododecatriene pract.; store in refrigerator			1 lt ≈ 0.89 kg	250 ml 13. — 1 lt 45. —
	3/4; 73°	CH:CHCH ₂ (CH ₂ CH:CHCH ₂) ₂ CH ₂ C ₁₂ H ₁₈ M _r 162.28 [4904-61-4]			
	trans,cis,cis-1,5,9-Cyclododecatriene				
	>75°	CH:CHCH ₂ (CH ₂ CH:CHCH ₂) ₂ CH ₂ C ₁₂ H ₁₈ M _r 162.28 [2765-29-9]			
28745		purum >99%(GC); B.P. 237-239°; d ₄ ²⁰ 0.907; n _D ²⁰ 1.514	1 lt ≈ 0.91 kg	10 ml 30. —	50 ml 125. —
	trans,trans,cis-1,5,9-Cyclododecatriene				
	3/4; 73°	CH:CHCH ₂ (CH ₂ CH:CHCH ₂) ₂ CH ₂ C ₁₂ H ₁₈ M _r 162.28 [706-31-0]			
28750		purum ~99%(GC); M.P. -18--16°; B.P. 97-100°; d ₄ ²⁰ 0.892; n _D ²⁰ 1.508; store in refrigerator	1 lt ≈ 0.89 kg	100 ml 9. —	500 ml 32. —

			sFr.	sFr.
	trans,trans,trans-1,5,9-Cyclododecatriene			
	3/4; 73° $\text{CH:CHCH}_2(\text{CH}_2\text{CH:CHCH}_2)_2\text{CH}_2$ $\text{C}_{12}\text{H}_{18}$ M_r 162.28 [676-22-2]			
28760	puriss. >99.5%(GC); M.P. 33-35°; store in refrigerator		10 g 25. —	50 g 105. —
	1,5,9-Cyclododecatriene monoxide (9,10-Epoxy-1,5-cyclododecadiene)			
	$\text{C}_{12}\text{H}_{18}\text{O}$ M_r 178.28 [943-93-1]			
28770	purum >99%(GC); B.P. ₁₀ 124-126°; d_4^{20} 0.978; n_D^{20} 1.506; store in refrigerator	1 lt ≈ 0.98 kg	25 ml 8. —	100 ml 25. —
28780	Cyclododecene (cis + trans) purum ~97%(GC); d_4^{20} 0.870; n_D^{20} 1.485	1 lt ≈ 0.87 kg	100 ml 18. —	500 ml 75. —
	3/4; 87° $\text{CH}_2(\text{CH}_2)_9\text{CH:CH}$ $\text{C}_{12}\text{H}_{22}$ M_r 166.31 [1501-82-2]			
28810	Cycloheptane purum >97%(GC); B.P. 116-118°; d_4^{20} 0.813; n_D^{20} 1.444	1 lt ≈ 0.81 kg	100 ml 28. —	500 ml 120. —
	3/1a; 15° $\text{CH}_2(\text{CH}_2)_5\text{CH}_2$ C_7H_{14} M_r 98.19 [291-64-5]			
28820	1,2-Cycloheptanedione dioxime puriss. p.a. M.P. 174-176° ("Heptoxime")		1 g 20. —	5 g 85. —
	$\text{CH}_2(\text{CH}_2)_4\text{C(:NOH)C:NOH}$ $\text{C}_7\text{H}_{12}\text{N}_2\text{O}_2$ M_r 156.19 [530-97-2]			
	Cycloheptanemethanol see 55632 (Hydroxymethyl)cycloheptane			
28840	Cycloheptanol purum >97%(GC); B.P. ₁₁ 77-81°	1 lt ≈ 0.96 kg	100 ml 40. —	
	3/4; 60° $\text{CH}_2(\text{CH}_2)_5\text{CHOH}$ $\text{C}_7\text{H}_{14}\text{O}$ M_r 114.19 [502-41-0]			
28850	Cycloheptanone purum ~97%(GC); B.P. 178-180°; d_4^{20} 0.952; n_D^{20} 1.461	1 lt ≈ 0.95 kg	100 ml 30. —	500 ml 125. —
	3/4; 57° $\text{CH}_2(\text{CH}_2)_5\text{CO}$ $\text{C}_7\text{H}_{12}\text{O}$ M_r 112.17 [502-42-1]			
	Cycloheptatriene			
	3/1a; 3° $\text{CH}_2(\text{CH:CH})_2\text{CH:CH}$ C_7H_8 M_r 92.14 [544-25-2]			
28860	pract. ~95%(GC); B.P. 112-118°; d_4^{20} 0.895; n_D^{20} 1.522; store in refrigerator	1 lt ≈ 0.89 kg	250 ml 24. —	1 lt 90. —
28870	Cycloheptene pract. 90-95%(GC); B.P. 113-116°; d_4^{20} 0.833; n_D^{20} 1.458	1 lt ≈ 0.83 kg	50 ml 13. —	250 ml 55. —
	3/3; 45° $\text{CH}_2(\text{CH}_2)_4\text{CH:CH}$ C_7H_{12} M_r 96.17 [628-92-2]			
28890	Cycloheptylamine purum >97%(GC); B.P. ₁₁ 50-52°; d_4^{20} 0.887; n_D^{20} 1.472	1 lt ≈ 0.89 kg	25 ml 23. —	100 ml 85. —
	3/3; 47° $\text{CH}_2(\text{CH}_2)_5\text{CHNH}_2$ $\text{C}_7\text{H}_{15}\text{N}$ M_r 113.20 [5452-35-7]			
	Cycloheptylcarbinol see 55632 Hydroxymethylcycloheptane			
	1,3-Cyclohexadiene (1,2-Dihydrobenzene)			
	3/1a; -8° $\text{CH:CHCH:CHCH}_2\text{CH}_2$ C_6H_8 M_r 80.13 [592-57-4]			
28900	purum >97%(GC); B.P. 79-81°; d_4^{20} 0.840; n_D^{20} 1.475	1 lt ≈ 0.84 kg	5 ml 18. —	25 ml 75. —
	1,4-Cyclohexadiene (1,4-Dihydrobenzene)			
	3/1a; -10° $\text{CH:CHCH}_2\text{CH:CHCH}_2$ C_6H_8 M_r 80.13 [628-41-1]			
28910	purum >99%(GC); B.P. 86-87° (Lit.); d_4^{20} 0.855; n_D^{20} 1.473	1 lt ≈ 0.86 kg	5 ml 18. —	25 ml 75. —
	Cyclohexane			
	3/1a; -18° $\text{CH}_2(\text{CH}_2)_4\text{CH}_2$ C_6H_{12} M_r 84.16 [110-82-7]			
28920	puriss. Standard for GC; >99.7%(GC) + 2,4-Dimethyl-pentane + 1,1-Dimethyl-cyclopentane; d_4^{20} 0.778; n_D^{20} 1.426	1 lt ≈ 0.78 kg	10 ml 35. —	50 ml 145. —
28930	benzene free for UV-Spectroscopy; M.P. 6-7°; B.P. 80-81°; d_4^{20} 0.776; n_D^{20} 1.426	1 lt ≈ 0.78 kg	500 ml 15. —	1 lt 28. — 2.5 lt 63. —
	Fluka-Guarantee: Layer thickness 10 mm vs Reference: distilled water Wavelength in nm: 210 220 230 240 250 260 Transmittance in %: 20 42 75 90 95 >99			
28931	for HPLC; B.P. 81°; n_D^{20} 1.427; UV cut-off 220 nm; ϵ (Al_2O_3) 0.04; H_2O <0.01%	1 lt ≈ 0.78 kg	1 lt 25. —	2.5 lt 55. —
28932	puriss. p.a. Fluka-Guarantee: Assay (GC) >99.5 % Water (H_2O) <0.05 % Acid value <0.005 mg/g Non-volatile matters <0.002 % Test with H_2SO_4 passes test Aromates (as Benzene) (UV) <0.05 % Copper (Cu) <0.000005% Lead (Pb) <0.000005% Chromium (Cr) <0.000005% Iron (Fe) <0.000005% Cadmium (Cd) <0.000005% Zinc (Zn) <0.00001 % Calcium (Ca) <0.000005% Potassium (K) <0.000005% Sodium (Na) <0.000005% Manganese (Mn) <0.000005%	1 lt ≈ 0.78 kg	1 lt 16. —	2.5 lt 35. —
28940	purum >99%(GC); M.P. 4-7°; B.P. 79-81°; d_4^{20} 0.777; n_D^{20} 1.426; may contain some Benzene	1 lt ≈ 0.78 kg	1 lt 12. —	5 lt 50. —



				sFr.	sFr.
29380	Cyclohexanecetic acid purum >98%(T); M.P. 29-31°; B.P. 1190-92°; store in refrigerator $\text{CH}_2(\text{CH}_2)_4\text{CHCH}_2\text{COOH}$ $\text{C}_8\text{H}_{14}\text{O}_2$ M_r 142.20 [5292-21-7]			25 g 12. —	100 g 40. —
	Cyclohexanecarbonitrile (Hexahydrobenzonitrile) 6.1/21; 66° $\text{CH}_2(\text{CH}_2)_4\text{CHCN}$ $\text{C}_7\text{H}_{11}\text{N}$ M_r 109.17 [766-05-2]				
28970	purum >98%(GC); B.P. 184-187° (Lit.); d_4^{20} 0.914; n_D^{20} 1.451	1 lt ≈ 0.91 kg	100 ml 30. —		
	Cyclohexanecarboxylic acid (Hexahydrobenzoic acid) $\text{CH}_2(\text{CH}_2)_4\text{CHCOOH}$ $\text{C}_7\text{H}_{12}\text{O}_2$ M_r 128.17 [98-89-5]				
28950	pract. ~95%(T); M.P. 23-28°; <2% Benzoic acid; store in refrigerator		250 g 17. —	1 kg 60. —	
52581	trans-Cyclohexane-1,4-dicarboxylic acid purum M.P. >300° $\text{CH}_2\text{CH}_2\text{CH}(\text{COOH})\text{CH}_2\text{CH}_2\text{CHCOOH}$ $\text{C}_8\text{H}_{12}\text{O}_4$ M_r 172.18 [619-82-9]		10 g 30. —		
29005	trans-1,2-Cyclohexanediol purum M.P. 101-103° $\text{HOCH}(\text{CH}_2)_4\text{CHOH}$ $\text{C}_6\text{H}_{12}\text{O}_2$ M_r 116.16 [1460-57-7]		5 g 17. —	25 g 70. —	
	cis-Cyclohexane-1,2-dicarboxylic anhydride see 52570 cis-Hexahydrophthalic anhydride				
	1,4-Cyclohexanedimethanol see 14910 1,4-Bis(hydroxymethyl)cyclohexane (cis + trans)				
	1,2-Cyclohexanedinitrilotetraacetic acid see 32869 trans-1,2-Diaminocyclohexane-N,N,N',N'-tetraacetic acid				
	1,3-Cyclohexanediol (cis + trans) (Hexahydroresorcinol) $\text{CH}_2\text{CH}(\text{OH})(\text{CH}_2)_3\text{CHOH}$ $\text{C}_6\text{H}_{12}\text{O}_2$ M_r 116.16 [504-01-8]				
29020	purum >98%(GC); d_4^{20} 0.842; n_D^{20} 1.475	1 lt ≈ 0.84 kg	25 g 16. —	100 g 55. —	
29040	1,4-Cyclohexanediol pract. >98%(GC); M.P. 98-102° (Hexahydrohydroquinone) $\text{HOCHCH}_2\text{CH}_2\text{CH}(\text{OH})\text{CH}_2\text{CH}_2$ $\text{C}_6\text{H}_{12}\text{O}_2$ M_r 116.16 [556-48-9]		100 g 25. —	500 g 105. —	
	1,2-Cyclohexanedione $\text{O}(\text{CH}_2)_4\text{CO}$ $\text{C}_6\text{H}_8\text{O}_2$ M_r 112.13 [765-87-7]				
29050	purum >98%(GC); M.P. 33-37°; B.P. 1072-74°; hygroscopic; store in refrigerator; Reversible modification of arginine residues in proteins: L. Patthy and E. L. Smith, J. Biol. Chem. 250, 557, 565 (1975)		10 g 38. —	50 g 160. —	
	1,3-Cyclohexanedione (Dihydroresorcinol) $\text{O}(\text{CH}_2)_2\text{COCH}_2\text{CH}_2\text{CH}_2$ $\text{C}_6\text{H}_8\text{O}_2$ M_r 112.13 [504-02-9]				
29059	purum M.P. 101-103°; Ash ~1%; store in refrigerator		25 g 12. —	100 g 40. —	
29070	1,4-Cyclohexanedione purum >98%(GC); M.P. 76-77°; store in refrigerator $\text{O}(\text{CH}_2)_2\text{CH}_2\text{COCH}_2\text{CH}_2$ $\text{C}_6\text{H}_8\text{O}_2$ M_r 112.13 [637-88-9]		10 g 25. —	50 g 105. —	
	1,2-Cyclohexanedione dioxime see 72530 Nioxime				
	Cyclohexanhexone see 91060 Triquinoyl Octahydrate				
	Cyclohexanepropionic acid (3-Cyclohexylpropionic acid) $\text{CH}_2(\text{CH}_2)_4\text{CHCH}_2\text{CH}_2\text{COOH}$ $\text{C}_9\text{H}_{16}\text{O}_2$ M_r 156.23 [701-97-3]				
29540	purum >98%(GC); M.P. 15-17°; d_4^{20} 0.999; n_D^{20} 1.466	1 lt ≈ 1.00 kg	50 ml 13. —	250 ml 55. —	
	Cyclohexanethiol see 29461 Cyclohexyl mercaptan				
	Cyclohexanol 3/4; 68° $\text{CH}_2(\text{CH}_2)_4\text{CHOH}$ $\text{C}_6\text{H}_{12}\text{O}$ M_r 100.16 [108-93-0]				
29100	puriss. p.a. >99.5%(GC); M.P. 20-22°; B.P. 1166-68°; d_4^{20} 0.947; n_D^{20} 1.466; <0.5% Cyclohexanone	1 lt ≈ 0.95 kg	100 ml 7. —	500 ml 16. —	
29105	purum >99%(GC); M.P. 18-22°; <1% Cyclohexanone	1 lt ≈ 0.95 kg	1 lt 16. —	2.5 lt 35. —	
29110	pract. >95%(GC); M.P. 15-20°; d_4^{20} 0.948; n_D^{20} 1.461; <5% Cyclohexanone	1 lt ≈ 0.95 kg	1 lt 10. —	5 lt 42. —	
	Cyclohexanone 3/3; 44° $\text{CH}_2(\text{CH}_2)_4\text{CO}$ $\text{C}_6\text{H}_{10}\text{O}$ M_r 98.15 [108-94-1]				
29140	puriss. p.a. B.P. 154-156°; d_4^{20} 0.947; n_D^{20} 1.450	1 lt ≈ 0.95 kg	100 ml 7. —	500 ml 16. —	2.5 lt 67. —
	Fluka-Guarantee:				
	Assay (GC) >99.5 %	Iron (Fe) <0.00005%			
	Water (H ₂ O) <0.5 %	Copper (Cu) <0.00001%			
	Residue on evaporation <0.05 %	Lead (Pb) <0.00001%			
	Nickel (Ni) <0.00001%	Cadmium (Cd) <0.00001%			
	Cobalt (Co) <0.00001%	Zinc (Zn) <0.00005%			
29150	purum >99%(GC); d_4^{20} 0.947; n_D^{20} 1.450	1 lt ≈ 0.95 kg	1 lt 15. —	5 lt 63. —	



			sFr.	sFr.
	Cyclohexanone ethylene ketal (1,4-Dioxaspiro[4.5]decane) 3/4; 58° C ₈ H ₁₄ O ₂ M _r 142.20 [177-10-6]			
29155	purum >98% (GC); B.P. 135-136°; d ₄ ²⁰ 1.023; n _D ²⁰ 1.457; Reagent for selective blocking of saccharides by transacetalisation: H. Paulsen, H. Salzburg, H. Redlich, Chem. Ber. 109, 3598 (1976)	1 lt ≈ 1.02 kg	25 ml 29. —	100 ml 105. —
29180	Cyclohexanone oxime purum >97% (GC); M.P. 86-89° C ₆ H ₁₁ NO M _r 113.16 [100-64-1]		100 g 7. —	500 g 24. —
29210	Cyclohexanone peroxide techn. 50% in plasticizer; store in refrigerator 5.2/a9b C ₁₂ H ₂₂ O ₆ M _r 246.31 [78-18-2]		250 g 20. —	
	Cyclohexene (Tetrahydrobenzene) 3/1a; -30° CH:CH(CH ₂) ₃ CH ₂ C ₆ H ₁₀ M _r 82.15 [110-83-8]			
29230	puriss. p.a. B.P. 82.5-83.5°; d ₄ ²⁰ 0.810; n _D ²⁰ 1.446 Fluka-Guarantee: Assay (GC) >99.5 % Lead (Pb) <0.00001% Residue on evaporation <0.005 % Cadmium (Cd) <0.00001% Iron (Fe) <0.0005 % Zinc (Zn) <0.00001% Copper (Cu) <0.00001%	1 lt ≈ 0.81 kg	100 ml 8. —	500 ml 29. —
29240	purum >99% (GC); B.P. 81.5-83.5°; d ₄ ²⁰ 0.810; n _D ²⁰ 1.446; Residue on evaporation <0.01%; stab. with 0.01% p-tert-Butylcresol	1 lt ≈ 0.81 kg	500 ml 15. —	2.5 lt 63. —
	3-Cyclohexene-1-carboxaldehyde see 87320 1,2,3,6-Tetrahydrobenzaldehyde			
	3-Cyclohexene-1-carboxylic acid (1,2,3,6-Tetrahydrobenzoic acid) CH ₂ CH:CHCH ₂ CH ₂ CHCOOH C ₇ H ₁₀ O ₂ M _r 126.16 [4771-80-6]			
29250	purum >98% (GC); M.P. 18-22°; d ₄ ²⁰ 1.08; n _D ²⁰ 1.481	1 lt ≈ 1.08 kg	25 ml 31. —	100 ml 115. —
	cis-4-Cyclohexene-1,2-dicarboximide see 87453 cis-1,2,3,6-Tetrahydrophthalimide			
	cis-4-Cyclohexene-1,2-dicarboxylic anhydride see 87460 cis-1,2,3,6-Tetrahydrophthalic anhydride			
	2-Cyclohexen-1-one 3/4 CH:CHCOCH ₂ CH ₂ CH ₂ C ₆ H ₈ O M _r 96.13 [930-68-7]			
29255	pract. >95% (GC); B.P. 171-173°; d ₄ ²⁰ 0.996; n _D ²⁰ 1.488	1 lt ≈ 1.00 kg	10 ml 20. —	50 ml 85. — 250 ml 320. —
	Cyclohexene oxide (1,2-Epoxy-cyclohexane) 3/3; 27° C ₆ H ₁₀ O M _r 98.15 [286-20-4]			
29260	purum ~99% (GC); B.P. 131-133°; d ₄ ²⁰ 0.971; n _D ²⁰ 1.452; For the dedection of small amounts of HCl; Chromatographia 12, 89 (1979)	1 lt ≈ 0.97 kg	100 ml 20. —	500 ml 85. —
	Cyclohexyl acetate 3/4; 53° CH ₃ COOCH(CH ₂) ₅ CH ₂ C ₈ H ₁₆ O ₂ M _r 142.20 [622-45-7]			
45890	purum >99% (GC); B.P. 172-175°; d ₄ ²⁰ 0.970; n _D ²⁰ 1.440	1 lt ≈ 0.97 kg	1 lt 20. —	
	Cyclohexylacetic acid see 29380 Cyclohexanecarboxylic acid			
	Cyclohexylamine (Aminocyclohexane) 8/35; 27° C ₆ H ₁₁ N M _r 99.18 [108-91-8]			
29300	puriss. p.a. >99% (GC); B.P. 134-135°; d ₄ ²⁰ 0.866; n _D ²⁰ 1.460	1 lt ≈ 0.87 kg	250 ml 10. —	1 lt 35. —
29310	purum >98% (GC); d ₄ ²⁰ 0.867; n _D ²⁰ 1.459; H ₂ O <2%	1 lt ≈ 0.87 kg	1 lt 16. —	5 lt 67. —
	2-(Cyclohexylamino)ethanesulfonic acid (CHES) C ₈ H ₁₇ NO ₃ S M _r 207.29 [103-47-9]			
29312	puriss. p.a. >99% (T); pK (20°) 9.30; useful pH-range 9.0-10.1		10 g 12. —	50 g 50. —
	3-(Cyclohexylamino) 1-propanesulfonic acid (CAPS) C ₉ H ₁₉ NO ₃ S M _r 221.32 [1135-40-6]			
29338	puriss. p.a. >99% (S); pK (20°) 10.4; useful pH-range 9.7-11.1		25 g 18. —	100 g 65. —
	N-Cyclohexylaniline see 78360 N-Phenylcyclohexylamine			
	Cyclohexylbenzene see 78320 Phenylcyclohexane			
	α-Cyclohexylbenzyl cyanid see 29476 α-Cyclohexylphenylacetonitrile			
	Cyclohexyl bromide see 16810 Bromocyclohexane			
	1-Cyclohexylbutane see 19799 Butylcyclohexane			
	Cyclohexyl carbinol see 55640 (Hydroxymethyl)cyclohexane			
	Cyclohexyl chloride see 24160 Chlorocyclohexane			



				sFr.	sFr.
	2-Cyclohexylcyclohexanone				
	$\text{CH}_2(\text{CH}_2)_4\text{CHCH}(\text{CH}_2)_4\text{CO}$ $\text{C}_{12}\text{H}_{20}\text{O}$ M_r 180.29 [24848-00-8]				
29360	pract. >98% (GC); B.P. $_{12}$ 130-132°; d_4^{20} 0.976; n_D^{20} 1.488		1 lt $\approx$ 0.98 kg	100 ml 30. —	500 ml 120. —
	N-Cyclohexyl-1,3-diaminopropane see 09300 N-(3-Aminopropyl)cyclohexylamine				
	Cyclohexyldimethylamine see 40070 N,N-Dimethylcyclohexylamine				
	2-Cyclohexylethanol [(2-Hydroxyethyl)cyclohexane]				
	3/4; 86° $\text{CH}_2(\text{CH}_2)_4\text{CHCH}_2\text{CH}_2\text{OH}$ $\text{C}_8\text{H}_{16}\text{O}$ M_r 128.22 [4442-79-9]				
29270	purum >98% (GC); B.P. 205-207°; d_4^{20} 0.921; n_D^{20} 1.466		1 lt $\approx$ 0.92 kg	100 ml 40. —	
	N-Cyclohexylethylamine see 03360 N-Ethylcyclohexylamine				
29405	N-Cyclohexylhydroxylamine purum >98% (T); M.P. 138-141°; store in refrigerator			5 g 44. —	
	$\text{CH}_2(\text{CH}_2)_4\text{CHNHOH}$ $\text{C}_6\text{H}_{13}\text{NO}$ M_r 115.18 [2211-64-5]				
	Cyclohexyl iodide see 57800 Iodocyclohexane				
	Cyclohexyl isocyanate				
	6.1/21 $\text{CH}_2(\text{CH}_2)_4\text{CHNCO}$ $\text{C}_7\text{H}_{11}\text{NO}$ M_r 125.17 [3173-53-3]				
29431	pract. >98% (GC); B.P. 170-174°; d_4^{20} 0.986; n_D^{20} 1.456; Lacrymator		1 lt $\approx$ 0.99 kg	250 ml 16. —	1 lt 60. —
	Cyclohexyl isocyanide (Isocyanocyclohexane)				
	6.1/2b $\text{CH}_2(\text{CH}_2)_4\text{CHNC}$ $\text{C}_7\text{H}_{11}\text{N}$ M_r 109.17 [931-53-3]				
29440	purum >98% (GC); B.P. 173-176°; d_4^{20} 0.89; store in refrigerator		1 lt $\approx$ 0.89 kg	5 ml 20. —	25 ml 85. —
	N-Cyclohexylisopropylamine (N-Isopropylcyclohexylamine)				
	3/3; 46° $(\text{CH}_3)_2\text{CHNHCH}(\text{CH}_2)_4\text{CH}_2$ $\text{C}_9\text{H}_{19}\text{N}$ M_r 141.26 [1195-42-2]				
29450	pract. >98% (GC); B.P. 175° (Lit.); d_4^{20} 0.84; n_D^{20} 1.448		1 lt $\approx$ 0.84 kg	100 ml 13. —	500 ml 55. —
	Cyclohexyl isothiocyanate				
	6.1/21; 95° $\text{CH}_2(\text{CH}_2)_4\text{CHNHS}$ $\text{C}_7\text{H}_{11}\text{NS}$ M_r 141.24 [1122-82-3]				
29460	purum >97% (GC); B.P. $_{10}$ 96-98°; d_4^{20} 1.033; n_D^{20} 1.536		1 lt $\approx$ 1.03 kg	100 ml 35. —	
	Cyclohexyl mercaptan (Cyclohexanethiol; Hexahydrothiophenol)				
	3/3; 41° $\text{CH}_2(\text{CH}_2)_4\text{CHSH}$ $\text{C}_6\text{H}_{12}\text{S}$ M_r 116.23 [1569-69-3]				
29461	purum >98% (GC); B.P. 157° (Lit.); d_4^{20} 0.948; n_D^{20} 1.493		1 lt $\approx$ 0.95 kg	100 ml 15. —	500 ml 63. —
	Cyclohexyl methacrylate				
	3/3; 34° $\text{CH}_2\text{:C}(\text{CH}_3)\text{COOCH}(\text{CH}_2)_4\text{CH}_2$ $\text{C}_{10}\text{H}_{16}\text{O}_2$ M_r 168.24 [101-43-9]				
64130	pract. >98% (GC); B.P. $_{10}$ 80-86°; d_4^{20} 0.964; n_D^{20} 1.458; stab. with 0.006% Hydroquinone; store in refrigerator		1 lt $\approx$ 0.96 kg	100 ml 18. —	500 ml 75. —
	Cyclohexylmethanol see 55640 (Hydroxymethyl)cyclohexane				
	N-Cyclohexylmethylamine see 66460 N-Methylcyclohexylamine				
	Cyclohexyl methyl ketone see 29465 Acetylcyclohexane				
	2-Cyclohexyl-2-methylpropane see 19810 tert-Butylcyclohexane				
	N-Cyclohexyl-N'-(2-morpholinoethyl)carbodiimide methyl-p-toluenesulfonate				
	$\text{CH}_2(\text{CH}_2)_4\text{CHN:C:NCH}_2\text{CH}_2\text{N}^+(\text{CH}_3)\text{CH}_2\text{CH}_2\text{OCH}_2\text{CH}_2\text{CH}_3\text{C}_6\text{H}_4\text{SO}_3^-$				
	$\text{C}_{14}\text{H}_{26}\text{N}_3\text{O}\cdot\text{C}_7\text{H}_7\text{O}_3\text{S}$ M_r 423.58 [2491-17-0]				
29469	puriss. biochim. >99% (N); M.P. 115-116°; Water soluble carbodiimide, CDI-fixation for immunohistochemistry, fixation of polypeptide hormones: P.A. Kendall, J.M. Polak and A.G.E. Pearse, Experientia 27, 1104 (1971); peptide synthesis in water: H. Kunz, Angew. Chem. 90, 63 (1978)				
29470	purum M.P. 110-115°			5 g 20. —	25 g 85. —
				5 g 15. —	25 g 63. —
29480	α-Cyclohexylphenylacetic acid purum >98% (T); M.P. 148-150°			25 g 22. —	100 g 80. —
	$\text{CH}_2(\text{CH}_2)_4\text{CHCH}(\text{C}_6\text{H}_5)\text{COOH}$ $\text{C}_{14}\text{H}_{18}\text{O}_2$ M_r 218.30 [3894-09-5]				
	α-Cyclohexylphenylacetoneitrile (α -Cyclohexylbenzylcyamid; α -Phenylcyclohexane acetonitrile)				
	6.1/21 $\text{C}_6\text{H}_5\text{CH}(\text{CN})\text{CH}(\text{CH}_2)_4\text{CH}_2$ $\text{C}_{14}\text{H}_{17}\text{N}$ M_r 199.30 [3893-23-0]				
29476	purum M.P. 54-56°			50 g 20. —	250 g 85. —
	Cyclohexyl phenyl ketone see 29490 Benzoylcyclohexan				
	2-Cyclohexylpropane see 59400 Isopropylcyclohexane				
	3-Cyclohexyl-1-propene see 05910 Allylcyclohexane				
	3-Cyclohexylpropionic acid see 29540 Cyclohexanepropionic acid				

			sFr.	sFr.
9550	N-Cyclohexylsulfamic acid purum >98%(T); M.P. ~180° dec. (Cyclamic acid) $\text{CH}_2(\text{CH}_2)_4\text{CHNH}_2\text{SO}_3\text{H}$ $\text{C}_6\text{H}_{11}\text{NO}_3\text{S}$ M_r 179.24 [100-88-9]		100 g 13. —	500 g 55. —
	N-Cyclohexylsulfamic acid Sodium salt see 71440 Sodium cyclohexanesulfamate			
9565	Cyclononanone purum >98%(GC); M.P. 24-26°; B.P. 220-222° 3/3; 26° $\text{CH}_2(\text{CH}_2)_7\text{CO}$ $\text{C}_9\text{H}_{18}\text{O}$ M_r 140.23 [3350-30-9]		1 g 95. —	
	1,3-Cyclooctadiene 3/3; 25° $\text{CH}:\text{CH}(\text{CH}_2)_4\text{CH}:\text{CH}$ C_8H_{12} M_r 108.18 [1700-10-3] pract. >95%(GC); B.P. 142-144°; d_4^{20} 0.873; n_D^{20} 1.494; store in refrigerator		1 lt ≈ 0.87 kg	250 ml 29. — 1 lt 105. —
9580	cis,cis-1,5-Cyclooctadiene purum >98%(GC); d_4^{20} 0.880; n_D^{20} 1.493 3/3; 32° $\text{CH}:\text{CHCH}_2\text{CH}_2\text{CH}:\text{CHCH}_2\text{CH}_2$ C_8H_{12} M_r 108.18 [1552-12-1]		1 lt ≈ 0.88 kg	250 ml 12. — 1 lt 40. —
	Cyclooctane 3/3; 28° $\text{CH}_2(\text{CH}_2)_6\text{CH}_2$ C_8H_{16} M_r 112.22 [292-64-8] purum >99%(GC); M.P. 10-13°; B.P. 147-149°; d_4^{20} 0.835; n_D^{20} 1.458		1 lt ≈ 0.84 kg	250 ml 13. — 1 lt 45. —
9620	Cyclooctanone purum >98%(GC); M.P. 30-33°; B.P. 177-79° 3/4; 73° $\text{CH}_2(\text{CH}_2)_6\text{CO}$ $\text{C}_8\text{H}_{14}\text{O}$ M_r 126.20 [502-49-8]		25 g 10. —	100 g 35. —
	Cyclooctatetraene 3/3; 22° $\text{CH}:\text{CHCH}:\text{CHCH}:\text{CHCH}:\text{CH}$ C_8H_8 M_r 104.15 [629-20-9] purum >98%(GC); M.P. -5--3°; d_4^{20} 0.921; n_D^{20} 1.537; stab. with 0.1% Hydroquinone; store in refrigerator		1 lt ≈ 0.92 kg	10 ml 50. — 50 ml 210. —
9650	Cyclooctene pract. ~95%(GC); B.P. 132-34°; d_4^{20} 0.848; n_D^{20} 1.470 3/1a; 21° $\text{CH}_2(\text{CH}_2)_5\text{CH}:\text{CH}$ C_8H_{14} M_r 110.20 [931-88-4]		1 lt ≈ 0.85 kg	250 ml 13. — 1 lt 45. —
	Cyclooctylamine (Aminocyclooctane) 3/4; 67° $\text{CH}_2(\text{CH}_2)_6\text{CHNH}_2$ $\text{C}_8\text{H}_{17}\text{N}$ M_r 127.23 [5452-37-9] purum >98%(GC); B.P. 280° (Lit.); d_4^{20} 0.903; n_D^{20} 1.482		1 lt ≈ 0.90 kg	10 ml 20. — 50 ml 85. —
9670	Cyclopentadecanone puriss. >99%(GC); M.P. 63-65° $\text{CH}_2(\text{CH}_2)_{13}\text{CO}$ $\text{C}_{15}\text{H}_{28}\text{O}$ M_r 224.39 [502-72-7]		5 g 34. —	
	Cyclopentadiene dimer see 36691 Dicyclopentadiene			
9675	Cyclopentadienylthallium(II) pract. ~97%(NT); M.P. >300° (Thallocene) $\text{C}_5\text{H}_5\text{TI}$ M_r 269.47 [34822-90-7]		Ampoule of 25 g	38. —
	Cyclopentane 3/1a; -20° $\text{CH}_2(\text{CH}_2)_3\text{CH}_2$ C_5H_{10} M_r 70.14 [287-92-3] puriss. Standard for GC; >99.5%(GC) + Cyclopentene; B.P. 48-49°; d_4^{20} 0.745; n_D^{20} 1.406 purum >99%(GC) + 2,2-Dimethyl-butane; B.P. 47-49°; d_4^{20} 0.747; n_D^{20} 1.406 pract. >97%(GC) + 2,2-Dimethyl-butane; B.P. 47-50°; d_4^{20} 0.745; n_D^{20} 1.404		1 lt ≈ 0.75 kg	10 ml 30. — 50 ml 125. — 1 lt ≈ 0.75 kg 100 ml 14. — 500 ml 60. — 1 lt ≈ 0.75 kg 100 ml 10. — 500 ml 40. —
	Cyclopentanecarbonitrile (Cyanocyclopentane; Cyclopentyl cyanide) 6.1/21; 56° $\text{CH}_2(\text{CH}_2)_3\text{CHCN}$ $\text{C}_5\text{H}_9\text{N}$ M_r 95.15 [4254-02-8] purum >98%(GC); B.P. 156-57°; d_4^{20} 0.912; n_D^{20} 1.441		1 lt ≈ 0.91 kg	10 ml 30. — 50 ml 125. —
	Cyclopentanecarboxylic acid $\text{CH}_2(\text{CH}_2)_3\text{CHCOOH}$ $\text{C}_5\text{H}_{10}\text{O}_2$ M_r 114.15 [3400-45-1] purum ~97%(GC); M.P. 3-5°; B.P. 1104° (Lit.); d_4^{20} 1.052; n_D^{20} 1.453		1 lt ≈ 1.05 kg	10 ml 22. — 50 ml 90. —
	Cyclopentanol 3/3; 51° $\text{CH}_2(\text{CH}_2)_3\text{CHOH}$ $\text{C}_5\text{H}_{10}\text{O}$ M_r 86.14 [96-41-3] puriss. >99%(GC); B.P. 139-140°; d_4^{20} 0.948; n_D^{20} 1.453		1 lt ≈ 0.95 kg	100 ml 10. — 500 ml 42. —
	Cyclopentanone 3/3; 30° $\text{CH}_2(\text{CH}_2)_3\text{CO}$ $\text{C}_5\text{H}_8\text{O}$ M_r 84.12 [120-92-3] puriss. >99.5%(GC); B.P. 129-131°; d_4^{20} 0.948; n_D^{20} 1.437 purum >99%(GC); B.P. 127-131°; d_4^{20} 0.947; n_D^{20} 1.437; H_2O <0.5%		1 lt ≈ 0.95 kg	100 ml 10. — 500 ml 37. — 1 lt ≈ 0.95 kg 250 ml 11. — 1 lt 38. —
9790	Cyclopentanone oxime purum dest. M.P. 56-58° $\text{CH}_2(\text{CH}_2)_3\text{C}:\text{NOH}$ $\text{C}_5\text{H}_9\text{NO}$ M_r 99.13 [1192-28-5]		100 g 30. —	
	Cyclopenta[def]phenanthrene see 66890 4,5-Methylenephenanthrene			

				sFr.	sFr.
29820	Cyclopentane puriss. >99.5%(GC); B.P. 44-45°; d_4^{20} 0.772; n_D^{20} 1.422 3/1a; -29° $\text{CH}_2\text{CH}_2\text{CH}_2\text{CH}:\text{CH}$ C_5H_8 M_r 68.12 [142-29-0]	1 lt $\approx$ 0.77 kg	100 ml 25. —	500 ml 105. —	
29825	4-Cyclopentene-1,3-dione (2-1.4) purum >99%(GC); M.P. 34-36°; store in refrigerator $\text{COCH}:\text{CHCOCH}_2$ $\text{C}_5\text{H}_4\text{O}_2$ M_r 96.09 [930-60-9]		1 g 25. —	5 g 105. —	
29827	2-Cyclopenten-1-one purum >98%(GC); B.P. 151-154°; d_4^{20} 1.009; n_D^{20} 1.479 3/4; 63° $\text{CH}_2\text{CH}_2\text{CH}:\text{CHCO}$ $\text{C}_5\text{H}_6\text{O}$ M_r 82.10 [930-30-3]	1 lt $\approx$ 1.01 kg	5 ml 20. —	25 ml 85. —	
	2-Cyclopenten-1-yl ether see 14695 Bis(2-cyclopenten-1-yl) ether				
	4-(1-Cyclopenten-1-yl)morpholine see 69930 1-Morpholinocyclopentene				
	Cyclopentylamine (Aminocyclopentane) 3/1a; 13° $\text{CH}_2(\text{CH}_2)_3\text{CHNH}_2$ $\text{C}_5\text{H}_{11}\text{N}$ M_r 85.15 [1003-03-8]				
29830	purum >98%(GC); B.P. 106-108°; d_4^{20} 0.862; n_D^{20} 1.450; H_2O <2%	1 lt $\approx$ 0.86 kg	50 ml 26. —	250 ml 110. —	
	Cyclopentyl bromide see 16830 Bromocyclopentane				
	Cyclopentyl chloride see 24190 Chlorocyclopentane				
	Cyclopentyl cyanide see 29720 Cyclopentanecarbonitrile				
	N-Cyclopentylmethylamine (N-Methylcyclopentylamine) 3/1a; 15° $\text{CH}_2(\text{CH}_2)_3\text{CHNHCH}_3$ $\text{C}_6\text{H}_{13}\text{N}$ M_r 99.18 [6053-81-2]				
29840	purum >97%(GC); d_4^{20} 0.845; n_D^{20} 1.446	1 lt $\approx$ 0.84 kg	25 ml 31. —		
	Nϵ-Cyclopentylloxycarbonyl-L-lysine see 81120 N ϵ -POC-L-lysine				
	1-Cyclopentylpropane see 82180 Propylcyclopentane				
	3-Cyclopentylpropionyl chloride 8/22 $\text{CH}_2(\text{CH}_2)_3\text{CHCH}_2\text{CH}_2\text{COCl}$ $\text{C}_8\text{H}_{15}\text{ClO}$ M_r 160.64 [104-97-2]				
29870	purum >98%(GC); B.P. 200-205°; d_4^{20} 1.042; n_D^{20} 1.464	1 lt $\approx$ 1.04 kg	25 ml 29. —	100 ml 105. —	
29880	Cyclopropane purum >99% 2/3b $\text{CH}_2\text{CH}_2\text{CH}_2$ C_3H_6 M_r 42.08 [75-19-4]	Cyl. with net $\approx$ 450 g 520. —	(price of gas 330. —)		
	Cyclopropanecarbonitrile (Cyanocyclopropane; Cyclopropyl cyanide) 6.1/21 $\text{CH}_2\text{CH}_2\text{CHCN}$ $\text{C}_3\text{H}_5\text{N}$ M_r 67.09 [5500-21-0]				
29910	purum >97%(GC); B.P. 134° (Lit.); d_4^{20} 0.90; n_D^{20} 1.422	1 lt $\approx$ 0.90 kg	25 ml 31. —		
	Cyclopropanecarbonyl chloride (Cyclopropanecarboxylic acid chloride) 8/22 $\text{CH}_2\text{CH}_2\text{CHCOCl}$ $\text{C}_4\text{H}_5\text{ClO}$ M_r 104.54 [4023-34-1]				
29901	purum $\sim$ 97%(GC); B.P. 120-122° (Lit.)	1 lt $\approx$ 1.20 kg	10 ml 11. —	50 ml 46. —	250 ml 200. —
29902	Cyclopropanecarboxamide pract. M.P. 120-122° $\text{CH}_2\text{CH}_2\text{CHCONH}_2$ $\text{C}_4\text{H}_7\text{NO}$ M_r 85.11 [6228-73-5]		5 g 26. —	25 g 110. —	
	Cyclopropanecarboxylic acid (Ethylene acetic acid) $\text{CH}_2\text{CH}_2\text{CHCOOH}$ $\text{C}_4\text{H}_6\text{O}_2$ M_r 86.09 [1759-53-1]				
29890	pract. $\sim$ 97%(T); M.P. 14-19°; d_4^{20} 1.085; n_D^{20} 1.437	1 lt $\approx$ 1.08 kg	25 ml 14. —	100 ml 50. —	
29915	Cyclopropane-1,1-dicarboxylic acid purum >99%(T); M.P. 136-137° $\text{CH}_2\text{CH}_2\text{C}(\text{COOH})_2$ $\text{C}_5\text{H}_6\text{O}_4$ M_r 130.10 [598-10-7]		5 g 37. —	25 g 155. —	
	Cyclopropane-1,1-dicarboxylic acid cycl-isopropylidene see 29923 cycl-Isopropylidene cyclopropane-1,1-dicarboxylate				
	Cyclopropylamine (Aminocyclopropane) 3/1a; 1° $\text{CH}_2\text{CH}_2\text{CHNH}_2$ $\text{C}_3\text{H}_7\text{N}$ M_r 57.10 [765-30-0]				
29940	purum >97%(GC); B.P. 48-50°; d_4^{20} 0.816; n_D^{20} 1.421	1 lt $\approx$ 0.82 kg	10 ml 22. —	50 ml 90. —	
29945	techn. 70-75%(GC)	1 lt $\approx$ 0.82 kg	100 ml 25. —	500 ml 105. —	
	Cyclopropyl bromide see 16840 Bromocyclopropane				
	Cyclopropyl carbinol see 55660 (Hydroxymethyl)cyclopropane				
	Cyclopropyldiphenylsulfonium-tetrafluoroborate $(\text{C}_6\text{H}_5)_2\text{S}(\text{BF}_4)\text{CHCH}_2\text{CH}_2$ $\text{C}_{15}\text{H}_{15}\text{BF}_4\text{S}$ M_r 314.16 [33462-81-6]				
29950	pract. M.P. 135-136°; Reagent for the spiroannulation of carbonyl compounds: B. M. Trost, Pure and Appl. Chem. 43, 563 (1975); B. M. Trost, Acc. Chem. Res. 7, 85 (1974)		1 g 65. —		

			sFr.	sFr.
9930	1-Cyclopropylethanol (Cyclopropyl methyl carbinol; α-Methylcyclopropanemethanol) 3/3; 37° $\text{CH}_2\text{CH}_2\text{CHCH}(\text{OH})\text{CH}_3$ $\text{C}_5\text{H}_{10}\text{O}$ M_r 86.14 [765-42-4] purum >97%(GC); B.P. 119-120° (Lit.); d_4^{20} 0.888; n_D^{20} 1.431	1 lt ≈ 0.89 kg	25 ml 40. —	
	Cyclopropyl methyl ketone see 29960 Acetylcyclopropane			
9970	N-(Cyclopropylmethyl)-propylamine $\text{CH}_2\text{CH}_2\text{CHCH}_2\text{NHCH}_2\text{CH}_2\text{CH}_3$ $\text{C}_7\text{H}_{15}\text{N}$ M_r 113.21 [26389-60-6] pract. ~95%(GC); B.P. 138-140°; d_4^{20} 0.799; n_D^{20} 1.429	1 lt ≈ 0.80 kg	250 ml 29. —	
	Cyclopropyl phenyl ketone see 29980 Benzoylcyclopropane			
0015	Cyclopropyltriphenylphosphonium bromide purum >98%(Br); M.P. 183-184° 6.1/81a $\text{CH}_2\text{CH}_2\text{CHP}(\text{Br})(\text{C}_6\text{H}_5)_3$ $\text{C}_{21}\text{H}_{20}\text{BrP}$ M_r 383.28 [14114-05-7]		5 g 18. —	25 g 75. —
0020	D-Cycloserine [(R)-4-Amino-3-isoxazolidone] $\text{CH}_2\text{ONHCOCHNH}_2$ $\text{C}_3\text{H}_6\text{N}_2\text{O}_2$ M_r 102.09 [68-41-7] purum CHR >97%(NT); M.P. ~150° dec.; $[\alpha]_{546}^{20} + 138 \pm 3^\circ$; $[\alpha]_D^{20} + 115 \pm 3^\circ$ (c = 2 in water); Ash <0.1%		5 g 24. —	25 g 100. —
0021	Cycloundecanecarboxylic acid pract. >95%(GC); d_4^{20} 1.02; n_D^{20} 1.49 $\text{CH}_2(\text{CH}_2)_9\text{CHCOOH}$ $\text{C}_{12}\text{H}_{22}\text{O}_2$ M_r 198.31 [831-67-4]	1 lt ≈ 1.02 kg	5 ml 20. —	25 ml 85. —
0023	Cycloundecanone $\text{CH}_2(\text{CH}_2)_9\text{CO}$ $\text{C}_{11}\text{H}_{20}\text{O}$ M_r 168.28 [878-13-7] puriss. >99.5%(GC); B.P. 130-132°; d_4^{20} 0.952; n_D^{20} 1.481	1 lt ≈ 0.95 kg	5 ml 60. —	
0030	Cymarine (K-Strophanthidin-D-cymaroside; K-Strophanthin-α) $\text{C}_{30}\text{H}_{44}\text{O}_9$ M_r 548.68 [508-77-0] purum M.P. ~185° dec.; $[\alpha]_{546}^{20} + 46.0 \pm 2^\circ$ (c = 2 in Ethanol)		250 mg 21. —	1 g 75. —
0040	p-Cymene (1-Isopropyl-4-methylbenzene; 4-Isopropyltoluene) 3/3; 47° $(\text{CH}_3)_2\text{CHC}_6\text{H}_4\text{CH}_3$ $\text{C}_{10}\text{H}_{14}$ M_r 134.22 [99-87-6] pract. terpene free; ~95%(GC); B.P. 176-177°; d_4^{20} 0.857; n_D^{20} 1.490	1 lt ≈ 0.86 kg	1 lt 18. —	5 lt 75. —
0050	Cystamine dihydrochloride [Decarboxycystine dihydrochloride; 2,2'-Diaminodiethyl 6.1/81g disulfide dihydrochloride; 2,2'-Dithio-bis(ethylamine) dihydrochloride] $\text{NH}_2\text{CH}_2\text{CH}_2\text{SSCH}_2\text{CH}_2\text{NH}_2 \cdot 2\text{HCl}$ $\text{C}_4\text{H}_{12}\text{N}_2\text{S}_2 \cdot 2\text{HCl}$ M_r 225.20 [56-17-7] purum >98%(Cl); M.P. 217-220° dec.		25 g 18. —	100 g 65. —
0060	DL,DL-allo-Cystathionine purum M.P. 281-282° dec. $\text{HOOCCH}(\text{NH}_2)\text{CH}_2\text{CH}_2\text{SCH}_2\text{CH}(\text{NH}_2)\text{COOH}$ $\text{C}_7\text{H}_{14}\text{N}_2\text{O}_4\text{S}$ M_r 222.26 [535-34-2]		100 mg 25. —	1 g 200. —
0070	Cysteamine (2-Aminoethanethiol; 2-Mercaptoethylamine) 6.1/81g $\text{NH}_2\text{CH}_2\text{CH}_2\text{SH}$ $\text{C}_2\text{H}_7\text{NS}$ M_r 77.15 [60-23-1] purum >98%(NT); M.P. 97-99°		10 g 30. —	50 g 125. —
0080	Cysteamine hydrochloride purum >98%(NT); M.P. 67-69° $\text{HSCH}_2\text{CH}_2\text{NH}_2 \cdot \text{HCl}$ $\text{C}_2\text{H}_7\text{NS} \cdot \text{HCl}$ M_r 113.61 [156-57-0]		25 g 18. —	100 g 65. —
0180	DL-Cysteic acid purum CHR >98%(T); M.P. 280° dec. $\text{HO}_3\text{SCH}_2\text{CH}(\text{NH}_2)\text{COOH}$ $\text{C}_3\text{H}_7\text{NO}_5\text{S}$ M_r 169.16 [13100-82-8]		5 g 20. —	25 g 85. —
0170	L-Cysteic acid Monohydrate [(R)-2-Amino-3-sulfopropionic acid] $\text{HO}_3\text{SCH}_2\text{CH}(\text{NH}_2)\text{COOH} \cdot \text{H}_2\text{O}$ $\text{C}_3\text{H}_7\text{NO}_5\text{S} \cdot \text{H}_2\text{O}$ M_r 187.17 [498-40-8] puriss. CHR; >99%(T); M.P. 275-280° dec.; $[\alpha]_{546}^{20} + 9.6 \pm 0.3^\circ$; $[\alpha]_D^{20} + 8.0 \pm 0.5^\circ$ (c = 7.4 in water)		10 g 30. —	50 g 125. —
0090	L-Cysteine puriss. p.a. (2-Amino-3-mercaptopropionic acid) $\text{HSCH}_2\text{CH}(\text{NH}_2)\text{COOH}$ $\text{C}_3\text{H}_7\text{NO}_2\text{S}$ M_r 121.16 [52-90-4] Fluka-Guarantee: Assay >99.0% Sulfate (SO_4) <0.01 % $[\alpha]_{546}^{20} + 9.00 \pm 0.5^\circ$ (c = 5 in 5n HCl) Ammonium (NH_4) <0.05 % $[\alpha]_D^{20} + 7.20 \pm 0.5^\circ$ (c = 5 in 5n HCl) Copper (Cu) <0.0001 % Other amino acids <0.3 % Lead (Pb) <0.0001 % Loss on drying <0.1 % Iron (Fe) <0.0005 % Residue on ignition <0.0001 % Zinc (Zn) <0.0001 % (as SO_4) <0.1 % Cadmium (Cd) <0.0001 % Chloride (Cl) <0.01 %		25 g 11. —	100 g 35. —
0095	D-Cysteine puriss. >99%(NT); M.P. ~230°; $[\alpha]_{546}^{20} - 9 \pm 0.5^\circ$ (c = 5 in 5n HCl) $\text{HSCH}_2\text{CH}(\text{NH}_2)\text{COOH}$ $\text{C}_3\text{H}_7\text{NO}_2\text{S}$ M_r 121.16 [921-01-7]		100 mg 28. —	1 g 225. —



			sFr.	sFr.
30097	DL-Cysteine puriss. >99%(NT); M.P. ~225° HSCH ₂ CH(NH ₂)COOH C ₃ H ₇ NO ₂ S M _r 121.16 [3374-22-9]		1 g 20.—	5 g 85.—
30100	L-Cysteine ethyl ester hydrochloride HSCH ₂ CH(NH ₂)COOC ₂ H ₅ .HCl C ₆ H ₁₁ NO ₂ S.HCl M _r 185.68 [868-59-7] puriss. >99%(T); M.P. 126-128°; [α] _D ²⁰ -15±0.8°; [α] _D ²⁰ -12.5±0.8° (c=2 in Ethanol)		25 g 20.—	100 g 70.—
30110	D-Cysteine hydrochloride anhydrous HSCH ₂ CH(NH ₂)COOH.HCl C ₃ H ₇ NO ₂ S.HCl M _r 157.62 [32443-99-5] puriss. ~99%(NT); M.P. ~185° dec.; [α] _D ²⁰ -7.5±1°; [α] _D ²⁰ -6±0.5° (c=5 in 5n HCl); store in refrigerator		250 mg 40.—	1 g 145.—
30120	L-Cysteine hydrochloride anhydrous puriss. p.a. HSCH ₂ CH(NH ₂)COOH.HCl C ₃ H ₇ NO ₂ S.HCl M _r 157.62 [52-89-1] Fluka-Guarantee: Assay >99.0% Sulfate (SO ₄) <0.01 % [α] _D ²⁰ +7.50±0.5° (c=5 in 5n HCl) Ammonium (NH ₄) <0.05 % [α] _D ²⁰ +6.00±0.5° (c=5 in 5n HCl) Copper (Cu) <0.0001 % Other amino acids <0.3 % Lead (Pb) <0.0001 % Loss on drying <0.5 % Iron (Fe) <0.0005 % Residue on ignition Zinc (Zn) <0.0001 % (as SO ₄) <0.1 % Cadmium (Cd) <0.0001 %	10 g 7.—	50 g 20.—	250 g 85.—
30130	L-Cysteine hydrochloride Monohydrate HSCH ₂ CH(NH ₂)COOH.HCl.H ₂ O C ₃ H ₇ NO ₂ S.HCl.H ₂ O M _r 175.64 [52-89-1] puriss. ~99%(RT); [α] _D ²⁰ +7.5±0.5°; [α] _D ²⁰ +6.3±0.5° (c=10 in 1n HCl)	25 g 8.—	100 g 25.—	500 g 105.—
30140	D-Cysteine hydrochloride Monohydrate HSCH ₂ CH(NH ₂)COOH.HCl.H ₂ O C ₃ H ₇ NO ₂ S.HCl.H ₂ O M _r 175.64 [32443-99-5] puriss. ~99%(RT); [α] _D ²⁰ -7.5±0.5°; [α] _D ²⁰ -6.3±0.5° (c=10 in 1n HCl); store in refrigerator		250 mg 31.—	1 g 115.—
30150	DL-Cysteine hydrochloride purum >97%(T); store in refrigerator HSCH ₂ CH(NH ₂)COOH.HCl C ₃ H ₇ NO ₂ S.HCl M _r 157.62 [10318-18-0]		1 g 10.—	5 g 42.—
30160	L-Cysteine methyl ester hydrochloride HSCH ₂ CH(NH ₂)COOCH ₃ .HCl C ₄ H ₉ NO ₂ S.HCl M _r 171.65 [18598-63-5] puriss. >99%; M.P. ~160°; [α] _D ²⁰ -2.3±0.2°; [α] _D ²⁰ -2.1±0.2° (c=10 in Methanol)		10 g 12.—	50 g 50.—
30200	L-Cystine puriss. p.a. [3,3'-Dithio bis(2-aminopropionic acid)] HOOCCH(NH ₂)CH ₂ SSCH ₂ CH(NH ₂)COOH C ₆ H ₁₂ N ₂ O ₄ S ₂ M _r 240.30 [56-89-3] Fluka-Guarantee: Assay >99.0% Chloride (Cl) <0.05 % [α] _D ²⁰ -255±10° (c=1 in 1n HCl) Sulfate (SO ₄) <0.01 % [α] _D ²⁰ -210±10° (c=1 in 1n HCl) Copper (Cu) <0.001 % Other amino acids <0.3 % Lead (Pb) <0.0001 % Loss on drying <0.1 % Iron (Fe) <0.0005 % Residue on ignition Zinc (Zn) <0.0001 % (as SO ₄) <0.1 % Cadmium (Cd) <0.0001 %	25 g 7.—	100 g 18.—	500 g 75.—
30210	D-Cystine HOOCCH(NH ₂)CH ₂ SSCH ₂ CH(NH ₂)COOH C ₆ H ₁₂ N ₂ O ₄ S ₂ M _r 240.30 [349-46-2] puriss. ~99%(NT); M.P. ~250° dec.; [α] _D ²⁰ +255±10°; [α] _D ²⁰ +210±10° (c=1 in 1n HCl)		250 mg 20.—	1 g 70.—
30220	DL-Cystine mesofree puriss. CHR HOOCCH(NH ₂)CH ₂ SSCH ₂ CH(NH ₂)COOH C ₆ H ₁₂ N ₂ O ₄ S ₂ M _r 240.30 [923-32-0]		1 g 13.—	5 g 55.—
30241	L-Cystine dibenzyl ester dihydrochloride C ₆ H ₅ CH ₂ OCOCH(NH ₂)CH ₂ SSCH ₂ CH(NH ₂)COOCH ₂ C ₆ H ₅ .2HCl C ₂₀ H ₂₄ N ₂ O ₄ S ₂ .2HCl M _r 493.47 puriss. M.P. 162-163° dec.		5 g 24.—	25 g 100.—
30242	L-Cystine dibenzyl ester ditosylate puriss. CHR C ₆ H ₅ CH ₂ OCOCH(NH ₂)CH ₂ SSCH ₂ CH(NH ₂)COOCH ₂ C ₆ H ₅ .2CH ₃ C ₆ H ₄ SO ₃ H C ₂₀ H ₂₄ N ₂ O ₄ S ₂ .C ₁₄ H ₁₆ O ₆ S ₂ M _r 764.96		5 g 24.—	25 g 100.—
30250	L-Cystine dimethyl ester dihydrochloride CH ₃ OCOCH(NH ₂)CH ₂ SSCH ₂ CH(NH ₂)COOCH ₃ .2HCl C ₈ H ₁₆ N ₂ O ₄ S ₂ .2HCl M _r 341.28 [32854-09-4] puriss. ~99%(Cl); M.P. ~177° dec.; [α] _D ²⁰ -43±1°; [α] _D ²⁰ -37±1° (c=4 in Methanol); Ash <0.05%		10 g 30.—	50 g 125.—



		sFr.	sFr.
	L-Cystine-di-2-naphthylamide $C_{10}H_7NHCOCH(NH_2)CH_2SSCH_2CH(NH_2)CONHC_{10}H_7$ $C_{26}H_{26}N_4O_2S_2$ M_r 490.65 [1259-69-4] puriss. p.a. M.P. 180-183°; $[\alpha]_{540}^{20} + 66 \pm 2^\circ$; $[\alpha]_D^{20} + 50 \pm 2^\circ$ (c = 2 in CH_3COOH)	100 mg 10. —	1 g 70. —
0260			
	Cytidine (Cytosine-1- β -D-ribofuranoside) $C_9H_{13}N_3O_5$ M_r 243.22 [65-46-3] puriss. CHR >99%(UV); M.P. $\sim 220^\circ$ dec.; $[\alpha]_{540}^{20} + 37 \pm 1^\circ$; $[\alpha]_D^{20} + 29 \pm 1^\circ$ (c = 9 in water); Ash <0.05%	5 g 12. —	25 g 50. —
0270			
	Cytidine 5'-diphosphate Trisodium salt Dihydrate (CDP- Na_3) $C_9H_{12}N_3Na_3O_{11}P_2 \cdot 2H_2O$ M_r 505.16 [34393-59-4] puriss. $[\alpha]_{540}^{20} + 19.4 \pm 1^\circ$ (c = 1 in 0.5 m Na_2HPO_4)	100 mg 30. —	500 mg 125. —
0280			
0290	Cytidine 5'-diphosphocholine Sodium salt puriss. >99% (CDP-choline-Na) $C_{14}H_{25}N_4NaO_{11}P_2$ M_r 510.32 [33818-15-4]	1 g 20. —	5 g 85. —
	Cytidine 3'(+2')-monophosphate Disodium salt see 30340 Cytidylic acid Disodium salt Cytidine 3'(+2')-monophosphoric acid see 30330 Cytidylic acid		
	Cytidine 5'-monophosphoric acid (5'-Cytidylic acid) $C_9H_{14}N_3O_8P$ M_r 323.20 [63-37-6] purum $\sim 97\%$ (T); M.P. $\sim 220^\circ$ dec.; $[\alpha]_{540}^{20} + 13 \pm 0.5^\circ$; $[\alpha]_D^{20} + 9 \pm 0.5^\circ$ (c = 1 in 0.5 m Na_2HPO_4); $H_2O \sim 3\%$	1 g 15. —	5 g 63. —
0300			
0310	Cytidine sulfate cryst. puriss. CHR $C_9H_{13}N_3O_5 \cdot \frac{1}{2}H_2SO_4$ M_r 292.26	1 g 9. —	5 g 34. —
	Cytidine 5'-triphosphate Disodium salt Dihydrate (5-CTP- H_2Na_2) $C_9H_{14}N_3Na_2O_{14}P_3 \cdot 2H_2O$ M_r 563.14 [6757-06-8] purum $[\alpha]_{540}^{20} + 11.7 \pm 1^\circ$; $[\alpha]_D^{20} + 8.0 \pm 1^\circ$ (c = 1 in 0.5 m Na_2HPO_4); store in refrigerator	100 mg 22. —	500 mg 90. —
0320			
0330	Cytidylic acid , 3'(+2')-CMP [Cytidine-3'(+2')-monophosphoric acid] $C_9H_{14}N_3O_8P$ M_r 323.20 [84-52-6] + [85-94-9] purum $\sim 98\%$ (T); M.P. $\sim 230-240^\circ$ dec.; $[\alpha]_{540}^{20} + 40 \pm 2^\circ$ (c = 1 in water); store in refrigerator	1 g 28. —	5 g 120. —
	5'-Cytidylic acid see 30300 Cytidine-5'-monophosphoric acid		
	Cytidylic acid Disodium salt , 3'(+2')-CMP- Na_2 [Cytidine-3'(+2')-monophosphate Disodium salt] $C_9H_{12}N_3Na_2O_8P$ M_r 367.16 purum $\sim 90-95\%$ (NT); $[\alpha]_{540}^{20} + 17.6 \pm 1^\circ$; $[\alpha]_D^{20} + 12.5 \pm 1^\circ$ (c = 1 in 0.5 m Na_2HPO_4); Loss on drying 5-10%	1 g 22. —	5 g 90. —
0340			
0400	Cytochrome c from Horse heart puriss. salt free $\sim 80\%$; Fe $\sim 0.4\%$; store in refrigerator $M_r \sim 13000$ [9007-43-6]	100 mg 38. —	500 mg 160. —
	Cytosine (4-Amino-2-hydroxypyrimidine) $N:C(OH)N:C(NH_2)CH:CH$ $C_4H_5N_3O$ M_r 111.10 [71-30-7] puriss. $\sim 99\%$ (NT); M.P. $>300^\circ$; λ_{max} 275 nm, ϵ 10500 (in 0.1n HCl)	1 g 8. —	5 g 29. —
0430			
	Cytosine-1-β-D-arabinofuranoside $C_9H_{13}N_3O_5$ M_r 243.22 [147-94-4] purum >98%(NT); M.P. $\sim 220^\circ$ dec.; $[\alpha]_D^{20} + 153 \pm 2^\circ$ (c = 1 in water)	100 mg 15. —	500 mg 63. —
0399			
	Cytosine deoxyriboside hydrochloride see 31010 2'-Deoxycytidine hydrochloride Cytosine-1-β-D-ribofuranoside see 30270 Cytidine 2,4-D see 36210 2,4-Dichlorophenoxyacetic acid DABITC see 39065 4-(Dimethylamino)azobenzene-4'-isothiocyanate Dabsyl chloride see 39068 4-(N,N-Dimethylamino)-azobenzene-4'-sulfonyl chloride DACM-3 see 39145 N-(7-Dimethylamino-4-methyl-3-coumarinyl)maleinimide		
0424	Dammar Resin (Gum Dammar)	1 kg 13. —	
	Dansic acid see 39230 5-Dimethylamino-1-naphthalenesulfonic acid		
0429	Dansyl-L-alanine Piperidine salt puriss. CHR; store in refrigerator $CH_3CH(COOH)NH SO_2C_{10}H_6N(CH_3)_2 \cdot C_5H_{11}N$ $C_{18}H_{18}N_2O_4S \cdot C_5H_{11}N$ M_r 407.54 [35021-10-4] (free acid)	1 g 20. —	5 g 85. —

		sFr.	sFr.
	1-Dansylamido-3-trimethylammoniumpropane iodide [(3-Dansylamidopropyl)trimethylammonium iodide] (CH ₃) ₂ NC ₁₀ H ₆ SO ₂ NH(CH ₂) ₃ N(I)(CH ₃) ₃ C ₁₈ H ₂₆ IN ₃ O ₂ S M _r 477.42 [29866-12-4]		
30428	puriss. biochim. >99% (I); M.P. 202-204°; Active-site directed equilibrium fluorescent probe: R. T. Mayer and C. M. Himel, <i>Biochemistry</i> 11, 2082 (1972)	1 g 20. —	5 g 85. —
30425	N_α-Dansyl-L-arginine puriss. HN:C(NH ₂)NH(CH ₂) ₃ CH(COOH)NHSO ₂ C ₁₀ H ₆ N(CH ₃) ₂ C ₁₈ H ₂₅ N ₅ O ₄ S M _r 407.50 [28217-22-6]	1 g 20. —	5 g 85. —
30426	Dansyl-L-asparagine Piperidine salt puriss. CHR M.P. ~195° dec. NH ₂ COCH ₂ CH(COOH)NHSO ₂ C ₁₀ H ₆ N(CH ₃) ₂ .C ₅ H ₁₁ N C ₁₆ H ₁₉ N ₃ O ₅ S.C ₅ H ₁₁ N M _r 450.56 [1100-23-8] (free acid)	1 g 20. —	5 g 85. —
30427	Dansyl-L-aspartic acid Dicyclohexylamine salt puriss. CHR M.P. 138-140° HOOCCH ₂ CH(COOH)NHSO ₂ C ₁₀ H ₆ N(CH ₃) ₂ .C ₁₂ H ₂₃ N C ₁₆ H ₁₈ N ₂ O ₆ S.C ₁₂ H ₂₃ N M _r 547.72 [1100-24-9] (free acid)	1 g 20. —	5 g 85. —
30431	Dansylaziridine [N-(5-Dimethylaminonaphthalene-1-sulfonyl)aziridine] (CH ₃) ₂ NC ₁₀ H ₆ SO ₂ NCH ₂ CH ₂ C ₁₄ H ₁₆ N ₂ O ₂ S M _r 276.40 [51908-46-4] puriss. biochim. >99% (N); M.P. 94-95°; "Fluorescent reagent which reacts selectively with protein thiols"; W. H. Scouten, R. Lubcher, W. Baugham, <i>Biochim. et Biophys. Acta</i> 336, 421 (1974)	1 g 38. —	5 g 160. —
30432	Dansylcadaverine [N-(5-Aminopentyl)-5-dimethylaminonaphthalene-1-sulfonamide] (CH ₃) ₂ NC ₁₀ H ₆ SO ₂ NH(CH ₂) ₅ NH ₂ C ₁₇ H ₂₅ N ₃ O ₂ S M _r 335.47 [30003-07-7] puriss. biochim. ~99% (NT); M.P. 137-138°; "Inhibitor of the fibrin-stabilizing factor"; J. L. G. Nilsson et al., <i>Acta Pharm. Suecica</i> 8, 497 (1971)	100 mg 20. —	1 g 160. —
30440	Dansyl-S-carboxymethyl-L-cysteine Dicyclohexylamine salt puriss. M.P. ~185° HOOCCH ₂ SCH ₂ CH(COOH)NHSO ₂ C ₁₀ H ₆ N(CH ₃) ₂ .C ₁₂ H ₂₃ N C ₁₇ H ₂₀ N ₂ O ₆ S ₂ .C ₁₂ H ₂₃ N M _r 593.81 [39801-89-3] (free acid)	1 g 20. —	5 g 85. —
	Dansyl chloride see 39220 5-Dimethylamino-1-naphthalenesulfonyl chloride		
30451	Dansyl-L-cysteic acid bis-Dicyclohexylamine salt puriss.; M.P. ~195° dec. HO ₃ SCH ₂ CH(COOH)NHSO ₂ C ₁₀ H ₆ N(CH ₃) ₂ .2C ₁₂ H ₂₃ N C ₁₅ H ₁₈ N ₂ O ₇ S ₂ .C ₂₄ H ₄₆ N ₂ M _r 765.10 [28223-61-2] (free acid)	1 g 20. —	5 g 85. —
30435	Dansyl-L-glutamine Dicyclohexylamine salt NH ₂ COCH ₂ CH ₂ CH(COOH)NHSO ₂ C ₁₀ H ₆ N(CH ₃) ₂ .C ₁₂ H ₂₃ N C ₁₇ H ₂₁ N ₃ O ₅ S.C ₁₂ H ₂₃ N M _r 560.76 [1001-67-3] (free acid) puriss. CHR >99% (NT); M.P. 200-202° dec.	1 g 20. —	5 g 85. —
30436	Dansyl-L-glutamic acid Dicyclohexylamine salt puriss. CHR M.P. 166-168° HOOCCH ₂ CH ₂ CH(COOH)NHSO ₂ C ₁₀ H ₆ N(CH ₃) ₂ .C ₁₂ H ₂₃ N C ₁₇ H ₂₀ N ₂ O ₆ S.C ₁₂ H ₂₃ N M _r 561.75 [38063-04-6]	1 g 20. —	5 g 85. —
30433	Dansyl glycine Piperidine salt puriss. CHR; >99% (N); M.P. 158-159°; store in refrigerator HOOCCH ₂ NHSO ₂ C ₁₀ H ₆ N(CH ₃) ₂ .C ₅ H ₁₁ N C ₁₄ H ₁₆ N ₂ O ₄ S.C ₅ H ₁₁ N M _r 393.51 [1091-85-6] (free acid)	1 g 20. —	5 g 85. —
30442	N_α-Dansyl-L-histidine Hemihydrate puriss. p.a.; M.P. ~255° dec. NHCH:NCH:CH ₂ CH(COOH)NHSO ₂ C ₁₀ H ₆ N(CH ₃) ₂ .0.5H ₂ O C ₁₈ H ₂₀ N ₄ O ₄ S.0.5H ₂ O M _r 397.46 [7293-13-2]	1 g 20. —	5 g 85. —
30434	Dansyl hydrazine (5-Dimethylaminonaphthalene-1-sulfonylhydrazide) (CH ₃) ₂ NC ₁₀ H ₆ SO ₂ NHNH ₂ C ₁₂ H ₁₅ N ₃ O ₂ S M _r 265.34 [33008-06-9] purum ~99% (T); M.P. 125-127°; "Fluorometric reagent for carbonyl compounds"; R. Chayen et al., <i>Anal. Biochem.</i> 42, 283 (1971)	1 g 25. —	5 g 105. —
30437	Dansyl-L-isoleucine Piperidine salt CH ₃ CH ₂ CH(CH ₃)CH(COOH)NHSO ₂ C ₁₀ H ₆ N(CH ₃) ₂ .C ₅ H ₁₁ N C ₁₈ H ₂₄ N ₂ O ₄ S.C ₅ H ₁₁ N M _r 449.62 [1100-21-6] (free acid) puriss. CHR >99% (N); M.P. 140-142°; store in refrigerator	1 g 20. —	5 g 85. —
30438	Dansyl-L-leucine Piperidine salt (CH ₃) ₂ CHCH ₂ CH(COOH)NHSO ₂ C ₁₀ H ₆ N(CH ₃) ₂ .C ₅ H ₁₁ N C ₁₈ H ₂₄ N ₂ O ₄ S.C ₅ H ₁₁ N M _r 449.62 [1100-22-7] (free acid) puriss. CHR >99% (N); M.P. 161-163°; store in refrigerator	1 g 20. —	5 g 85. —

		sFr.	sFr.
0439	di-Dansyl-L-lysine Dicyclohexylamine salt puriss. (CH ₃) ₂ NC ₁₀ H ₆ SO ₂ NH(CH ₂) ₄ CH(COOH)NHSO ₂ C ₁₀ H ₆ N(CH ₃) ₂ .C ₁₂ H ₂₃ N C ₃₀ H ₃₆ N ₄ O ₆ S ₂ .C ₁₂ H ₂₃ N M _r 794.09	1 g 20. —	5 g 85. —
	Dansyl-L-methionine Piperidine salt CH ₃ SCH ₂ CH ₂ CH(COOH)NHSO ₂ C ₁₀ H ₆ N(CH ₃) ₂ .C ₅ H ₁₁ N C ₁₇ H ₂₂ N ₂ O ₄ S ₂ .C ₅ H ₁₁ N M _r 467.64 [17039-58-6] (free acid)		
0441	puriss. CHR >99% (N); M.P. 171-172°; store in refrigerator	1 g 20. —	5 g 85. —
0443	Dansyl-L-phenylalanine Piperidine salt puriss. CHR >99% (N); M.P. 176-179° C ₆ H ₅ CH ₂ CH(COOH)NHSO ₂ C ₁₀ H ₆ N(CH ₃) ₂ .C ₅ H ₁₁ N C ₂₁ H ₂₂ N ₂ O ₄ S.C ₅ H ₁₁ N M _r 483.64 [1104-36-5] (free acid)	1 g 20. —	5 g 85. —
0444	Dansyl-L-proline Piperidine salt puriss. CHR >99% (N); M.P. 155-157° (CH ₃) ₂ NC ₁₀ H ₆ SO ₂ N(CH ₂) ₃ CHCOOH.C ₅ H ₁₁ N C ₁₇ H ₂₀ N ₂ O ₄ S.C ₅ H ₁₁ N M _r 433.57 [1239-94-7] (free acid)	1 g 20. —	5 g 85. —
0445	Dansyl-L-serine Piperidine salt puriss. CHR >99% (N); M.P. 200-202° dec. HOCH ₂ CH(COOH)NHSO ₂ C ₁₀ H ₆ N(CH ₃) ₂ .C ₅ H ₁₁ N C ₁₅ H ₁₈ N ₂ O ₅ S.C ₅ H ₁₁ N M _r 423.54 [35021-12-6] (free acid)	1 g 20. —	5 g 85. —
0446	Dansyl-L-threonine Piperidine salt puriss. CHR >99% (N); M.P. 170-172° CH ₃ CH(OH)CH(COOH)NHSO ₂ C ₁₀ H ₆ N(CH ₃) ₂ .C ₅ H ₁₁ N C ₁₆ H ₂₀ N ₂ O ₅ S.C ₅ H ₁₁ N M _r 437.56 [35021-16-0] (free acid)	1 g 20. —	5 g 85. —
0447	N_α-Dansyl-L-tryptophan Piperidine salt puriss. CHR ~99% (N); M.P. 100-102° dec. C ₆ H ₄ NHCH:CCH ₂ CH(COOH)NHSO ₂ C ₁₀ H ₆ N(CH ₃) ₂ .C ₅ H ₁₁ N C ₂₃ H ₂₃ N ₃ O ₄ S.C ₅ H ₁₁ N M _r 522.67 [19461-29-1] (free acid)	1 g 20. —	5 g 85. —
0448	Dansyl-L-tyrosine puriss. HOC ₆ H ₄ CH ₂ CH(COOH)NHSO ₂ C ₁₀ H ₆ N(CH ₃) ₂ C ₂₁ H ₂₂ N ₂ O ₅ S M _r 414.48 [52107-47-8]	1 g 20. —	5 g 85. —
	Dansyl-L-valine Piperidine salt (CH ₃) ₂ CHCH(COOH)NHSO ₂ C ₁₀ H ₆ N(CH ₃) ₂ .C ₅ H ₁₁ N C ₁₇ H ₂₂ N ₂ O ₄ S.C ₅ H ₁₁ N M _r 435.59 [1098-50-6] (free acid)		
0449	puriss. CHR ~99% (N); M.P. 140-141°; store in refrigerator	1 g 20. —	5 g 85. —
	Danthron see 37500 1,8-Dihydroxyanthraquinone		
	DATA-Secretin see 31193 Desaminotyrosyl-β-alanyl secretine		
	DBN see 33471 1,5-Diazabicyclo[4.3.0]non-5-ene		
	DBPC see 34750 2,6-Di-tert-butyl-p-cresol		
	DBU see 33482 1,5-Diazabicyclo[5.4.0]undec-5-ene		
	DCTFA see 36510 1,3-Dichloro-1,1,3,3-tetrafluoro-2-propanone		
	o,p-DDD see 25925 1-(2-Chlorophenyl)-1-(4-chlorophenyl)-2,2-dichloroethane		
	DDQ see 35680 2,3-Dichloro-5,6-dicyano-1,4-benzoquinone		
	DDT see 14685 1,1-Bis-(4-chlorophenyl)-2,2,2-trichloroethane		
	Ddz-hydrazide see 38754 3,5-Dimethoxy-α,α-dimethylbenzyloxycarbonyl hydrazide		
0452	Decabromodiphenyl ether purum >99% (Br); M.P. 294-296° (Pentabromophenyl ether) C ₆ Br ₅ OC ₆ Br ₅ C ₁₂ Br ₁₀ O M _r 959.22 [1163-19-5]	250 g 26. —	1 kg 95. —
	Decafluoropropionic anhydride (Perfluoropropionic anhydride; PFPA) 8/21 (CF ₃ CF ₂ CO) ₂ O C ₆ F ₁₀ O ₃ M _r 310.05 [356-42-3]		
77292	pract. ~95% (GC); B.P. 70-72°; d ₄ ²⁰ 1.588	1 lt ≈ 1.59 kg	5 ml 29. — 25 ml 120. —
	Decahydronaphthalene (cis + trans) (Decalin) 3/4; 58° C ₁₀ H ₁₈ M _r 138.26 [91-17-8]		
0490	purum >98% (GC); <2% Tetrahydronaphthalene; B.P. 187-188° (Lit.); d ₄ ²⁰ 0.886; n _D ²⁰ 1.476	1 lt ≈ 0.89 kg	1 lt 14. — 5 lt 60. —
	cis-Decahydronaphthalene (cis-Decalin) 3/4; 58° C ₁₀ H ₁₈ M _r 138.26 [493-01-6]		
0500	purum >98% (GC); B.P. 192-194°; d ₄ ²⁰ 0.896; n _D ²⁰ 1.481	1 lt ≈ 0.90 kg	50 ml 20. — 250 ml 85. —
	trans-Decahydronaphthalene (trans-Decalin) 3/4; 58° C ₁₀ H ₁₈ M _r 138.26 [493-02-7]		
0510	purum >99% (GC); B.P. 185-186°; d ₄ ²⁰ 0.870; n _D ²⁰ 1.469	1 lt ≈ 0.87 kg	10 ml 12. — 50 ml 50. —

				sFr.	
30515	1,5-Decalindiol pract. mixture of Stereoisomers; M.P. 130-180° $C_{10}H_{18}O_2$ M_r 170.25 [53044-59-0]			10 g 18. —	50 g
30520	Decamethonium bromide [Decane-1,10-bis(trimethylammonium bromide)] $(CH_3)_3N(Br)(CH_2)_{10}N(Br)(CH_3)_3$ $C_{16}H_{38}Br_2N_2$ M_r 418.31 [541-22-0] purum >98% (Br); M.P. ~270° dec.			5 g 22. —	25 g
30530	Decamethonium iodide [Decane-1,10-bis(trimethylammonium iodide)] $(CH_3)_3N(I)(CH_2)_{10}N(I)(CH_3)_3$ $C_{16}H_{38}I_2N_2$ M_r 512.30 [1420-40-2] purum >98% (I); M.P. 246-248°			10 g 25. —	50 g
Decamethylenediamine see 32880 1,10-Diaminodecane					
Decamethylene dibromide see 34110 1,10-Dibromodecane					
Decamethylene diiodide see 38010 1,10-Diiododecane					
Decamethylene glycol see 30580 1,10-Decanediol					
21400	Decanal (Aldehyde C_{10} ; Decyl aldehyde) 3/4; 83° $CH_3(CH_2)_8CHO$ $C_{10}H_{20}O$ M_r 156.27 [112-31-2] purum >98% (GC); B.P. 193-95°; d_4^{20} 0.826; n_D^{20} 1.432; containing <2% Decanoic acid			1 lt ≈ 0.83 kg	25 ml 8. — 100 ml
30540	Decane (Alkane C_{10}) 3/3; 46° $CH_3(CH_2)_8CH_3$ $C_{10}H_{22}$ M_r 142.29 [124-18-5] puriss. Standard for GC; >99.5% (GC) + Cycloparaffins; B.P. 173-174°; d_4^{20} 0.730; n_D^{20} 1.412			1 lt ≈ 0.73 kg	5 ml 21. — 25 ml
30550	purum olefin free >99% (GC); B.P. 171-174°; d_4^{20} 0.730; n_D^{20} 1.412			1 lt ≈ 0.73 kg	100 ml 15. — 500 ml
30560	pract. >95% (GC) + Cycloparaffins; B.P. 171-175°; d_4^{20} 0.73; n_D^{20} 1.412			1 lt ≈ 0.73 kg	500 ml 26. — 2.5 lt
30570	Decane Fraction purum B.P. 171-177°; d_4^{20} 0.751; n_D^{20} 1.425-1.428 3/3; 46°			1 lt ≈ 0.75 kg	1 lt 12. — 5 lt
Decane-1,10-bis(trimethylammonium bromide) see 30520 Decamethonium bromide					
Decane-1,10-bis(trimethylammonium iodide) see 30530 Decamethonium iodide					
Decane-1,10-dicarboxylic acid see 44050 Dodecanoic acid					
Decanedioic acid see 84809 Sebacic acid					
30580	1,10-Decanediol purum M.P. 71-73° (Decamethylene glycol) $HO(CH_2)_{10}OH$ $C_{10}H_{22}O_2$ M_r 174.29 [112-47-0]			100 g 18. —	500 g
21495	Decanenitrile purum >99% (GC); B.P. 241-243°; d_4^{20} 0.816; n_D^{20} 1.429 6.1/21 $CH_3(CH_2)_8CN$ $C_{10}H_{19}N$ M_r 153.27 [1975-78-6]			1 lt ≈ 0.82 kg	50 ml 20. — 250 ml
30635	Decanesulfonic acid Sodium salt Monohydrate $CH_3(CH_2)_8CH_2SO_3Na \cdot H_2O$ $C_{10}H_{21}NaO_3S \cdot H_2O$ M_r 262.35 [13419-61-9] purum >99% (T); for Ion-Pair-Chromatography; M.P. >300°; 1 g clearly and colourless soluble in 20 ml H_2O			5 g 29. —	
30640	1-Decanethiol (Decylmercaptan; Mercaptan C_{10}) 6.1/81a $CH_3(CH_2)_9SH$ $C_{10}H_{22}S$ M_r 174.35 [143-10-2] pract. >95% (GC); B.P. 113-114°; d_4^{20} 0.847; n_D^{20} 1.458			1 lt ≈ 0.85 kg	50 ml 20. — 250 ml
Decanoic acid see 21409 Capric acid					
30600	1-Decanol (Alcohol C_{10}) 3/4; 82° $CH_3(CH_2)_9OH$ $C_{10}H_{22}O$ M_r 158.29 [112-30-1] puriss. >99% (GC); M.P. 6-8°; B.P. 118-119°; d_4^{20} 0.829; n_D^{20} 1.437			1 lt ≈ 0.83 kg	100 ml 9. — 500 ml
30610	purum >98% (GC); M.P. 6-8°; B.P. 228-232°; d_4^{20} 0.829; n_D^{20} 1.437			1 lt ≈ 0.83 kg	1 lt 16. — 5 lt
30620	2-Decanol (Methyl octyl carbinol) 3/4; 80° $CH_3(CH_2)_7CH(OH)CH_3$ $C_{10}H_{22}O$ M_r 158.29 [1120-06-5] purum >98% (GC); M.P. -6--4°; B.P. 110-112°; d_4^{20} 0.823; n_D^{20} 1.434			1 lt ≈ 0.82 kg	25 ml 26. —
30630	5-Decanol (Butyl pentyl carbinol) 3/4 $CH_3(CH_2)_4CH(OH)(CH_2)_3CH_3$ $C_{10}H_{22}O$ M_r 158.29 [5205-34-5] purum >98% (GC); B.P. 212-214°; d_4^{20} 0.824; n_D^{20} 1.433			1 lt ≈ 0.82 kg	10 ml 40. —

			sFr.	sFr.
2-Decanone (Methyl octyl ketone)				
3/4; 86°	$\text{CH}_3(\text{CH}_2)_7\text{COCH}_3$ $\text{C}_{10}\text{H}_{20}\text{O}$ M_r 156.27 [693-54-9]			
	pract. 90-95% (GC); M.P. 1-3°; B.P. 209-212°; d_4^{20} 0.823; n_D^{20} 1.426	1 lt $\approx$ 0.82 kg	25 ml 24. —	100 ml 90. —
3-Decanone (Ethyl heptyl ketone)				
3/4; 81°	$\text{CH}_3(\text{CH}_2)_5\text{COC}_2\text{H}_5$ $\text{C}_{10}\text{H}_{20}\text{O}$ M_r 156.27 [928-80-3]			
	pract. $\sim$ 95% (GC); B.P. 200-210° d_4^{20} 0.83	1 lt $\approx$ 0.83 kg	25 ml 16. —	100 ml 55. —
4-Decanone pract. (Hexyl propyl ketone)		1 lt $\approx$ 0.83 kg	25 ml 17. —	100 ml 60. —
3/4; 76°	$\text{CH}_3(\text{CH}_2)_5\text{COCH}_2\text{CH}_2\text{CH}_3$ $\text{C}_{10}\text{H}_{20}\text{O}$ M_r 156.27 [624-16-8]			
Decanoyl chloride (Capric acid chloride)				
8/22	$\text{CH}_3(\text{CH}_2)_8\text{COCl}$ $\text{C}_{10}\text{H}_{19}\text{ClO}$ M_r 190.72 [112-13-0]			
	purum $\sim$ 99% (GC); B.P. 119-121°; d_4^{20} 0.93; n_D^{20} 1.441	1 lt $\approx$ 0.93 kg	100 ml 14. —	500 ml 60. —
	pract. >95% (GC); d_4^{20} 0.93	1 lt $\approx$ 0.93 kg	250 ml 14. —	1 lt 50. —
Decarboxycystine dihydrochloride	see 30050 Cystamine dihydrochloride			
1-Decene				
3/3; 44°	$\text{CH}_3(\text{CH}_2)_7\text{CH}=\text{CH}_2$ $\text{C}_{10}\text{H}_{20}$ M_r 140.27 [872-05-9]			
	purum >98% (GC); B.P. 166-171°; d_4^{20} 0.741; n_D^{20} 1.421	1 lt $\approx$ 0.74 kg	100 ml 25. —	500 ml 105. —
	pract. $\sim$ 95% (GC); d_4^{20} 0.741; n_D^{20} 1.422	1 lt $\approx$ 0.74 kg	1 lt 22. —	5 lt 90. —
trans-4-Decene puriss. $\sim$ 99% (GC); B.P. 168-170°; d_4^{20} 0.740; n_D^{20} 1.424		1 lt $\approx$ 0.74 kg	5 ml 20. —	25 ml 85. —
3/3; 45°	$\text{CH}_3(\text{CH}_2)_4\text{CH}=\text{CHCH}_2\text{CH}_2\text{CH}_3$ $\text{C}_{10}\text{H}_{20}$ M_r 140.27 [19398-89-1]			
Decyl aldehyde	see 21400 Decanal			
Decylamine (Amine C_{10} ; 1-Aminodecane)				
3/4; 89°	$\text{CH}_3(\text{CH}_2)_9\text{NH}_2$ $\text{C}_{10}\text{H}_{23}\text{N}$ M_r 157.30 [2016-57-1]			
	puriss. $\sim$ 99% (GC); M.P. 15-17°; B.P. 119-121°; d_4^{20} 0.792; n_D^{20} 1.436	1 lt $\approx$ 0.79 kg	100 ml 20. —	500 ml 85. —
	pract. $\sim$ 95% (GC); M.P. 13-15°	1 lt $\approx$ 0.79 kg	250 ml 18. —	1 lt 65. —
Decyl bromide	see 16850 1-Bromodecane			
Decyl cyanide	see 94130 Undecanenitrile			
Decyl iodide	see 57820 1-Iododecane			
Decyl mercaptan	see 30640 1-Decanethiol			
Decyl methyl carbinol	see 44121 2-Dodecanol			
Decyl methyl ketone	see 30720 2-Dodecanone			
1-Decyne				
3/3; 48°	$\text{CH}_3(\text{CH}_2)_7\text{C}\equiv\text{CH}$ $\text{C}_{10}\text{H}_{18}$ M_r 138.26 [764-93-2]			
	purum >98% (GC); B.P. 173-175°; d_4^{20} 0.768; n_D^{20} 1.427; store in refrigerator	1 lt $\approx$ 0.77 kg	5 ml 21. —	25 ml 90. —
Degalan V 26°				
	stationary phase for the cell fractioning with column chromatography; Scand. J. of Immunology 1, 75-87 (1972); Cellular Immunology 5, 171-179 (1972)		10 g 7. —	50 g 24. —
(+)-Dehydroabietylamine				
8/35	$\text{C}_{20}\text{H}_{31}\text{N}$ M_r 285.48 [1446-61-3]			
	pract. $\sim$ 90% (NT); $[\alpha]_{546}^{20} + 51.5 \pm 1.5^\circ$; $[\alpha]_D^{20} + 43.0 \pm 1.5^\circ$ (c = 1 in Ethanol)		100 g 20. —	500 g 85. —
(+)-Dehydroabietylamine acetate				
	$\text{C}_{20}\text{H}_{31}\text{N} \cdot \text{CH}_3\text{COOH}$ M_r 345.53 [2026-24-6]			
	purum >99% (NT); M.P. 142-143°; $[\alpha]_{546}^{20} + 36 \pm 1^\circ$; $[\alpha]_D^{20} + 30 \pm 1^\circ$ (c = 1 in Ethanol)		100 g 25. —	500 g 105. —
Dehydroacetic acid [3-Acetyl-6-methyl-2H-pyran-2,4-(3H)-dione]				
	$\text{QCOC}(\text{COCH}_3):\text{C}(\text{OH})\text{CH}:\text{CCH}_3$ $\text{C}_8\text{H}_6\text{O}_4$ M_r 168.15 [771-03-9]			
	purum >98% (T); M.P. 109-111°		100 g 9. —	500 g 32. —
Dehydroacetic acid Sodium salt purum >99% (NT)			100 g 13. —	500 g 55. —
	$\text{C}_8\text{H}_7\text{NaO}_4$ M_r 190.13 [520-45-6]			

30760	trans-Dehydroandrosterone (5-Androsten-3 β -ol-17-one; Dehydroepiandrosterone; Dehydroisoandrosterone; 3 β -Hydroxy-5-androsten-17-one) C ₁₉ H ₂₈ O ₂ M _r 288.43 [53-43-0] puriss. p.a. M.P. 148-150°; $[\alpha]_{546}^{20} + 20 \pm 1^\circ$; $[\alpha]_D^{20} + 14 \pm 1^\circ$ (c = 3 in Ethanol); Standard for chromatographic and photometric analysis	25 mg	31. —	
		1 g	8. —	25 g 120. —
30770	purum M.P. 147-149°; $[\alpha]_{546}^{20} + 19.5 \pm 1^\circ$; $[\alpha]_D^{20} + 12.5 \pm 1^\circ$ (c = 3 in Ethanol)		5 g 29. —	
30790	Dehydro-L(+) -ascorbic acid HOCH ₂ CH(OH)CHCOCOCO ₂ C ₆ H ₆ O ₆ M _r 174.11 [490-83-5] purum >97% (RT); M.P. ~220-225° dec.	250 mg	20. —	10 g 400. —
		1 g	70. —	
30800	7-Dehydrocholesterol (5,7-Cholestadien-3 β -ol; Provitamin D ₃) C ₂₇ H ₄₄ O M _r 384.65 [434-16-2] purum ~98% (HPLC); M.P. 147-150°; $[\alpha]_{546}^{20} - 150 \pm 5^\circ$ (c = 1 in Chlf.); oxidizes easily; protect against light; store in refrigerator	5 g	11. —	25 g 46. —
	7-Dehydrocholesterol activated see 95230 Vitamin D ₃			
30830	Dehydrocholic acid (3,7,12-Trioxo-5 β -cholanic acid) C ₂₄ H ₃₄ O ₅ M _r 402.54 [81-23-2] puriss. M.P. 239-241°; $[\alpha]_{546}^{20} + 29.5 \pm 1^\circ$; $[\alpha]_{546}^{20} + 25.0 \pm 1^\circ$ (c = 1 in Ethanol)	50 g	25. —	
30850	Dehydrocholic acid Sodium salt (Sodium dehydrocholate; 3,7,12-Trioxo-5 β -cholanic acid Sodium salt) C ₂₄ H ₃₃ NaO ₅ M _r 424.52 [145-41-5] purum ~97% (NT); $[\alpha]_{546}^{20} + 29 \pm 2^\circ$; $[\alpha]_{546}^{20} + 23 \pm 2^\circ$ (c = 1 in water)	25 g	21. —	100 g 75. —
30860	11-Dehydrocorticosterone (4-Pregnen-21-ol-3,11,20-trione) C ₂₁ H ₂₈ O ₄ M _r 344.46 [72-23-1] purum M.P. ~175°; $[\alpha]_{546}^{20} + 350 \pm 10^\circ$; $[\alpha]_D^{20} + 280 \pm 10^\circ$ (c = 1 in Benzene)	250 mg	29. —	1 g 105. —
	Dehydroepiandrosterone see 30760 trans-Dehydroandrosterone			
	Dehydroisoandrosterone see 30760 trans-Dehydroandrosterone			
	Demecolcine see 27645 Colcemide for diagnostic use			
30920	2'-Deoxyadenosine (Adenine deoxyriboside; 9-(2-Deoxy- β -D-ribofuranosyl)adenine) C ₁₀ H ₁₃ N ₅ O ₃ ·H ₂ O M _r 269.26 [958-09-8] puriss. CHR ~99% (HPLC); M.P. 187-189°; $[\alpha]_{546}^{20} - 31 \pm 1^\circ$; $[\alpha]_D^{20} - 25 \pm 1^\circ$ (c = 0.5 in water); store in refrigerator	1 g	38. —	5 g 160. —
30930	2'-Deoxyadenosine 5'-monophosphate Diammonium salt (Deoxyadenylic acid Diammonium salt) C ₁₀ H ₂₀ N ₇ O ₆ P·2H ₂ O M _r 401.33 [43157-18-2] purum $[\alpha]_{546}^{20} - 37.7 \pm 2^\circ$ (c = 1 in 0.5 m Na ₂ HPO ₄)	100 mg	28. —	1 g 225. —
	2-Deoxy-D-arabino-hexose see 31060 2-Deoxy-D-glucose			
30950	Deoxybenzoin C ₆ H ₅ COCH ₂ C ₆ H ₅ C ₁₄ H ₁₂ O M _r 196.25 [45i-40-1] purum >98% (HPLC); M.P. 54-55°; 1 g clearly and colourless soluble in 10 ml water; store in refrigerator	25 g	13. —	100 g 45. —
30960	Deoxycholic acid (3 α ,12 α -Dihydroxy-5 β -cholanic acid) C ₂₄ H ₄₀ O ₄ M _r 392.58 [83-44-3] purum ~99% (T); M.P. 170-173°; $[\alpha]_{546}^{20} + 64 \pm 1^\circ$; $[\alpha]_D^{20} + 54 \pm 1^\circ$ (c = 1 in Ethanol); ~1% Cholic acid	25 g	21. —	100 g 75. —
30970	Deoxycholic acid Sodium salt (3 α ,12 α -Dihydroxy-5 β -cholanic acid Sodium salt; Sodium deoxycholate) C ₂₄ H ₃₉ NaO ₄ M _r 414.57 [320-95-4] purum >97% (NT); $[\alpha]_{546}^{20} + 50 \pm 2^\circ$; $[\alpha]_D^{20} + 44 \pm 2^\circ$ (c = 2 in water); <2% Cholic acid	25 g	14. —	100 g 50. —
30990	11-Deoxycorticosterone (Cortexone; 21-Hydroxyprogesterone; 4-Pregnen-21-ol-3,20-dione; "Reichstein Q") C ₂₁ H ₃₀ O ₃ M _r 330.47 [64-85-7] purum >98% (HPLC); M.P. 139-141°; $[\alpha]_{546}^{20} + 223 \pm 2^\circ$; $[\alpha]_D^{20} + 183 \pm 2^\circ$ (c = 1 in Ethanol)	1 g	20. —	5 g 80. —
31000	11-Deoxycorticosterone acetate (21-Acetoxy-4-pregnene-3,20-dione) C ₂₃ H ₃₂ O ₄ M _r 372.51 [56-47-3] purum U.S.P. >99% (HPLC); M.P. 157-159°; $[\alpha]_{546}^{20} + 213 \pm 2^\circ$; $[\alpha]_D^{20} + 175 \pm 2^\circ$ (c = 1 in Dioxane)	1 g	22. —	5 g 90. —

		sFr.	sFr.
010	2'-Deoxycytidine hydrochloride [Cytosine deoxyriboside hydrochloride; 1-(2-Deoxy-β-D-ribofuranosyl)cytosine] $C_9H_{13}N_3O_4 \cdot HCl$ M_r 263.68 [3992-43-5] purum CHR >98% (Cl); M.P. 168-170° dec.; $[\alpha]_{540}^{20} + 70 \pm 3^\circ$; $[\alpha]_D^{20} + 57 \pm 3^\circ$ (c = 1 in water); store in refrigerator	250 mg 18. —	1 g 65. —
030	2'-Deoxycytidine-5'-monophosphoric acid (Deoxycytidylic acid) $C_9H_{14}N_3O_7P$ M_r 307.20 [1032-65-1] purum ~90% (UV); M.P. 170-172° dec.; $[\alpha]_{540}^{20} + 42 \pm 1^\circ$; $[\alpha]_D^{20} + 33 \pm 1^\circ$ (c = 0.2 in water); store in refrigerator	250 mg 26. —	1 g 95. —
	2-Deoxy-D-erythropentose see 31170 2-Deoxy-D-ribose		
050	2-Deoxy-D-galactose (2-Deoxy-D-lyxohexose) $HOCH_2CH(CHOH)_2CH_2CH(OH)O$ $C_6H_{12}O_6$ M_r 164.16 [1949-89-9] purum >98% (C, H-Analysis); M.P. 106-108°; $[\alpha]_{540}^{20} + 68 \pm 1^\circ$; $[\alpha]_D^{20} + 58 \pm 1^\circ$ (c = 1 in water)	500 mg 20. —	
	6-Deoxy-L-galactose see 47870 L(-)-Fucose		
	6-Deoxy-D-galactose see 47880 D(+)-Fucose		
060	2-Deoxy-D-glucose (2-Deoxy-D-arabinohexose) $HOCH_2CH(CHOH)_2CH_2CH(OH)O$ $C_6H_{12}O_6$ M_r 164.16 [154-17-6] puriss. >98% (C, H-Analysis); M.P. 145-148°; $[\alpha]_{540}^{20,45'} + 54.0 \pm 1^\circ$; $[\alpha]_D^{20,45'} + 46 \pm 1^\circ$ (c = 0.5 in water)	1 g 13. —	5 g 55. —
070	2'-Deoxyguanosine [9-(2-Deoxy-β-D-ribofuranosyl)guanine; Guanine deoxyriboside] $C_{10}H_{13}N_5O_4$ M_r 267.25 [961-07-9] puriss. CHR >99% (UV); M.P. >300°; $[\alpha]_{540}^{20} - 41 \pm 1^\circ$; $[\alpha]_D^{20} - 32 \pm 1^\circ$ (c = 0.5 in water)	250 mg 18. —	1 g 65. —
080	2'-Deoxyguanosine 5'-monophosphate Disodium salt (Deoxyguanylic acid Disodium salt) $C_{10}H_{12}N_5Na_2O_7P$ M_r 391.19 [33430-61-4] puriss. ~80% (NT); containing ~20% water; $[\alpha]_{540}^{20} - 47 \pm 2^\circ$; $[\alpha]_D^{20} - 41 \pm 2^\circ$ (c = 1 in 0.05 m Na_2HPO_4); store in refrigerator	100 mg 12. —	500 mg 95. —
100	11-Deoxy-17α-hydroxycorticosterone (17α-Hydroxy-11-deoxycorticosterone; 4-Pregnene-17α,21-diol-3,20-dione; "Reichstein S") $C_{21}H_{30}O_4$ M_r 346.47 [152-58-9] purum >98% (HPLC); M.P. 208-210°; $[\alpha]_{540}^{20} + 150 \pm 2^\circ$ (c = 1 in $CHCl_3$)	1 g 11. —	5 g 44. —
	11-Deoxy-18-hydroxycorticosterone see 55175 18-Hydroxy-11-deoxycorticosterone		
110	2'-Deoxyinosine [9-(2-Deoxy-β-D-ribofuranosyl)hypoxanthine] $C_{10}H_{12}N_4O_4$ M_r 252.23 [890-38-0] puriss. $[\alpha]_{540}^{20} - 24.6 \pm 2^\circ$ (c = 1 in water)	250 mg 22. —	1 g 80. —
	2-Deoxy-D-lyxose-hexose see 31050 2-Deoxy-D-galactose		
	6-Deoxy-L-mannose see 83650 L(+)-Rhamnose Monohydrate		
120	4-Deoxypyridoxine hydrochloride (2,4-Dimethyl-3-hydroxy-5-hydroxymethylpyridine hydrochloride) $C(CH_3):C(OH)C(CH_3):C(CH_2OH)CH:N \cdot HCl$ $C_6H_{11}NO_2 \cdot HCl$ M_r 189.64 [148-51-6] puriss.	1 g 12. —	5 g 50. —
	9-(2-Deoxy-β-D-ribofuranosyl)adenine see 30920 2'-Deoxyadenosine		
	1-(2-Deoxy-β-D-ribofuranosyl)cytosine see 31010 2'-Deoxycytidine hydrochloride		
	9-(2-Deoxy-β-D-ribofuranosyl)guanine see 31070 2'-Deoxyguanosine		
	9-(2-Deoxy-β-D-ribofuranosyl)hypoxanthine see 31110 2'-Deoxyinosine		
	1-(2-Deoxy-β-D-ribofuranosyl)thymine see 89270 Thymidine		
	1-(2-Deoxy-β-D-ribofuranosyl)uracil see 31180 2'-Deoxyuridine		
135	Deoxyribonuclease I , DNase I ex Bovine Pancreas (EC 3.1.4.5) [9003-98-9] purum; salt free stab. ~1800 U/mg; 40% active according to Kunitz	100 mg 22. —	500 mg 90. —
150	Deoxyribonuclease II , DNase II from Bovine Spleen (EC 3.1.4.6) [9025-64-3] lyophilised salt free; 300 U/mg; free of RNase; store in refrigerator	250 mg 22. —	1 g 80. —



Deoxyribonucleic acid (low molecular weight) (DNA) (C ₃₉ H ₅₁ N ₁₅ O ₂₅ P ₄) _n M _r (1253.82) _n		10 g 12. —	50 g 50. —
31160	purum ex herring; store in refrigerator		
Deoxyribonucleic acid (high molecular weight) Sodium salt see 89380 Thymonucleic acid Sodium salt			
2-Deoxy-D-ribose (2-Deoxy-D-erythropentose; Thymine) CH ₂ (CHOH) ₂ CH ₂ CH(OH)O C ₅ H ₁₀ O ₄ M _r 134.13 [533-67-5] purum M.P. ~85°; [α] _D ²⁰ → -66.0±1°; [α] _D ²⁰ → -57.0±1° (c = 1 in water); store in refrigerator		1 g 8. —	5 g 26. — 25 g 110. —
31170			
2'-Deoxyuridine [1-(2-Deoxy-β-D-ribofuranosyl)uracil; Uracil deoxyriboside] C ₉ H ₁₂ N ₂ O ₅ M _r 228.21 [951-78-0] puriss. M.P. 165-167°; [α] _D ²⁰ + 62±2°; [α] _D ²⁰ + 52±2° (c = 1.1 in 1n NaOH); store in refrigerator			250 mg 20. —
31180			
DEP see 32490 Diethyl pyrocarbonate			
31184	D.E.R. 330 ® (Epoxy-Resin)	250 g 14. —	1 kg 50. —
31185	D.E.R. 332 ® (Epoxy-Resin)	250 g 14. —	1 kg 50. —
31186	D.E.R. 334 ® (Epoxy-Resin)	250 g 14. —	1 kg 50. —
31190	D.E.R. 732 ® (Epoxy-Resin)	250 g 14. —	1 kg 50. —
31191	D.E.R. 736 ® (Epoxy-Resin)	250 g 14. —	1 kg 50. —
31192	D.E.R. 741 ® (Epoxy-Resin) ® Registered trade-mark of The Dow Chemical Co., USA	250 g 14. —	1 kg 50. —
Desaminotyrosyl-β-alanyl secretine (DATA-secretine) Desamino-Tyr-β-Ala-Hist-Ser-Asp-Gly-Thr-Phe-Thr-Ser-Glu-Leu-Ser-Arg-Leu-Arg-Asp-Ser-Ala-Arg-Leu-Glu-Arg-Leu-Leu-Glu-Gly-Leu-Val-/NH ₂ .5 CH ₃ COOH M _r 3274.8 (free Peptide) Synthesized according to E. Wunsch et al., Hoppe Seylers Z. Physiol. Chem. 357, 1417-1420 (1976)		1 mg 500. —	5 mg 1500. —
31193			
31195	Desyl chloride pract. ~97% (Cl); M.P. 62-64° (ω-Chloro-ω-phenylacetophenone) 6.1/23 C ₆ H ₅ CH(Cl)COC ₆ H ₅ C ₁₄ H ₁₁ ClO M _r 230.69 [447-31-4]	10 g 30. —	50 g 125. —
Detergents see "Detergents and Surfactants" green section			
Deuterated Acetonitrile see 91619 Acetonitrile-d ₃			
Deuterium puriss. 99.8 Mol% (gas) 2/1b D ₂ M _r 4.03 [7782-39-0]		(incl. Cylinder and Manometer)	10 g 700. —
31202		(incl. Cylinder and Manometer)	20 g 1200. —
31203			
Deuterium chloride see 31231 Hydrochloric acid-d			
Deuterium oxide (Heavy water) D ₂ O M _r 20.03 [7789-20-0]			
31239	puriss. >99.95 Atom% D	1 lt ≈ 1.12 kg	25 ml 55. — 100 ml 200. —
31240	puriss. >99.7 Atom% D	1 lt ≈ 1.11 kg	25 ml 33. — 100 ml 120. —
mono-Deuteroacetic acid see 31350 Acetic acid-d ₁			
Deuteriochloroform see 31325 Chloroform-d			
mono-Deuteromethanol see 31371 Methanol-d ₁			
Deuteriosulfuric acid see 36780 Sulfuric acid-d ₂			
Deuterotrifluoroacetic acid see 31379 Trifluoroacetic acid-d			
31385	Devardas alloy purum p.a. Cu 50%, Al 45%, Zn 5% [8049-11-4]	250 g 13. —	1 kg 40. —
31382	Dexsil 300 for GC; a carboranesilicone; thermically stable up to 450°	1 g 75. —	
31383	Dexsil 400 for GC; a carboranesilicone; thermically stable up to 500°	1 g 75. —	
31384	Dexsil 410 for GC; a carboranesilicone; thermically stable up to 500°	1 g 75. —	
31387	Dextran purum (C ₆ H ₁₀ O ₅) _n M _r ~15 000-20 000	25 g 10. —	100 g 30. —

			sFr.	sFr.
89	Dextran	purum H ₂ O <2% (C ₆ H ₁₀ O ₅) _n M _r ~40 000	25 g 18.—	100 g 65.—
90	Dextran	purum 2-5% water (C ₆ H ₁₀ O ₅) _n M _r ~70 000	25 g 18.—	100 g 65.—
91	Dextran	purum (C ₆ H ₁₀ O ₅) _n M _r ~110 000	10 g 10.—	50 g 37.—
92	Dextran	purum (C ₆ H ₁₀ O ₅) _n M _r 500 000	10 g 16.—	50 g 67.—
93	Dextran Blue	Marking substance for Gelchromatography (C ₆ H ₁₀ O ₅) _n M _r 2 000 000	1 g 16.—	5 g 67.—
95	Dextran Sodium sulfate	purum M _r 500 000	10 g 20.—	50 g 85.—
400	Dextrin Yellowish	puriss. for Bacteriology	250 g 7.—	1 kg 12.—
	D(+) -Dextronic acid-δ-lactone	see 49120 D(+) -Gluconic acid-δ-lactone		
	Dextrose	see 49140 D(+) -Glucose anhydrous		
	DFP	see 38399 Diisopropyl fluorophosphate		
	DHEBA	see 37475 (1,2-Dihydroxyethylene)-bis-acrylamide		
420	Diacetamide	purum >99%(N); M.P. 75-76°; H ₂ O ~1% (Diacetylamine) (CH ₃ CO) ₂ NH C ₄ H ₇ NO ₂ M _r 101.11 [625-77-4]	10 g 25.—	50 g 105.—
	Diacetin	(Glycerol 1,3-diacetate) (CH ₃ COOCH ₂) ₂ CHOH C ₇ H ₁₂ O ₅ M _r 176.17 [25395-31-7]		
431		techn. ~50%(GC); Balance mainly Triacetin; d ₄ ²⁰ 1.178; n _D ²⁰ 1.438 1 lt ≈ 1.18 kg	100 ml 7.—	500 ml 18.—
	"Diacetonamine hydrogenoxalate"	see 08560 4-Amino-4-methyl-2-pentanone hydrogenoxalate (2,3-4)		
	Diacetone acrylamide	see 41035 N-(1,1-Dimethyl-3-oxobutyl)acrylamide		
	Diacetone alcohol	see 31440 4-Hydroxy-4-methyl-2-pentanone		
	Diacetone-D-glucose	(1,2:5,6-Di-O-isopropylidene-α-D-glucofuranose) C ₁₂ H ₂₀ O ₈ M _r 260.29 [582-52-5]		
460		purum M.P. 107-110°; [α] _D ²⁰ -22.0±1°; [α] _D ²⁰ -18.0±1° (c = 5 in water)	25 g 17.—	100 g 60.—
	"Diacetonitrile"	see 07600 3-Aminocrotononitrile		
468	3,5-Diacetoxyacetophenone	purum >98%(HPLC); M.P. 91-93° (CH ₃ COO) ₂ C ₆ H ₃ COCH ₃ C ₁₂ H ₁₂ O ₅ M _r 236.23 [35086-59-0]	25 g 19.—	100 g 60.—
	trans,trans-1,4-Diacetoxy-1,3-butadiene	CH ₃ COOCH:CHCH:CHOCOCH ₃ C ₈ H ₁₀ O ₄ M _r 170.17 [15910-11-9]		
475		purum >98%(UV); M.P. 102-104°; store in refrigerator	1 g 25.—	5 g 105.—
	trans-1,1-Diacetoxy-2-butene	(Crotonaldehyde hydrate diacetate; Crotylidene diacetate) 3/4; 78° (CH ₃ COO) ₂ CHCH:CHCH ₃ C ₈ H ₁₂ O ₄ M _r 172.18 [5860-35-5]		
480		purum B.P. ₁₂ 101-104°; d ₄ ²⁰ 1.05 1 lt ≈ 1.05 kg	100 ml 40.—	
	1,2-Diacetoxyethane	see 31470 Ethylene glycol diacetate		
	Diacetoxyscirpenol	(12,13-Epoxytrichothec-9-ene-3,4,15-triol 4,15-diacetate) 6.1/81g C ₁₉ H ₂₆ O ₇ M _r 366.42 [2270-40-8]		
505		Fungal metabolite; severe poison; store in refrigerator	Ampoule of 10 mg 120.—	
	Diacetyl	see 31530 2,3-Butanedione		
	Diacetylamine	see 31420 Diacetamide		
	1,2-Diacetylbenzene	(CH ₃ CO) ₂ C ₆ H ₄ C ₁₀ H ₁₀ O ₂ M _r 162.20 [704-00-7]		
535		purum >98%(GC); M.P. 39-41°; Fluorogenic reagent for the determination of amines, amino acids and proteins (particularly histamine, lysine, ornithine and some rare amino acids): M. Roth, Anal. Chem. 43, 880 (1971); G. J. Krauss, J. Chromatogr. 74, 152 (1972)	250 mg 33.—	1 g 120.—
536	1,3-Diacetylbenzene	purum >97%(GC); M.P. 28-31° (CH ₃ CO) ₂ C ₆ H ₄ C ₁₀ H ₁₀ O ₂ M _r 162.19 [6781-42-6]	10 g 40.—	

D

			sFr.	sFr.
			10 g 18. —	
31537	1,4-Diacetylbenzene purum M.P. 110-112° (CH ₃ CO) ₂ C ₆ H ₄ C ₁₀ H ₁₀ O ₂ M _r 162.19 [1009-61-6]			
	N,S-Diacetylcysteamine CH ₃ CONHCH ₂ CH ₂ SCOCH ₃ C ₆ H ₁₁ NO ₂ S M _r 161.23 [1420-88-8]			
31540	puriss. biochim. >98% (GC); M.P. 29-31°; store in refrigerator; reagent for the modification of amino groups and substitute for acetyl-coenzyme A as source of acetyl groups: G. E. Wilson, T. J. Bazzone, J. Am. Chem. Soc. 96, 1465 (1974)		1 g 20. —	5 g 85
	Diacetyldioxime see 40390 Dimethylglyoxime			
	Diacetylmonoxime see 31550 2,3-Butanedione oxime			
31585	N,N'-Diacetylsulfanilamide pract. CH ₃ CONHC ₆ H ₄ SO ₂ NHCOCH ₃ C ₁₀ H ₁₂ N ₂ O ₄ S M _r 256.28 [29591-86-4]		25 g 24. —	
	(+)-Diacetyl-L-tartaric acid anhydride O=C(CHOCOCH ₃) ₂ CO C ₈ H ₆ O ₇ M _r 216.15 [19523-83-2]			
31587	purum >97% (NT); M.P. 129-132°; [α] _D ²⁰ + 70±3°; [α] _D ²⁰ + 60±2° (= 6 in Acetone)		50 g 12. —	250 g 50.
32590	Diallylamine pract. >98% (GC); B.P. 107-111°; d ₄ ²⁰ 0.789; n _D ²⁰ 1.440 8/35; 70° (CH ₂ :CHCH ₂) ₂ NH C ₆ H ₁₁ N M _r 97.16 [124-02-7]	1 lt ≈ 0.79 kg	250 ml 17. —	1 lt 60.
	Diallyl disulfide see 32621 Allyl disulfide			
	Diallyl ether see 32579 Allyl ether			
	Diallyl maleate CH ₂ :CHCH ₂ OCOCH:CHCOOCH ₂ CH:CH ₂ C ₁₀ H ₁₂ O ₄ M _r 196.21 [999-21-3]			
63230	pract. monomer stab.; ~97% (GC); B.P. 109-110° (Lit.); d ₄ ²⁰ 1.07; n _D ²⁰ 1.468	1 lt ≈ 1.07 kg	250 ml 26. —	1 lt 95.
	Diallyl phthalate C ₆ H ₄ (COOCH ₂ CH:CH ₂) ₂ C ₁₄ H ₁₄ O ₄ M _r 246.27 [131-17-9]			
80090	pract. ~97% (GC); B.P. 179-195°; d ₄ ²⁰ 1.119; n _D ²⁰ 1.519	1 lt ≈ 1.12 kg	500 ml 15. —	1 lt 28.
	Diallyl sulfide see 32660 Allyl sulfide			
	N,N'-Diallyl tartardiamide CH ₂ :CHCH ₂ NHOC(CHOH) ₂ CONHCH ₂ CH:CH ₂ C ₁₀ H ₁₆ N ₂ O ₄ M _r 228.25 [28843-34-7]			
32665	purum >98% (N); M.P. 183-185°; [α] _D ²⁰ + 141±1°; [α] _D ²⁰ + 118±2° (c = 3 in Methanol)		10 g 18. —	50 g 75.
	Diamine Green B [C.I. Nr. 30295; Sch. Nr. 668] 4-HOC ₆ H ₄ N:N-4-C ₆ H ₄ C ₆ H ₄ -4-N:N-2-C ₁₀ H ₂ -1-OH-3,6-(SO ₃ Na) ₂ -8-NH ₂ -7-N:NC ₆ H ₄ -4-NO ₂ C ₃₄ H ₂₂ N ₆ Na ₂ O ₁₀ S ₂ M _r 812.71 [4335-09-5]			
32680	p.a. for Complexometry; R. Pribil, Complexometry I, 87 (1960)		25 g 7. —	100 g 20.
32700	1,3-Diaminoacetone dihydrochloride purum M.P. 182-185° dec. (NH ₂ CH ₂) ₂ CO.2HCl.H ₂ O C ₃ H ₈ N ₂ O.2HCl.H ₂ O M _r 179.05 [61798-04-7]		1 g 25. —	
	3,6-Diaminoacridine monohydrochloride see 81685 Proflavine monohydrochloride			
	3,6-Diaminoacridine sulfate see 81690 Proflavine sulfate			
	2,4-Diaminoanisole (4-Methoxy-m-phenylenediamine) CH ₃ OC ₆ H ₃ (NH ₂) ₂ C ₇ H ₁₀ N ₂ O M _r 138.17 [615-05-4]			
32710	pract. >95% (NT); M.P. 58-63°; store in refrigerator		250 g 18. —	1 kg 65
	2,5-Diaminoanisole sulfate (2-Methoxy-p-phenyldiamine sulfate) CH ₃ OC ₆ H ₃ (NH ₂) ₂ .H ₂ SO ₄ C ₇ H ₁₀ N ₂ O.H ₂ SO ₄ M _r 236.25 [42909-29-5]			
32720	pract. ~96% (T); M.P. 275-285° dec.		100 g 22. —	500 g 90
32730	1,4-Diaminoanthraquinone techn. M.P. 255-265° O=C ₆ H ₄ CO=C ₆ H ₂ (NH ₂) ₂ C ₁₄ H ₁₀ N ₂ O ₂ M _r 238.25 [128-95-0]		100 g 15. —	500 g 63
32735	2,6-Diaminoanthraquinone pract. ~97% (N); M.P. >300° O=C ₆ H ₃ (NH ₂) ₂ CO=C ₆ H ₃ NH ₂ C ₁₄ H ₁₀ N ₂ O ₂ M _r 238.25 [131-14-6]		50 g 18. —	250 g 75
	Diaminobenzene see 78410, 78420, 78429 Phenylenediamine			
32741	3,3'-Diaminobenzidine purum >98% (NT); M.P. 173-176°; under Nitrogen (NH ₂) ₂ C ₆ H ₃ C ₆ H ₃ (NH ₂) ₂ C ₁₂ H ₁₄ N ₄ M _r 214.27 [91-95-2]	1 g 7. —	5 g 17. —	25 g 70

			sFr.	sFr.
2750	3,3'-Diaminobenzidine tetrahydrochloride (3,3',4,4'-Tetraamino-biphenyltetrahydrochloride) $(\text{NH}_2)_2\text{C}_6\text{H}_3\text{C}_6\text{H}_3(\text{NH}_2)_2 \cdot 4\text{HCl} \cdot 2\text{H}_2\text{O}$ $\text{C}_{12}\text{H}_{14}\text{N}_4 \cdot 4\text{HCl} \cdot 2\text{H}_2\text{O}$ M_r 396.15 [7411-49-6] purum p.a. >98% (Cl); M.P. >300°; Reagent for Metals and for colorimetric analysis of Se; Anal. Chem. 30, 1370 (1958)			
		1 g	8. —	5 g 21. — 25 g 90. —
2760	3,4-Diaminobenzoic acid purum >98% (NT); M.P. ~213° dec. $(\text{NH}_2)_2\text{C}_6\text{H}_3\text{COOH}$ $\text{C}_7\text{H}_8\text{N}_2\text{O}_2$ M_r 152.15 [619-05-6]			
			10 g	9. — 50 g 32. —
2770	3,5-Diaminobenzoic acid pract. ~95% (NT); M.P. 235-240° dec. $(\text{NH}_2)_2\text{C}_6\text{H}_3\text{COOH}$ $\text{C}_7\text{H}_8\text{N}_2\text{O}_2$ M_r 152.15 [535-87-5]			
			50 g	9. — 250 g 35. —
2780	3,5-Diaminobenzoic acid dihydrochloride $(\text{NH}_2)_2\text{C}_6\text{H}_3\text{COOH} \cdot 2\text{HCl}$ $\text{C}_7\text{H}_8\text{N}_2\text{O}_2 \cdot 2\text{HCl}$ M_r 225.08 [618-56-4] puriss. p.a. >99% (Cl); M.P. >300°			
		5 g	13. —	25 g 55. — 100 g 200. —
2784	4,4'-Diaminobibenzyl pract. >97% (NT); M.P. 134-136° (4,4'-Ethylenedianiline) $\text{NH}_2\text{C}_6\text{H}_4\text{CH}_2\text{CH}_2\text{C}_6\text{H}_4\text{NH}_2$ $\text{C}_{14}\text{H}_{16}\text{N}_2$ M_r 212.30 [621-95-4]			
			10 g	11. — 50 g 46. —
	4,4'-Diaminobiphenyl see 12115 Benzidine			
2790	1,4-Diaminobutane (Putrescine; Tetramethylenediamine) 8/35 $\text{NH}_2(\text{CH}_2)_4\text{NH}_2$ $\text{C}_4\text{H}_{12}\text{N}_2$ M_r 88.15 [110-60-1] puriss. >99% (GC); M.P. 25-27°; B.P. 1160-61°; d_4^{20} 0.881; n_D^{20} 1.457; store in refrigerator			
2791		1 lt	≈ 0.88 kg	10 ml 20. — 50 ml 85. —
		1 lt	≈ 0.88 kg	100 ml 20. — 500 ml 85. —
2810	1,4-Diaminobutane dihydrochloride purum >99%; M.P. 301-303° $\text{NH}_2(\text{CH}_2)_4\text{NH}_2 \cdot 2\text{HCl}$ $\text{C}_4\text{H}_{12}\text{N}_2 \cdot 2\text{HCl}$ M_r 161.08 [333-93-7]			
			25 g	20. — 100 g 70. —
2830	L-2,4-Diaminobutyric acid dihydrochloride $\text{NH}_2\text{CH}_2\text{CH}_2\text{CH}(\text{NH}_2)\text{COOH} \cdot 2\text{HCl}$ $\text{C}_4\text{H}_{10}\text{N}_2\text{O}_2 \cdot 2\text{HCl}$ M_r 191.06 [1883-09-6] purum >97% (Cl); M.P. 197-200° dec.; $[\alpha]_{546}^{20} + 18 \pm 1^\circ$; $[\alpha]_D^{20} + 15 \pm 1^\circ$ (c = 3.67 in water); may lose HCl			
		1 g	15. —	5 g 63. — 25 g 230. —
2840	DL-2,4-Diaminobutyric acid dihydrochloride $\text{NH}_2\text{CH}_2\text{CH}_2\text{CH}(\text{NH}_2)\text{COOH} \cdot 2\text{HCl}$ $\text{C}_4\text{H}_{10}\text{N}_2\text{O}_2 \cdot 2\text{HCl}$ M_r 191.06 [6970-28-1] puriss. >99% (Cl); M.P. ~210° dec.; 1 g clearly soluble in 10 ml water			
			1 g	15. — 5 g 63. —
	2,6-Diaminocaproic acid see 62840, 62950 and 62860 L-, D- and DL-Lysine (monohydrochloride)			
2850	1,2-Diaminocyclohexane 8/35; 70° $\text{C}_6\text{H}_{14}\text{N}_2$ M_r 114.19 [694-83-7] techn. ~85% (T); B.P. 191-192°; d_4^{20} 0.961; Mixture of Isomers contains Hexamethylene diamine			
		1 lt	≈ 0.96 kg	1 lt 20. —
2869	trans-1,2-Diaminocyclohexane-N,N,N',N'-tetraacetic acid ("Chel CD"; 1,2-Cyclohexanedinitrilo tetraacetic acid) $(\text{HOOCCH}_2)_2\text{NCH}(\text{CH}_2)_4\text{CHN}(\text{CH}_2\text{COOH})_2$ $\text{C}_{14}\text{H}_{22}\text{N}_2\text{O}_8$ M_r 346.34 [13291-61-7] puriss. p.a. $\text{H}_2\text{O} < 0.5\%$ Fluka-Guarantee: Assay >99.0 % Iron (Fe) <0.001% Sulfate (SO_4) <0.01 % Zinc (Zn) <0.005% Copper (Cu) <0.001% Calcium (Ca) <0.001% Lead (Pb) <0.001% Ash (as SO_4) <0.1 %			
			10 g	18. — 50 g 75. —
2870	trans-1,2-Diaminocyclohexane-N,N,N',N'-tetraacetic acid Monohydrate $(\text{HOOCCH}_2)_2\text{NCH}(\text{CH}_2)_4\text{CHN}(\text{CH}_2\text{COOH})_2 \cdot \text{H}_2\text{O}$ $\text{C}_{14}\text{H}_{22}\text{N}_2\text{O}_8 \cdot \text{H}_2\text{O}$ M_r 364.36 [13291-61-7] purum p.a. for Complexometry; M.P. 213-216° dec.; Ash <0.1%			
			25 g	16. — 100 g 55. —
2880	1,10-Diaminodecane purum >98% (NT); M.P. 59-61° (Decamethylenediamine) 8/35 $\text{NH}_2(\text{CH}_2)_{10}\text{NH}_2$ $\text{C}_{10}\text{H}_{24}\text{N}_2$ M_r 172.32 [646-25-3]			
			10 g	18. — 50 g 75. —
2890	4,4'-Diaminodicyclohexylmethane (4,4'-Methylenebiscyclohexylamine) $\text{CH}_2\text{CH}_2\text{CH}(\text{NH}_2)\text{CH}_2\text{CH}_2\text{CHCH}_2\text{CH}_2\text{CH}(\text{NH}_2)\text{CH}_2\text{CH}_2$ $\text{C}_{13}\text{H}_{26}\text{N}_2$ M_r 210.36 [1761-71-3] pract. Mixture of Isomers			
			250 g	20. —
	2,2'-Diaminodiethylamine see 32305 Diethylenetriamine			
	2,2'-Diaminodiethyl disulfide dihydrochloride see 30050 Cystamine dihydrochloride			



			sFr.	sFr.
			10 g 18. —	
31537	1,4-Diacetylbenzene purum M.P. 110-112° (CH ₃ CO) ₂ C ₆ H ₄ C ₁₀ H ₁₀ O ₂ M _r 162.19 [1009-61-6]			
	N,S-Diacetylcysteamine CH ₃ CONHCH ₂ CH ₂ SCOCH ₃ C ₆ H ₁₁ NO ₂ S M _r 161.23 [1420-88-8]			
31540	puriss. biochim. >98% (GC); M.P. 29-31°; store in refrigerator; reagent for the modification of amino groups and substitute for acetyl-coenzyme A as source of acetyl groups: G. E. Wilson, T. J. Bazzone, J. Am. Chem. Soc. 96, 1465 (1974)		1 g 20. —	5 g 85. —
	Diacetyldioxime see 40390 Dimethylglyoxime			
	Diacetylmonoxime see 31550 2,3-Butanedione oxime		25 g 24. —	
31585	N,N'-Diacetylsulfanilamide pract. CH ₃ CONHC ₆ H ₄ SO ₂ NHCOCH ₃ C ₁₀ H ₁₂ N ₂ O ₄ S M _r 256.28 [29591-86-4]			
	(+)-Diacetyl-L-tartaric acid anhydride OC(CHOCOCH ₃) ₂ CO C ₈ H ₆ O ₇ M _r 216.15 [19523-83-2]			
31587	purum >97% (NT); M.P. 129-132°; [α] _D ²⁰ +70±3°; [α] _D ²⁰ +60±2° (= 6 in Acetone)		50 g 12. —	250 g 50. —
32590	Diallylamine pract. >98% (GC); B.P. 107-111°; d ₄ ²⁰ 0.789; n _D ²⁰ 1.440 8/35; 70° (CH ₂ :CHCH ₂) ₂ NH C ₆ H ₁₁ N M _r 97.16 [124-02-7]	1 lt ≈ 0.79 kg	250 ml 17. —	1 lt 60. —
	Diallyl disulfide see 32621 Allyl disulfide			
	Diallyl ether see 32579 Allyl ether			
	Diallyl maleate CH ₂ :CHCH ₂ OCOCH:CHCOOCH ₂ CH:CH ₂ C ₁₀ H ₁₂ O ₄ M _r 196.21 [999-21-3]			
63230	pract. monomer stab.; ~97% (GC); B.P. ₃ 109-110° (Lit.); d ₄ ²⁰ 1.07; n _D ²⁰ 1.468	1 lt ≈ 1.07 kg	250 ml 26. —	1 lt 95. —
	Diallyl phthalate C ₆ H ₄ (COOCH ₂ CH:CH ₂) ₂ C ₁₄ H ₁₄ O ₄ M _r 246.27 [131-17-9]			
80090	pract. ~97% (GC); B.P. ₁₇ 190-195°; d ₄ ²⁰ 1.119; n _D ²⁰ 1.519	1 lt ≈ 1.12 kg	500 ml 15. —	1 lt 28. —
	Diallyl sulfide see 32660 Allyl sulfide			
	N,N'-Diallyl tartardiamide CH ₂ :CHCH ₂ NHOC(CHOH) ₂ CONHCH ₂ CH:CH ₂ C ₁₀ H ₁₆ N ₂ O ₄ M _r 228.25 [28843-34-7]			
32665	purum >98% (N); M.P. 183-185°; [α] _D ²⁰ +141±1°; [α] _D ²⁰ +118±2° (c = 3 in Methanol)		10 g 18. —	50 g 75. —
	Diamine Green B [C.I. Nr. 30295; Sch. Nr. 668] 4-HOC ₆ H ₄ N:N-4-C ₆ H ₄ C ₆ H ₄ -4-N:N-2-C ₁₀ H ₂ -1-OH-3,6-(SO ₃ Na) ₂ -8-NH ₂ -7-N:NC ₆ H ₄ - 4-NO ₂ C ₃₄ H ₂₂ N ₈ Na ₂ O ₁₀ S ₂ M _r 812.71 [4335-09-5]			
32680	p.a. for Complexometry; R. Pribil, Complexometry I, 87 (1960)		25 g 7. —	100 g 20. —
32700	1,3-Diaminoacetone dihydrochloride purum M.P. 182-185° dec. (NH ₂ CH ₂) ₂ CO.2HCl.H ₂ O C ₃ H ₈ N ₂ O.2HCl.H ₂ O M _r 179.05 [61798-04-7]		1 g 25. —	
	3,6-Diaminoacridine monohydrochloride see 81685 Proflavine monohydrochloride			
	3,6-Diaminoacridine sulfate see 81690 Proflavine sulfate			
	2,4-Diaminoanisole (4-Methoxy-m-phenylenediamine) CH ₃ OC ₆ H ₃ (NH ₂) ₂ C ₇ H ₁₀ N ₂ O M _r 138.17 [615-05-4]			
32710	pract. >95% (NT); M.P. 58-63°; store in refrigerator		250 g 18. —	1 kg 65. —
	2,5-Diaminoanisole sulfate (2-Methoxy-p-phenyldiamine sulfate) CH ₃ OC ₆ H ₃ (NH ₂) ₂ .H ₂ SO ₄ C ₇ H ₁₀ N ₂ O.H ₂ SO ₄ M _r 236.25 [42909-29-5]			
32720	pract. ~96% (T); M.P. 275-285° dec.		100 g 22. —	500 g 90. —
32730	1,4-Diaminoanthraquinone techn. M.P. 255-265° OCC ₆ H ₄ COCC ₆ H ₂ (NH ₂) ₂ C ₁₄ H ₁₀ N ₂ O ₂ M _r 238.25 [128-95-0]		100 g 15. —	500 g 63. —
32735	2,6-Diaminoanthraquinone pract. ~97% (N); M.P. >300° OCC ₆ H ₃ (NH ₂) ₂ COCC ₆ H ₃ NH ₂ C ₁₄ H ₁₀ N ₂ O ₂ M _r 238.25 [131-14-6]		50 g 18. —	250 g 75. —
	Diaminobenzene see 78410, 78420, 78429 Phenylenediamine			
32741	3,3'-Diaminobenzidine purum >98% (NT); M.P. 173-176°; under Nitrogen (NH ₂) ₂ C ₆ H ₃ C ₆ H ₃ (NH ₂) ₂ C ₁₂ H ₁₄ N ₄ M _r 214.27 [91-95-2]	1 g 7. —	5 g 17. —	25 g 70. —

			sFr.	sFr.
	3,3'-Diaminobenzidine tetrahydrochloride (3,3',4,4'-Tetraamino-biphenyltetrahydrochloride) (NH ₂) ₂ C ₆ H ₃ C ₆ H ₃ (NH ₂) ₂ ·4HCl·2H ₂ O C ₁₂ H ₁₄ N ₄ ·4HCl·2H ₂ O M _r 396.15 [7411-49-6]			
32750	purum p.a. >98% (Cl); M.P. >300°; Reagent for Metals and for colorimetric analysis of Se; Anal. Chem. 30, 1370 (1958)	1 g 8. —	5 g 21. —	25 g 90. —
32760	3,4-Diaminobenzoic acid purum >98% (NT); M.P. ~213° dec. (NH ₂) ₂ C ₆ H ₃ COOH C ₇ H ₈ N ₂ O ₂ M _r 152.15 [619-05-6]		10 g 9. —	50 g 32. —
32770	3,5-Diaminobenzoic acid pract. ~95% (NT); M.P. 235-240° dec. (NH ₂) ₂ C ₆ H ₃ COOH C ₇ H ₈ N ₂ O ₂ M _r 152.15 [535-87-5]		50 g 9. —	250 g 35. —
	3,5-Diaminobenzoic acid dihydrochloride (NH ₂) ₂ C ₆ H ₃ COOH·2HCl C ₇ H ₈ N ₂ O ₂ ·2HCl M _r 225.08 [618-56-4]			
32780	puriss. p.a. >99% (Cl); M.P. >300°	5 g 13. —	25 g 55. —	100 g 200. —
32784	4,4'-Diaminobibenzyl pract. >97% (NT); M.P. 134-136° (4,4'-Ethylenedianiline) NH ₂ C ₆ H ₄ CH ₂ CH ₂ C ₆ H ₄ NH ₂ C ₁₄ H ₁₆ N ₂ M _r 212.30 [621-95-4]		10 g 11. —	50 g 46. —
	4,4'-Diaminobiphenyl see 12115 Benzidine			
	1,4-Diaminobutane (Putrescine; Tetramethylenediamine) 8/35 NH ₂ (CH ₂) ₄ NH ₂ C ₄ H ₁₂ N ₂ M _r 88.15 [110-60-1]			
32790	puriss. >99% (GC); M.P. 25-27°; B.P. 60-61°; d ₄ ²⁰ 0.881; n _D ²⁰ 1.457; store in refrigerator	1 lt ≈ 0.88 kg	10 ml 20. —	50 ml 85. —
32791	purum >98% (GC); M.P. 25-27°; store in refrigerator	1 lt ≈ 0.88 kg	100 ml 20. —	500 ml 85. —
32810	1,4-Diaminobutane dihydrochloride purum >99%; M.P. 301-303° NH ₂ (CH ₂) ₄ NH ₂ ·2HCl C ₄ H ₁₂ N ₂ ·2HCl M _r 161.08 [333-93-7]		25 g 20. —	100 g 70. —
	L-2,4-Diaminobutyric acid dihydrochloride NH ₂ CH ₂ CH ₂ CH(NH ₂)COOH·2HCl C ₄ H ₁₀ N ₂ O ₂ ·2HCl M _r 191.06 [1883-09-6]			
32830	purum >97% (Cl); M.P. 197-200° dec.; [α] _D ²⁰ +18±1°; [α] _D ²⁰ +15±1° (c = 3.67 in water); may lose HCl	1 g 15. —	5 g 63. —	25 g 230. —
	DL-2,4-Diaminobutyric acid dihydrochloride NH ₂ CH ₂ CH ₂ CH(NH ₂)COOH·2HCl C ₄ H ₁₀ N ₂ O ₂ ·2HCl M _r 191.06 [6970-28-1]			
32840	puriss. >99% (Cl); M.P. ~210° dec.; 1 g clearly soluble in 10 ml water		1 g 15. —	5 g 63. —
	2,6-Diaminocaproic acid see 62840, 62950 and 62860 L-, D- and DL-Lysine (monohydrochloride)			
	1,2-Diaminocyclohexane 8/35; 70° C ₆ H ₁₄ N ₂ M _r 114.19 [694-83-7]			
32850	techn. ~85% (T); B.P. 191-192°; d ₄ ²⁰ 0.961; Mixture of Isomers contains Hexamethylene diamine	1 lt ≈ 0.96 kg	1 lt 20. —	
	trans-1,2-Diaminocyclohexane-N,N,N',N'-tetraacetic acid ("Chel CD"; 1,2-Cyclohexanedinitrilo tetraacetic acid) (HOOCCH ₂) ₂ NCH(CH ₂) ₄ CHN(CH ₂ COOH) ₂ C ₁₄ H ₂₂ N ₂ O ₈ M _r 346.34 [13291-61-7]			
32869	puriss. p.a. H ₂ O <0.5%		10 g 18. —	50 g 75. —
	Fluka-Guarantee:			
	Assay >99.0 %	Iron (Fe) <0.001%		
	Sulfate (SO ₄) <0.01 %	Zinc (Zn) <0.005%		
	Copper (Cu) <0.001%	Calcium (Ca) <0.001%		
	Lead (Pb) <0.001%	Ash (as SO ₄) <0.1 %		
	trans-1,2-Diaminocyclohexane-N,N,N',N'-tetraacetic acid Monohydrate (HOOCCH ₂) ₂ NCH(CH ₂) ₄ CHN(CH ₂ COOH) ₂ ·H ₂ O C ₁₄ H ₂₂ N ₂ O ₈ ·H ₂ O M _r 364.36 [13291-61-7]			
32870	purum p.a. for Complexometry; M.P. 213-216° dec.; Ash <0.1%		25 g 16. —	100 g 55. —
32880	1,10-Diaminodecane purum >98% (NT); M.P. 59-61° (Decamethylenediamine) 8/35 NH ₂ (CH ₂) ₁₀ NH ₂ C ₁₀ H ₂₄ N ₂ M _r 172.32 [646-25-3]		10 g 18. —	50 g 75. —
	4,4'-Diaminodicyclohexylmethane (4,4'-Methylenebiscyclohexylamine) CH ₂ CH ₂ CH(NH ₂)CH ₂ CH ₂ CHCH ₂ CHCH ₂ CH ₂ CH(NH ₂)CH ₂ CH ₂ C ₁₃ H ₂₆ N ₂ M _r 210.36 [1761-71-3]			
32890	pract. Mixture of Isomers		250 g 20. —	
	2,2'-Diaminodiethylamine see 32305 Diethylenetriamine			
	2,2'-Diaminodiethyl disulfide dihydrochloride see 30050 Cystamine dihydrochloride			



				sFr.	sFr.
33420	4,5-Diamino-2,6-dihydroxypyrimidine sulfate (5,6-Diaminouracil sulfate) $[N:C(OH)N:C(OH)C(NH_2):C(NH_2)]_2 \cdot H_2SO_4$ ($C_4H_6N_4O_2$) $_2 \cdot H_2SO_4$ M_r 382.32 [32014-70-3] pract. ~97% (N); M.P. >300°; Ash <1%			5 g 17. —	25 g 70. —
32940	4,4'-Diamino-3,3'-dimethyl-1,1'-binaphthyl see 40850 3,3'-Dimethylnaphthidine			100 g 18. —	500 g 75. —
32930	4,4'-Diaminodiphenylamine sulfate techn. ~90% $(NH_2C_6H_4)_2NH \cdot H_2SO_4$ $C_{12}H_{13}N_3 \cdot H_2SO_4$ M_r 297.34 [6369-04-6]			100 g 25. —	500 g 105. —
32950	4,4'-Diaminodiphenyl ether prum >98% (NT); M.P. 189-191° (4-Aminophenyl ether) $O(C_6H_4NH_2)_2$ $C_{12}H_{12}N_2O$ M_r 200.24 [101-80-4]			250 g 10. —	1 kg 32. —
32960	4,4'-Diaminodiphenylmethane pract. >98% (NT); M.P. 87-90° (4,4'-Methylenedianiline) $(NH_2C_6H_4)_2CH_2$ $C_{13}H_{14}N_2$ M_r 198.27 [101-77-9]				
	4,4'-Diaminodiphenyl sulfone , DDS; DAPSONE [4-Aminophenyl sulfone; Bis(4-aminophenyl) sulfone; 4,4'-Sulfonyldianiline) $(NH_2C_6H_4)_2SO_2$ $C_{12}H_{12}N_2O_2S$ M_r 248.31 [80-08-0] purum B.P. ~97% (NT); M.P. 174-176°; Ash <0.1%			100 g 12. —	500 g 50. —
	3,3'-Diaminodipropylamine see 14520 Bis(3-aminopropyl)amine				
32970	1,12-Diaminododecane (1,12-Dodecanediamine; Dodecamethylenediamine) 8/35 $NH_2(CH_2)_{12}NH_2$ $C_{12}H_{26}N_2$ M_r 200.37 [2783-17-7] purum >99% (NT); M.P. 68-70°			25 g 7. —	100 g 20. —
	3,6-Diaminodurene see 32975 2,3,5,6-Tetramethyl-p-phenylenediamine				
	1,2-Diaminoethane see 03550 Ethylenediamine				
32980	2,7-Diaminofluorene purum >97% (UV); M.P. 160-163° $NH_2C_6H_3C_6H_3(NH_2)CH_2$ $C_{13}H_{12}N_2$ M_r 196.25 [525-64-4]			250 mg 9. —	1 g 28. —
32990	1,7-Diaminoheptane (Heptamethylenediamine; 1,7-Heptanediamine) 8/35 $NH_2(CH_2)_7NH_2$ $C_7H_{16}N_2$ M_r 130.23 [646-19-5] purum ~97% (T); M.P. 26-29°; store in refrigerator			5 g 18. —	25 g 75. —
33000	1,6-Diaminohexane (Hexamethylenediamine; 1,6-Hexamethylenediamine) 8/35 $NH_2(CH_2)_6NH_2$ $C_6H_{16}N_2$ M_r 116.21 [124-09-4] purum ~97% (NT); M.P. 40-42°; 1 g clearly soluble in 10 ml H_2O	100 g 8. —	500 g 24. —	2.5 kg 100. —	
33020	1,6-Diaminohexane-N,N,N',N'-tetraacetic acid (Hexamethylenedinitrilotetraacetic acid) $(HOOCCH_2)_2N(CH_2)_6N(CH_2COOH)_2$ $C_{14}H_{24}N_2O_8$ M_r 348.36 [1633-00-7] purum p.a. for Complexometry; M.P. 232-236° dec.			1 g 9. —	10 g 60. —
	2,6-Diamino-5-hydroxycaproic acid hydrochloride see 55500 DL-5-Hydroxylysine hydrochloride				
33030	4,5-Diamino-6-hydroxy-2-mercaptopyrimidine (5,6-4-2) (4,5-Diamino-2-thiouracil) $N:C(SH)N:C(NH_2)C(NH_2):C(OH)$ $C_4H_6N_4OS$ M_r 158.18 [1004-76-8] pract. >97% (N); M.P. >300°; Ash <1%			10 g 10. —	50 g 37. —
	1,3-Diamino-2-hydroxypropane-N,N,N',N'-tetraacetic acid see 33263 1,3-Diamino-2-propanol-N,N,N',N'-tetraacetic acid				
33070	4,5-Diamino-6-hydroxy-pyrimidine sulfate (5,6-4) (5,6-Diamino-4-pyrimidinol sulfate) $N:CHN:C(NH_2)C(NH_2):C(OH) \cdot H_2SO_4$ $C_4H_6N_4O \cdot H_2SO_4$ M_r 224.18 [53435-17-9] purum >97% (UV); Ash <0.3%			5 g 20. —	25 g 85. —
33091	Diaminomaleonitrile pract. >95% (N); M.P. 178-182° dec. 6.1/21 $NCC(NH_2):C(NH_2)CN$ $C_4H_4N_4$ M_r 108.10 [1187-42-4]			10 g 7. —	50 g 24. —
	Diaminomethane dihydrochloride see 66770 Methylenediamine dihydrochloride				
33110	3,6-Diamino-10-methylacridinium chloride (Component of Acriflavine) $NH_2C_6H_3CH:C_6H_3(NH_2):N(CI)CH_3$ $C_{14}H_{14}ClN_3$ M_r 259.74 [8048-52-0] purum p.a. >97% (Cl); M.P. >300°			10 g 13. —	50 g 55. —
	3,3'-Diamino-N-methyldipropylamine see 66641 N-Methyldipropylenetriamine				
	3,8-Diamino-5-methyl-6-phenylphenanthridinium bromide see 41785 Dimidium bromide				
00535	2,4-Diamino-6-methyl-1,3,5-triazine purum >99% (NT); M.P. 274-276° (Acetoguanamine) $CH_3C:N(C(NH_2):NC(NH_2):N$ $C_4H_7N_5$ M_r 125.14 [542-02-9]			500 g 20. —	
33165	1,5-Diaminonaphthalene purum >98% (NT); M.P. 187-190° (1,5-Naphthalenediamine) $C_{10}H_8(NH_2)_2$ $C_{10}H_{10}N_2$ M_r 158.21 [2243-62-1]			100 g 20. —	500 g 85. —

			sFr.	sFr.
	1,8-Diaminonaphthalene (1,8-Naphthalenediamine)			
	$C_{10}H_6(NH_2)_2$ $C_{10}H_{10}N_2$ M_r 158.20			
33170	purum ~99% (GC); M.P. 62-65°		25 g 12. —	100 g 40. —
33180	pract. ~97% (GC); M.P. 60-63°		100 g 18. —	500 g 75. —
33185	2,3-Diaminonaphthalene pract. >98% (NT); M.P. 194-197° (2,3-Naphthalenediamine)		1 g 16. —	5 g 67. —
	$C_{10}H_6(NH_2)_2$ $C_{10}H_{10}N_2$ M_r 158.20 [771-97-1]			
	2,5-Diaminonitrobenzene see 73620 2-Nitro-p-phenylenediamine			
	3,4-Diaminonitrobenzene see 73630 4-Nitro-o-phenylenediamine			
	1,9-Diaminononane (Nonamethylenediamine; 1,9-Nonanediamine)			
	8/35 $NH_2(CH_2)_9NH_2$ $C_9H_{22}N_2$ M_r 158.29 [646-24-2]			
33190	purum >98% (NT); M.P. 35-37°; H_2O <2%		10 g 28. —	50 g 120. —
	1,8-Diaminooctane (Octamethylenediamine; 1,8-Octanediamine)			
	8/35 $NH_2(CH_2)_8NH_2$ $C_8H_{20}N_2$ M_r 144.26 [373-44-4]			
33200	purum >98% (NT); M.P. 50-52°		100 g 20. —	500 g 85. —
	1,5-Diaminopentane (Cadaverine; Pentamethylenediamine; 1,5-Pentadiamine)			
	8/35 $NH_2(CH_2)_5NH_2$ $C_5H_{14}N_2$ M_r 102.18 [462-94-2]			
33211	purum >97% (GC); M.P. 15-17°; B.P. 127-80°; d_4^{20} 0.868; n_D^{20} 1.458	1 lt ≈ 0.87 kg	10 ml 18. —	50 ml 75. —
33220	1,5-Diaminopentane dihydrochloride puriss. >99% (Cl); M.P. 256-258° dec.		10 g 30. —	50 g 125. —
	$NH_2(CH_2)_5NH_2 \cdot 2HCl$ $C_5H_{14}N_2 \cdot 2HCl$ M_r 175.10 [1476-39-7]			
	2,4-Diaminophenol dihydrochloride ("Amidol")			
	$HOC_6H_3(NH_2)_2 \cdot 2HCl$ $C_6H_9N_2O \cdot 2HCl$ M_r 197.06 [137-09-7]			
33230	purum Photoquality >98% (Cl); M.P. >300°		100 g 28. —	500 g 120. —
	3,7-Diamino-5-phenothiazinium chloride see 88930 Thionine			
33240	DL-2,6-Diaminopimelic acid purum >97% (NT); M.P. ~295° dec.	1 g 20. —	5 g 85. —	25 g 255. —
	$HOOCCH(NH_2)(CH_2)_3CH(NH_2)COOH$ $C_7H_{14}N_2O_4$ M_r 190.20 [583-93-7]			
	1,2-Diaminopropane (Propylenediamine)			
	8/35; 49° $CH_3CH(NH_2)CH_2NH_2$ $C_3H_{10}N_2$ M_r 74.13 [78-90-0]			
82250	puriss. p.a. >99% (GC); B.P. 119-120°; d_4^{20} 0.868; n_D^{20} 1.446	1 lt ≈ 0.87 kg	100 ml 12. —	500 ml 50. —
82252	purum >97% (GC); B.P. 118-120°; d_4^{20} 0.868; n_D^{20} 1.446; ~3% water	1 lt ≈ 0.87 kg	250 ml 11. —	1 lt 38. —
	1,3-Diaminopropane (1,3-Propanediamine; Trimethylenediamine)			
	8/35; 24° $NH_2(CH_2)_3NH_2$ $C_3H_{10}N_2$ M_r 74.13 [109-76-2]			
33250	puriss. >99% (GC); B.P. 136-138°; d_4^{20} 0.888; n_D^{20} 1.459	1 lt ≈ 0.89 kg	100 ml 10. —	500 ml 42. —
33260	purum >97% (GC); B.P. 134-138°; d_4^{20} 0.887; n_D^{20} 1.458	1 lt ≈ 0.89 kg	250 ml 9. —	1 lt 30. —
	1,2-Diaminopropane-N,N,N',N'-tetraacetic acid			
	$(HOOCCH_2)_2NCH_2CH(CH_3)N(CH_2COOH)_2$ $C_{11}H_{18}N_2O_8$ M_r 306.27 [4408-81-5]			
33265	purum >97% (T); M.P. ~240° dec.; Ash <0.1%		5 g 15. —	25 g 63. —
33262	1,3-Diamino-2-propanol pract. >95% (NT); M.P. 39-41°; store in refrigerator		50 g 18. —	250 g 75. —
	8/35 $NH_2CH_2CH(OH)CH_2NH_2$ $C_3H_{10}N_2O$ M_r 90.12 [616-29-5]			
	1,3-Diamino-2-propanol-N,N,N',N'-tetraacetic acid (1,3-Diamino-2-hydroxypropane-N,N,N',N'-tetraacetic acid)			
	$(HOOCCH_2)_2NCH_2CH(OH)CH_2N(CH_2COOH)_2$ $C_{11}H_{18}N_2O_9$ M_r 322.27 [3148-72-9]			
33263	p.a. ~97% (T); M.P. 185-188° dec.; H_2O ~3%		5 g 21. —	25 g 90. —
	DL-2,3-Diaminopropionic acid monohydrochloride			
	$NH_2CH_2CH(NH_2)COOH \cdot HCl$ $C_3H_8N_2O_2 \cdot HCl$ M_r 140.57 [54897-59-5]			
33280	puriss. >99% (Cl); M.P. 231-233° dec.		1 g 13. —	5 g 55. —
33310	2,3-Diaminopyridine purum >98% (NT); M.P. 112-114°		1 g 12. —	5 g 50. —
	$N:C(NH_2)C(NH_2):CHCH:CH$ $C_5H_7N_3$ M_r 109.13 [452-58-4]			
33321	2,6-Diaminopyridine pract. >98% (NT); M.P. 115-118°		100 g 18. —	500 g 75. —
	$N:C(NH_2)CH:CHCH:CNH_2$ $C_5H_7N_3$ M_r 109.13 [141-86-6]			
33330	3,4-Diaminopyridine purum >99% (NT); M.P. 216-218°		1 g 20. —	5 g 85. —
	$N:CHC(NH_2):C(NH_2)CH:CH$ $C_5H_7N_3$ M_r 109.13 [54-96-6]			
	5,6-Diamino-4-pyrimidinol sulfate see 33070 4,5-Diamino-6-hydroxypyrimidine sulfate			

4,4'-Diaminostilbene-2,2'-disulfonic acid-N,N,N',N'-tetraacetic acid Hexasodium salt (NaOCOCH ₂) ₂ NC ₆ H ₃ (SO ₃ Na)CH:CHC ₆ H ₃ (SO ₃ Na)N(CH ₂ COONa) ₂ C ₂₂ H ₁₆ N ₂ Na ₆ O ₁₄ S ₂ M _r 734.44 [3983-25-3] (free acid) p.a. Fluorescent Metal Indicator for Cu(II) in Complexometry					
33351			1 g 20.—	5 g 85.—	
32783	meso-Diaminosuccinic acid purum >97%(NT); M.P. >300° HOOCCH(NH ₂)NH ₂ CH(NH ₂)COOH C ₄ H ₈ N ₂ O ₄ M _r 148.12 [50817-04-4]		1 g 20.—	5 g 85.—	
4,4'-Diamino-3,3',5,5'-tetramethyl-biphenyl dihydrochloride see 87750 3,3',5,5'-Tetramethylbenzidine dihydrochloride					
4,5-Diamino-2-thiouracil see 33030 4,5-Diamino-6-hydroxy-2-mercaptopyrimidine (5,6-4,2)					
33360	2,4-Diaminotoluene (2,4-Toluenediamine; asym.-m-Toluylenediamine) CH ₃ C ₆ H ₃ (NH ₂) ₂ C ₇ H ₁₀ N ₂ M _r 122.17 [95-80-7] pract. >98%(NT); M.P. 98-99°		250 g 15.—	1 kg 40.—	
33370	2,6-Diaminotoluene (2,6-Toluenediamine; vic.-m-Toluylenediamine) CH ₃ C ₆ H ₃ (NH ₂) ₂ C ₇ H ₁₀ N ₂ M _r 122.17 [823-40-5] pract. >97%(NT); M.P. 104-105°		25 g 16.—	100 g 55.—	
33380	3,4-Diaminotoluene (3,4-Toluenediamine; asym.-o-Toluylenediamine) CH ₃ C ₆ H ₃ (NH ₂) ₂ C ₇ H ₁₀ N ₂ M _r 122.17 [496-72-0] pract. ~97%(NT); M.P. 87-89°		100 g 15.—	500 g 63.—	
33390	2,5-Diaminotoluene sulfate (2,5-Toluenediamine sulfate; p-Toluylenediamine sulfate) CH ₃ C ₆ H ₃ (NH ₂) ₂ ·H ₂ SO ₄ C ₇ H ₁₀ N ₂ ·H ₂ SO ₄ M _r 220.25 [615-50-9] pract. >95%(T); M.P. >300°; Ash ~2%		100 g 11.—	500 g 46.—	
33410	3,5-Diamino-1,2,4-triazole purum >98%(NT); M.P. 202-205° (Guanazole) NHN:C(NH ₂)N:CNH ₂ C ₂ H ₃ N ₃ M _r 99.10 [1455-77-2]		10 g 28.—	50 g 120.—	
5,6-Diaminouracil sulfate see 33420 5,6-Diamino-2,4-dihydroxypyrimidine sulfate					
33421	α,α'-Diamino-m-xylene [1,3-Bis(aminomethyl)benzene; m-Xylene-α,α'-diamine] 8/35 C ₆ H ₄ (CH ₂ NH ₂) ₂ C ₈ H ₁₂ N ₂ M _r 136.20 [1477-55-0] purum >98%(NT); d ₄ ²⁰ 1.051; n _D ²⁰ 1.571	1 lt ≈ 1.05 kg	250 ml 23.—	1 lt 85.—	
4,5-Diamino-o-xylene see 41410 4,5-Dimethyl-o-phenylenediamine					
33425	Di-tert-amyl dicarbonate [(AMOC) ₂ O; Di-tert-amyl pyrocarbonate; Di-tert-pentyl dicarbonate] [CH ₃ CH ₂ C(CH ₃) ₂ OCO] ₂ O C ₁₂ H ₂₂ O ₅ M _r 246.31 purum >99%(GC); B.P. _{0.05} 70°; d ₄ ²⁰ 1.006; n _D ²⁰ 1.422	1 lt ≈ 1.01 kg	5 ml 29.—	25 ml 120.—	
o-Dianisidine see 33430 3,3'-Dimethoxybenzidine					
o-Dianisidine bisdiazotated Zinc double salt see 44660 Fast Blue B Salt					
3,3'-Dianisole-4,4'-bis-(3,5-diphenyltetrazolium chloride) see 88190 Tetrazoliumblue(chloride)					
33450	1,1'-Dianthrime [Di-(1,1'-anthraquinoyl)amine] (C ₆ H ₄ COC ₆ H ₃ CO) ₂ NH C ₂₈ H ₁₆ NO ₄ M _r 429.44 [82-22-4] p.a. M.P. >300°; Ash ~1%; Reagent for Boron	10 g 8.—	50 g 29.—	250 g 120.—	
Diantipyrylmethane see 66772 4,4'-Methylenedianipyrene					
33455	L-β,γ-Diarachinoyl-α-cephaline (1,2-Diarachinoyl-sn-glycero-3-phosphorylethanolamine) C ₄₅ H ₉₀ NO ₈ P M _r 804.20 purum M.P. 186-188°; [α] _D ²⁰ +4.75° (c = 5 in Chlf./Methanol 9:1)		100 mg 38.—	1 g 300.—	
33470	Diastase Malt 1:50 U.S.P.; 450 U/g; store in refrigerator [9000-92-4]		100 g 12.—	500 g 50.—	
33471	1,5-Diazabicyclo[4.3.0]non-5-ene (DBN) C ₇ H ₁₂ N ₂ M _r 124.19 [3001-72-7] pract. ~98%(GC); B.P. ₁₁ 96-98°; d ₄ ²⁰ 1.040; n _D ²⁰ 1.520	1 lt ≈ 1.04 kg	25 ml 35.—	100 ml 130.—	
33480	1,4-Diazabicyclo[2.2.2]octane , Dabco, TED (Triethylenediamine) 4.1/11; 50° C ₆ H ₁₂ N ₂ M _r 112.18 [280-57-9] purum >98%(NT); M.P. 157-159°		100 g 20.—	500 g 85.—	
33482	1,5-Diazabicyclo[5.4.0]undec-5-ene (1,8-7), DBU (2,3,4,6,7,8,9,10-Octa hydropyrimido[1.2-a]azepine) C ₉ H ₁₆ N ₂ M _r 152.24 [6674-22-2] purum ~97%(GC); B.P. ₁₁ 115°; d ₄ ²⁰ 1.022; n _D ²⁰ 1.521	1 lt ≈ 1.02 kg	10 ml 16.—	50 ml 67.—	
1,4-Diazacycloheptane see 53585 Homopiperazine					

			sFr.	sFr.
33485	Diazoacetylcholine bromide purum N:N:CHCOOCH ₂ CH ₂ N(CH ₃) ₃ Br C ₇ H ₁₄ BrN ₃ O ₂ M _r 252.12 [30273-97-3]		25 mg 40. —	100 mg 145. —
	Diazo-4-amino-4'-methoxydiphenylamine see 94820 Variamine Blue B salt			
	4-Diazobenzenesulfonic acid (Diazosulfanilic acid) *N ₂ C ₆ H ₄ SO ₃ ⁻ C ₆ H ₄ N ₂ O ₃ S M _r 184.17 [305-80-6]			
33490	purum p.a. >98% (S); moistened with water; explosive when dry; store in refrigerator		25 g 17. —	100 g 60. —
	Diazoethane precursor see 73830 2-Ethylamino-2-methyl-N-nitroso-4-pentanone			
	Diazoethane precursor see 73840 N-Nitroso-N-ethylurea			
	Diazo Fast Blue B salt see 44660 Fast Blue B salt			
	Diazomethane precursor see 73970 N-Nitroso-N-methyl-4-toluene-sulfonamide			
	Diazosulfanilic acid see 33490 4-Diazobenzenesulfonic acid			
	DIBAH see 38148 Diisobutylaluminium hydride			
33528	Dibenz[a,c]anthracene purum >97% (HPLC); M.P. 205-207° (1,2:3,4-Dibenzanthracene) 6.1/81g C ₂₂ H ₁₄ M _r 278.35 [215-58-7]		100 mg 55. —	
	Dibenz[a,h]anthracene (1,2:5,6-Dibenzanthracene) 6.1/81g C ₂₂ H ₁₄ M _r 278.35 [53-70-3]			
33530	puriss. ~98% (HPLC); M.P. 263-265°; λ _{max} 297 nm, log ε 5.24; for Cancer related research; Inhalation and contact with skin should be avoided	500 mg 50. —	1 g 95. —	5 g 400. —
	5H-Dibenz[b,f]azepine see 56802 Iminostilbene			
	Dibenz[b,e]azepine-6,11(5H)-dione see 69878 Morphanthridine-6,11-dione			
33532	Dibenzenesulfonimide purum >98% (T); M.P. 154-157° (Dibenzenesulfimide) (C ₆ H ₅ SO ₂) ₂ NH C ₁₂ H ₁₁ NO ₄ S ₂ M _r 297.36 [2618-96-4]		5 g 26. —	25 g 110. —
	Dibenzo-18-crown-6 (6,7,9,10,17,18,20,21-Octahydrodibenzo[b,k]-1,4,7,10,13,16-hexaoxacyclooctadecene) 6.1/22 C ₂₀ H ₂₄ O ₆ M _r 360.41 [14187-32-7]			
33531	purum >98% (UV); M.P. 161-163°; severe poison		5 g 16. —	25 g 67. —
33534	pract. >95% (UV); M.P. 160-163°; severe poison		10 g 15. —	50 g 63. —
	Dibenzo-24-crown-8 (6,7,9,10,12,13,20,21,23,24,26,27-Dodecahydrodibenz[b,n]-1,4,7,10,13,16,19,22-octaoxacyclotetracosene) 6.1/22 C ₂₂ H ₃₂ O ₈ M _r 448.52 [14174-09-5]			
33539	purum M.P. 102-107°		1 g 18. —	5 g 75. —
	5H-Dibenzo[a,d]cyclohepten-5-ol and -5-one see 33535 and 33536 5-Dibenzosuberanol and 5-Dibenzosuberone			
	2,3,8,9-Dibenzo-4,7-dimethyl-5,6-dihydro-1,10-phenanthroline (6,7-Dihydro-5,8-dimethyldibenzo[b,j]-o-phenanthroline) C ₂₂ H ₁₈ N ₂ M _r 310.40 [5298-71-5]			
33533	p.a. >97% (NT); M.P. 273-275°		1 g 25. —	5 g 105. —
	5,6-14,15-Dibenzo-1,4-dioxa-8,12-diazacyclopentadeca-5,14-diene (6,7,8,9,10,11,17,18-Octahydro-5H-dibenzo[e,n]-1,4,8,12-dioxadiazacyclopentadecene) C ₁₉ H ₂₄ N ₂ O ₂ M _r 312.42 [65639-43-2]			
33537	purum >98% (NT); M.P. 142-144°		1 g 35. —	5 g 145. —
42980	Dibenzofuran pract. ~80% (HPLC); M.P. 80-82° (Diphenylene oxide) C ₆ H ₄ C ₆ H ₄ O C ₁₂ H ₈ O M _r 168.20 [132-64-9]		250 g 12. —	1 kg 40. —
	2,3:5,6-Dibenzopyrazine see 77530 Phenazine			
	Dibenzopyridazine see 12330 Benzo[c]cinnoline			
33535	5-Dibenzosuberanol pract. M.P. 123-125° (5H-Dibenzo[a,d]cyclohepten-5-ol) C ₁₆ H ₁₂ O M _r 208.26 [10354-00-4]		10 g 15. —	50 g 63. —
33536	5-Dibenzosuberone pract. M.P. 87-88° (5H-Dibenzo[a,d]-cyclohepten-5-one) C ₁₆ H ₁₀ O M _r 206.25 [2222-33-5]		10 g 12. —	50 g 50. —
33538	5-Dibenzosuberol purum M.P. 92-95° (10,11-Dihydro-5H-dibenzo[a,d]cyclohepten-5-ol) C ₁₆ H ₁₄ O M _r 210.28 [1210-34-0]		25 g 24. —	100 g 90. —

				sFr.	sFr.
	5-Dibenzosuberone (10,11-Dihydro-5H-dibenzo(a,d)cyclohepten-5-one)				
	$C_{15}H_{12}O$	M_r 208.26	[1210-35-1]	50 g 18. —	250 g 75. —
33540	pract. ~95% (UV); M.P. 32-35°				
				10 g 9. —	50 g 34. —
42990	Dibenzothiophene purum >98% (GC); M.P. 97-99° (Diphenylene sulfide)				
	$C_{12}H_8S$	M_r 184.26	[132-65-0]		
	Dibenzoyl see 12150 Benzil				
	Dibenzoylmethane (1,3-Diphenyl-1,3-propanedione)				
	$(C_6H_5CO)_2CH_2$	$C_{15}H_{12}O_2$	M_r 224.26	10 g 12. —	50 g 50. —
33570	purum >98% (GC); M.P. 76-78°				
	Dibenzoyl peroxide see 33581 Benzoyl peroxide				
	Dibenzoyl-L-tartaric acid				
	$C_6H_5COOCH(COOH)CH(COOH)OCOC_6H_5 \cdot H_2O$	$C_{18}H_{14}O_8 \cdot H_2O$	M_r 376.32	25 g 7. —	100 g 18. —
33620	purum >98% (T); M.P. 88-91°; $[\alpha]_{540}^{20} - 134 \pm 4^\circ$; $[\alpha]_D^{20} - 110 \pm 4^\circ$ (c = 5 in Ethanol)				
	Dibenzoyl-D-tartaric acid				
	$C_6H_5COOCH(COOH)CH(COOH)OCOC_6H_5 \cdot H_2O$	$C_{18}H_{14}O_8 \cdot H_2O$	M_r 376.32		
	[2743-38-6]				
33610	purum >98% (T); M.P. 91-92°; $[\alpha]_{540}^{20} + 134 \pm 4^\circ$; $[\alpha]_D^{20} + 110 \pm 4^\circ$ (c = 5 in Ethanol); Ash <0.05%				
	Dibenzylamine				
	8/35	$(C_6H_5CH_2)_2NH$	$C_{14}H_{15}N$	M_r 197.28	[103-49-1]
33670	puriss. ~99% (GC); B.P. 125-126°; d_4^{20} 1.026; n_D^{20} 1.575				
33680	pract. >97% (GC); d_4^{20} 1.026; n_D^{20} 1.574				
				1 lt ≈ 1.03 kg	25 ml 13. —
				1 lt ≈ 1.03 kg	100 ml 11. —
					100 ml 50. —
					500 ml 46. —
	Dibenzyl disulfide see 33740 Benzyl disulfide				
	Dibenzylidithiocarbamic acid Sodium salt see 71485 Sodium dibenzylidithiocarbamate				
	Dibenzyl ether see 33630 Benzyl ether				
	N,N'-Dibenzylethylenediamine diacetate (sym.)				
	$C_6H_5CH_2NHCH_2CH_2NHCH_2C_6H_5 \cdot 2CH_3COOH$	$C_{16}H_{20}N_2 \cdot 2C_2H_4O_2$	M_r 360.46		
	[122-75-8]				
33650	puriss. >98% (NT); M.P. 115-117°; 1 g clearly and colourless soluble in 10 ml Methanol				
				100 g 14. —	500 g 60. —
	Dibenzyl ketone see 33790 1,3-Diphenyl-2-propanone				
33810	3,4-Dibenzylxybenzaldehyde purum >99% (T); M.P. 92-96°				
	$(C_6H_5CH_2O)_2C_6H_3CHO$	$C_{21}H_{18}O_3$	M_r 318.17	5 g 15. —	25 g 63. —
	[5447-02-9]				
	Dibenzyl phthalate				
	$C_6H_4(COOCH_2C_6H_5)_2$	$C_{22}H_{18}O_4$	M_r 346.39		
	[523-31-9]				
80096	purum M.P. 41-43°; stationary Phase for GC; N. Petzer, Chr. Dimitrov, J. Chromatogr. 23, 382 (1966)				
				25 g 63. —	
	Dibenzyl sulfide see 33820 Benzyl sulfide				
	Dibenzyl sulfoxide see 33830 Benzyl sulfoxide				
	2,5-Dibiphenyl-oxazole see 14550 2,5-Bis(4-biphenyl)oxazole				
	"Dibromantin" see 34140 1,3-Dibromo-5,5-dimethylhydantoin				
34171	Dibromoacetic acid purum >97% (T); M.P. 32-38°				
	8/21a1	$Br_2CHCOOH$	$C_2H_2Br_2O_2$	M_r 217.86	[631-64-1]
				25 g 17. —	100 g 60. —
	4,ω-Dibromoacetophenone see 17970 4-Bromophenacyl bromide				
33920	2,4-Dibromoaniline purum ~97% (NT); M.P. 79-81°				
	6.1/21	$Br_2C_6H_3NH_2$	$C_6H_3Br_2N$	M_r 250.93	[615-57-6]
				10 g 25. —	50 g 105. —
	1,2-Dibromobenzene				
	$C_6H_4Br_2$	M_r 235.92	[583-53-9]		
33971	purum >97% (GC); M.P. 5-8°; B.P. 90-95°; d_4^{20} 1.983; n_D^{20} 1.611				
				1 lt ≈ 1.98 kg	5 ml 24. —
					25 ml 100. —
	1,3-Dibromobenzene				
	$C_6H_4Br_2$	M_r 235.92	[108-36-1]		
33980	purum >97% (GC); B.P. 94-96°; d_4^{20} 1.952; n_D^{20} 1.608				
				1 lt ≈ 1.95 kg	10 ml 18. —
					50 ml 75. —

			sFr.	sFr.
33990	1,4-Dibromobenzene purum >97% (Br); M.P. 85-88°; Ash <0.2% $C_6H_4Br_2$ M_r 235.92 [106-37-6]		250 g 13. —	1 kg 45. —
33960	2,5-Dibromobenzoic acid purum >98% (T); M.P. 152-154° $Br_2C_6H_3COOH$ $C_7H_4Br_2O_2$ M_r 279.93 [610-71-9]		5 g 32. —	
34030	4,4'-Dibromobiphenyl pract. ~97% (Br); M.P. 160-163° $BrC_6H_4C_6H_4Br$ $C_{12}H_8Br_2$ M_r 312.02 [92-86-4]		100 g 25. —	
34040	1,3-Dibromobutane ("1,3-Butylenebromide") $CH_3CHBrCH_2CH_2Br$ $C_4H_8Br_2$ M_r 215.93 [107-80-2] purum >97% (GC); B.P. ₁₀ 58-60°; d_4^{20} 1.78; n_D^{20} 1.508	1 lt ≈ 1.78 kg	100 ml 18. —	500 ml 75. —
34050	1,4-Dibromobutane (Tetramethylene dibromide) $Br(CH_2)_4Br$ $C_4H_8Br_2$ M_r 215.93 [110-52-1] purum ~97% (GC); B.P. 194-196°; d_4^{20} 1.824; n_D^{20} 1.519	1 lt ≈ 1.82 kg	100 ml 15. —	500 ml 63. —
34060	trans-1,4-Dibromo-2-butene purum >98% (Br); M.P. 48-51°; B.P. ₁₀ 75-77° $BrCH_2CH:CHCH_2Br$ $C_4H_6Br_2$ M_r 213.91 [821-06-7]		25 g 23. —	100 g 85. —
34081	Dibromochloromethane (Chlorodibromomethane) 6.1/61 Br_2CHCl $CHBr_2Cl$ M_r 208.30 [124-48-1] pract. ~98% (GC); B.P. 115-118°; d_4^{20} 2.45; n_D^{20} 1.547	1 lt ≈ 2.45 kg	5 ml 32. —	25 ml 135. —
	5',5''-Dibromo-o-cresolsulfonphthalein see 17490 Bromocresol Purple			
34082	2,12-Dibromocyclododecanone purum M.P. 120-122° $CHBr(CH_2)_9CHBrCO$ $C_{12}H_{20}Br_2O$ M_r 340.11 [24459-40-3]		100 g 40. —	
34100	(±)-trans-1,2-Dibromocyclohexane $BrCH(CH_2)_4CHBr$ $C_6H_{10}Br_2$ M_r 241.96 [7429-37-0] pract. >97% (GC); B.P. ₁₅ 104°; d_4^{20} 1.789; n_D^{20} 1.552	1 lt ≈ 1.79 kg	100 ml 28. —	500 ml 120. —
34110	1,10-Dibromodecane (Decamethylene dibromide) $Br(CH_2)_{10}Br$ $C_{10}H_{20}Br_2$ M_r 300.09 [4101-68-2] pract. ~95% (GC); M.P. 25-27°; store in refrigerator		100 g 25. —	500 g 105. —
34125	Dibromodifluoromethane 6.1/61 CBF_2F_2 M_r 209.83 [75-61-6] purum >98% (GC); B.P. 24-25°; d_4^{20} 2.271; n_D^{20} 1.397	1 lt ≈ 2.27 kg	100 ml 45. —	500 ml 190. —
34140	1,3-Dibromo-5,5-dimethylhydantoin ("Dibromantin") 6.1/23 $BrNCONBrCOCH(CH_3)_2$ $C_5H_8Br_2N_2O_2$ M_r 285.93 [77-48-5] purum >97% (RT); M.P. 190-193° dec.; ~55% active Bromine		100 g 9. —	500 g 32. —
	4',5'-Dibromo-2',7'-dinitrofluorescein Disodium salt see 45260 Eosin Scarlet			
34150	1,12-Dibromododecane (Dodecamethylene dibromide) $Br(CH_2)_{12}Br$ $C_{12}H_{24}Br_2$ M_r 328.14 [3344-70-5] purum ~97% (GC); M.P. 38-40°; B.P. ₁₂ 185-188° (Lit.)		25 g 21. —	100 g 75. —
03505	1,2-Dibromoethane (Ethylene dibromide) 6.1/61a $BrCH_2CH_2Br$ $C_2H_4Br_2$ M_r 187.89 [106-93-4] purum >98% (GC); M.P. 8-11°; B.P. 131-133°; d_4^{20} 2.18; n_D^{20} 1.538	1 lt ≈ 2.18 kg	500 ml 18. —	1 lt 35. —
33910	1,2-Dibromoethylene (cis + trans) (Acetylene dibromide) 6.1/12c $BrCH:CHBr$ $C_2H_2Br_2$ M_r 185.86 [540-49-8] purum >98% (GC); B.P. 107-110°; d_4^{20} 2.25; n_D^{20} 1.542	1 lt ≈ 2.25 kg	25 ml 23. —	100 ml 85. —
34180	1,7-Dibromoheptane (Heptamethylene dibromide) $Br(CH_2)_7Br$ $C_7H_{14}Br_2$ M_r 258.01 [4549-31-9] purum >98% (GC); B.P. _{0.06} 63-70°; d_4^{20} 1.530; n_D^{20} 1.508	1 lt ≈ 1.53 kg	10 ml 35. —	
34191	1,6-Dibromohexane (Hexamethylene dibromide) $Br(CH_2)_6Br$ $C_6H_{12}Br_2$ M_r 243.98 [629-03-8] pract. ~97% (GC); M.P. -2- +2.5°; B.P. ₁₁ 112-114°; d_4^{20} 1.60; n_D^{20} 1.507	1 lt ≈ 1.60 kg	100 ml 16. —	500 ml 67. —
	3,5-Dibromo-2-hydroxybenzoic acid see 34340 4,5-Dibromo salicylic acid			
	2',7'-Dibromo-4'-hydroxymercurifluorescein Disodium salt see 63869 Mercury dibromofluorescein			
	2,6-Dibromo-N-(4-hydroxyphenyl)-1,4-benzoquinoneimine Sodium salt see 34267 2,6-Dibromophenolindophenol Sodium salt			

				sFr.	sFr.
34200	5,7-Dibromo-8-hydroxyquinoline (Bromoxin; 5,7-Dibromo-8-quinolinol) $C_9H_6Br_2NO$ M_r 302.96 [521-74-4] purum >97%(NT); M.P. 198-200°			100 g 22.—	500 g 90.—
	2,3-Dibromomalealdehydic acid see 69980 Mucobromic acid				
66730	Dibromomethane (Methylene bromide) 6.1/61 CH_2Br_2 M_r 173.84 [74-95-3] puriss. >99%(GC); B.P. 96-98°; d_4^{20} 2.495; n_D^{20} 1.541		1 lt ≈ 2.50 kg	100 ml 10.—	500 ml 40.—
34220	2,5-Dibromonitrobenzene purum ~96%(HPLC); M.P. 80-83° 6.1/21k $NO_2C_6H_3Br_2$ $C_6H_3Br_2NO_2$ M_r 280.92 [3460-18-2]			10 g 10.—	50 g 40.—
34240	1,9-Dibromononane (Nonamethylene dibromide) $Br(CH_2)_9Br$ $C_9H_{18}Br_2$ M_r 286.06 [4549-33-1] purum ~97%(GC); B.P. 198-200°; d_4^{20} 1.415; n_D^{20} 1.496		1 lt ≈ 1.42 kg	10 ml 22.—	50 ml 90.—
34250	1,8-Dibromooctane (Octamethylene dibromide) $Br(CH_2)_8Br$ $C_8H_{16}Br_2$ M_r 272.04 [4549-32-0] purum >97%(GC); M.P. 12-16°; B.P. 270-272° (slight decomposition Lit.); d_4^{20} 1.468; n_D^{20} 1.499		1 lt ≈ 1.47 kg	10 ml 16.—	50 ml 67.—
34259	1,4-Dibromopentane $Br(CH_2)_3CHBrCH_3$ $C_5H_{10}Br_2$ M_r 229.95 [24443-15-0] pract. >95%(GC); B.P. 199-202°; d_4^{20} 1.683; n_D^{20} 1.508		1 lt ≈ 1.68 kg	25 ml 22.—	100 ml 80.—
34260	1,5-Dibromopentane (Pentamethylene dibromide) $Br(CH_2)_5Br$ $C_5H_{10}Br_2$ M_r 229.95 [111-24-0] purum >98%(GC); B.P. 188-90°; d_4^{20} 1.698; n_D^{20} 1.512		1 lt ≈ 1.70 kg	100 ml 15.—	500 ml 63.—
34270	2,4-Dibromophenol pract. >95%(T); M.P. 32-37° 6.1/23 $Br_2C_6H_3OH$ $C_6H_4Br_2O$ M_r 251.92 [615-58-7]			100 g 10.—	500 g 40.—
34269	2,6-Dibromophenol purum >99%(HPLC); M.P. 53-56° 6.1/23 $Br_2C_6H_3OH$ $C_6H_4Br_2O$ M_r 251.92 [608-33-3]			1 g 35.—	5 g 145.—
34267	2,6-Dibromophenolindophenol Sodium salt [2,6-Dibromo-N-(4-hydroxyphenyl)-1,4-benzoquinoneimine Sodium salt] $O:C_6H_2Br_2:NC_6H_4ONa$ $C_{12}H_6Br_2NNaO_2$ M_r 379.00 [2582-33-4] (free phenol) p.a.			10 g 20.—	50 g 85.—
	5',5''-Dibromophenolsulfonphthalein see 18050 Bromophenol Red				
82260	1,2-Dibromopropane (Propylene dibromide) $CH_3CHBrCH_2Br$ $C_3H_6Br_2$ M_r 201.90 [78-75-1] purum >98%(GC); B.P. 140-143°; d_4^{20} 1.913; n_D^{20} 1.519		1 lt ≈ 1.91 kg	100 ml 20.—	500 ml 85.—
34280	1,3-Dibromopropane (Trimethylene dibromide) 6.1/12c $Br(CH_2)_3Br$ $C_3H_6Br_2$ M_r 201.90 [109-64-8] purum >99%(GC); B.P. 166-167°; d_4^{20} 1.977; n_D^{20} 1.522		1 lt ≈ 1.98 kg	100 ml 25.—	500 ml 105.—
34290	2,3-Dibromo-1-propanol $BrCH_2CHBrCH_2OH$ $C_3H_6Br_2O$ M_r 217.90 [96-13-6] purum >98%(GC); M.P. 8-10°; B.P. 94-96°; d_4^{20} 2.123; n_D^{20} 1.558		1 lt ≈ 2.12 kg	100 ml 18.—	500 ml 75.—
34295	2,3-Dibromopropene 6.1/12c $CH_2BrCBr:CH_2$ $C_3H_4Br_2$ M_r 199.88 [513-31-5] pract. >95%(GC); B.P. 140-142°; d_4^{20} 2.045; n_D^{20} 1.544		1 lt ≈ 2.04 kg	10 ml 20.—	50 ml 85.—
34300	2,3-Dibromopropionic acid purum >98%(T); M.P. 61-63°; store in refrigerator 8/21 $CH_2BrCHBrCOOH$ $C_3H_4Br_2O_2$ M_r 231.88 [600-05-5]			50 g 24.—	250 g 100.—
34330	2,6-Dibromopyridine pract. ~95%(GC); M.P. 117-119° $N:CBrcH:CHCH:CBrc$ $C_5H_3Br_2N$ M_r 236.90 [625-05-1]			25 g 31.—	100 g 115.—
	5,7-Dibromo-8-quinolinol see 34200 5,7-Dibromo-8-hydroxyquinoline				
34080	2,6-Dibromoquinone-4-chlorololide $CH:CBrcOCBr:CHC:NCl$ $C_8H_2Br_2ClNO$ M_r 299.36 [537-45-1] purum p.a. >98%(Br); M.P. 81-83°; for determination of phosphatase; store in refrigerator			10 g 22.—	

			sFr.	slr
34340	3,5-Dibromo salicylic acid (3,5-Dibromo-2-hydroxybenzoic acid) $\text{Br}_2\text{C}_6\text{H}_2(\text{OH})\text{COOH}$ $\text{C}_7\text{H}_4\text{Br}_2\text{O}_3$ M_r 295.93 [3147-55-5] purum >99%(T); M.P. 227-229°; 1 g clearly soluble in 10 ml Methanol		50 g 34. —	
34020	meso-2,3-Dibromosuccinic acid HOOCCHBrCHBrCOOH $\text{C}_4\text{H}_4\text{Br}_2\text{O}_4$ M_r 275.91 [526-78-3] purum >97%(T); M.P. 288-290° (det. in a sealed tube)		100 g 15. —	
	3',3''-Dibromothymolsulfonphthalein see 18460 Bromothymol Blue			
	3',3''-Dibromothymolsulfonphthalein Sodium salt see 18470 Bromothymol Blue Sodium salt			
34410	1,11-Dibromoundecane (Undecamethylene dibromide) $\text{Br}(\text{CH}_2)_{11}\text{Br}$ $\text{C}_{11}\text{H}_{22}\text{Br}_2$ M_r 314.12 [16696-65-4] purum >98%(GC); B.P. _{0.1} 140°; d_4^{20} 1.335; n_D^{20} 1.492	1 lt ≈ 1.34 kg	5 ml 20. —	25 ml 85. —
34420	α,α'-Dibromo-o-xylene [1,2-Bis(bromomethyl)benzene; o-Xylylene dibromide] 6.1/23a $\text{C}_6\text{H}_4(\text{CH}_2\text{Br})_2$ $\text{C}_8\text{H}_8\text{Br}_2$ M_r 263.97 [91-13-4] purum >97%(Br); M.P. 92-94°		25 g 16. —	100 g 55. —
34430	α,α'-Dibromo-m-xylene [1,3-Bis(bromomethyl)benzene; m-Xylylene dibromide] 6.1/23a $\text{C}_6\text{H}_4(\text{CH}_2\text{Br})_2$ $\text{C}_8\text{H}_8\text{Br}_2$ M_r 263.97 [626-15-3] purum ~97%(GC); M.P. 74-76°; 1 g clearly soluble in 10 ml Dioxane		10 g 15. —	50 g 63. —
34440	α,α'-Dibromo-p-xylene [1,4-Bis(bromomethyl)benzene; p-Xylylene dibromide] 6.1/23a $\text{C}_6\text{H}_4(\text{CH}_2\text{Br})_2$ $\text{C}_8\text{H}_8\text{Br}_2$ M_r 263.97 [623-24-5] purum >98%(GC); M.P. 143-145°		25 g 18. —	100 g 65. —
	3',3''-Dibromo-p-xyleneolsulfonphthalein see 18740 Bromoxyleneol Blue			
34787	Dibutoxyphenylphosphine pract. (Dibutyl phenylphosphonite) 6.1/81 $(\text{CH}_3\text{CH}_2\text{CH}_2\text{CH}_2\text{O})_2\text{PC}_6\text{H}_5$ $\text{C}_{14}\text{H}_{23}\text{O}_2\text{P}$ M_r 254.31 [13507-04-5]	1 lt ≈ 0.98 kg	25 ml 22. —	100 ml 80. —
02180	Dibutyl adipate purum >99%(GC); B.P. ₁₂ 178-180°; d_4^{20} 0.962; n_D^{20} 1.435 $\text{CH}_3(\text{CH}_2)_3\text{OCO}(\text{CH}_2)_4\text{COO}(\text{CH}_2)_3\text{CH}_3$ $\text{C}_{14}\text{H}_{26}\text{O}_4$ M_r 258.36 [105-99-7]	1 lt ≈ 0.96 kg	250 ml 14. —	1 lt 50. —
34490	Dibutylamine 8/35; 40° $(\text{CH}_3\text{CH}_2\text{CH}_2\text{CH}_2)_2\text{NH}$ $\text{C}_8\text{H}_{19}\text{N}$ M_r 129.25 [111-92-2] puriss. >99%(GC); B.P. 159-161°; d_4^{20} 0.761; n_D^{20} 1.417	1 lt ≈ 0.76 kg	100 ml 7. —	500 ml 24. —
34500	purum >98%(GC); B.P. 157-161°; d_4^{20} 0.760; n_D^{20} 1.417	1 lt ≈ 0.76 kg	500 ml 9. —	1 lt 16. —
34540	2-(Dibutylamino)ethanol (N,N-Dibutylethanolamine) 3/4; 95° $(\text{CH}_3\text{CH}_2\text{CH}_2\text{CH}_2)_2\text{NCH}_2\text{CH}_2\text{OH}$ $\text{C}_{10}\text{H}_{23}\text{NO}$ M_r 173.30 [102-81-8] pract. >98%(GC); B.P. ₃ 84-86° (Lit.); d_4^{20} 0.860; n_D^{20} 1.444	1 lt ≈ 0.86 kg	500 ml 24. —	
	Di-tert-butyl azodicarboxylate see 11625 di-tert-Butyl azodicarboxylate			
34625	3,5-Di-tert-butyl-o-benzoquinone purum M.P. 112-114° $\text{C}_{14}\text{H}_{20}\text{O}_2$ M_r 220.31 [3383-21-9]		5 g 18. —	25 g 75. —
	Dibutyl carbinol see 54310 5-Nonanol			
34640	N,N'-Di-tert-butyl carbodiimide 3/3; 35° $(\text{CH}_3)_3\text{CN}:\text{C}:\text{NC}(\text{CH}_3)_3$ $\text{C}_9\text{H}_{18}\text{N}_2$ M_r 154.26 [691-24-7] purum >99%(GC); B.P. ₁₂ 48-50°; d_4^{20} 0.800; n_D^{20} 1.429; Starting material for the preparation of N,N'-di-tert-butyl-N-methyl-carbodiimidium tetrafluoroborate, a potent agent to effect molecular dehydrations: K. Hartke et al., Liebig's Ann. Chem. 762, 167 (1972); R. C. Schnur, E. E. van Tamelen, J. Am. Chem. Soc. 97, 464 (1975)	1 lt ≈ 0.80 kg	5 ml 37. —	
34750	2,6-Di-tert-butyl-p-cresol (BHT; "Butylhydroxytoluene"; DBPC; 2,6-Di-tert-butyl-4-methylphenol) $[(\text{CH}_3)_3\text{C}]_2\text{C}_6\text{H}_2(\text{CH}_3)\text{OH}$ $\text{C}_{15}\text{H}_{24}\text{O}$ M_r 220.36 [128-37-0] purum >98%(GC); M.P. 69-71°; 1 g clearly and colourless soluble in 10 ml Methanol	250 g 9. —	1 kg 30. —	5 kg 135. —
34659	Di-tert-butyl dicarbonate , (BOC) ₂ O FLUKA (Di-tert-butyl pyrocarbonate) $[(\text{CH}_3)_3\text{COCO}]_2\text{O}$ $\text{C}_{10}\text{H}_{18}\text{O}_5$ M_r 218.25 [24424-99-5] puriss. biochim. >99.5%(GC); M.P. 22-24°; store in refrigerator	5 g 8. —	25 g 31. —	100 g 115. —
34660	purum >97%(GC); M.P. 21-22°; store in refrigerator; Reagent for the clean and rapid introduction of the acid labile BOC-protecting group in amino acids, peptides and proteins: D. S. Tarbell, Y. Yamamoto and B. M. Pope, Proc. Nat. Acad. US 69, 384 (1972); L. Moroder, A. Hallett, E. Wünsch, O. Keller and G. Wersin, Hoppe-Seyler's Z. physiol. Chem. (1976)	25 g 20. —	100 g 70. —	500 g 295. —

				sFr.	sFr.
	N,N-Dibutylethanolamine see 34540 2-(Dibutylamino)ethanol				
	Dibutyl ether see 34460 Butyl ether				
	Di-sec-butyl ether see 34480 sec-Butyl ether				
	Dibutyldiglycol see 32200 Diethylene glycol dibutyl ether				
	Di-tert-butyl disulfide see 34690 tert-Butyl disulfide				
49700	Di-tert-butyl glutarate purum (CH ₃) ₃ COCO(CH ₂) ₃ COOC(CH ₃) ₃ C ₁₃ H ₂₄ O ₄ M _r 244.33 [43052-39-7]	1 lt ≈ 0.95 kg	25 ml 55.—		
34710	2,5-Di-tert-butylhydroquinone pract. M.P. 216-218° [(CH ₃) ₃ C] ₂ C ₆ H ₂ (OH) ₂ C ₁₄ H ₂₂ O ₂ M _r 222.33 [88-58-4]		250 g 20.—	1 kg 70.—	
34715	3,5-Di-tert-butyl-4-hydroxybenzoic acid HOOCCH ₂ (OH)[C(CH ₃) ₃] ₂ C ₁₆ H ₂₂ O ₃ M _r 250.34 [1421-49-4] purum >99%(T); M.P. 207-209°; Antioxidans		100 g 10.—	500 g 40.—	
	Dibutyl ketone see 34720 5-Nonanone				
	Di-tert-butyl ketone see 34740 2,2,4,4-Tetramethyl-3-pentanone				
	Dibutyl maleate CH ₃ (CH ₂) ₃ OCOCH:CHCOO(CH ₂) ₃ CH ₃ C ₁₂ H ₂₀ O ₄ M _r 228.29 [105-75-9] purum >97%(GC); B.P. 277-279°; d ₄ ²⁰ 0.992; n _D ²⁰ 1.445 pract. >95%(GC)	1 lt ≈ 0.99 kg 1 lt ≈ 0.99 kg	250 ml 10.— 1 lt 15.—	1 lt 35.— 5 lt 63.—	
63239 63240	Di-tert-butyl malonate (CH ₃) ₃ COCOCH ₂ COOC(CH ₃) ₃ C ₁₁ H ₂₀ O ₄ M _r 216.28 [541-16-2] purum >98%(GC); M.P. -7--5°; B.P. 48-50°; d ₄ ²⁰ 0.965; n _D ²⁰ 1.418	1 lt ≈ 0.96 kg	10 ml 20.—	50 ml 85.—	
	2,6-Di-tert-butyl-4-methylphenol see 34750 2,6-Di-tert-butyl-p-cresol				
34775	2,6-Di-tert-butyl-4-methylpyridine purum >97%(GC); M.P. 32-34°; store in refrigerator (CH ₃) ₃ CC:CHC(CH ₃):CHC[C(CH ₃) ₃]:N C ₁₄ H ₂₃ N M _r 205.35 [38222-83-2]		5 g 34.—	25 g 145.—	
34781 34780	2,6-Di-tert-butyl-naphthalene (CH ₃) ₃ CC ₁₀ H ₆ C(CH ₃) ₃ C ₁₈ H ₂₄ M _r 240.39 [3905-64-4] purum M.P. 144-146° techn. M.P. 126-130°		50 g 40.— 250 g 35.—		
75720	Dibutyl oxalate pract. >98%(GC); B.P. 123-124° (Lit.); d ₄ ²⁰ 0.986; n _D ²⁰ 1.423 CH ₃ (CH ₂) ₃ OCOCOO(CH ₂) ₃ CH ₃ C ₁₀ H ₁₈ O ₄ M _r 202.25 [2050-60-4]	1 lt ≈ 0.99 kg	250 ml 12.—	1 lt 40.—	
75730	Di-tert-butyl oxalate purum M.P. 70-71° (CH ₃) ₃ COCOCOOOC(CH ₃) ₃ C ₁₀ H ₁₈ O ₄ M _r 202.25 [691-64-5]		10 g 30.—	50 g 125.—	
	Di-tert-butyl peroxide see 34790 tert-Butyl peroxide				
34785	2,4-Di-tert-butylphenol purum ~95%(GC); M.P. 54-56°; Antioxidans [(CH ₃) ₃ C] ₂ C ₆ H ₃ OH C ₁₄ H ₂₂ O M _r 206.33 [96-76-4]		500 g 13.—	1 kg 25.—	
34800	2,6-Di-tert-butylphenol purum >98%(GC); M.P. 34-37° [(CH ₃) ₃ C] ₂ C ₆ H ₃ OH C ₁₄ H ₂₂ O M _r 206.33 [128-39-2]		250 g 10.—	1 kg 35.—	
	Dibutyl phenylphosphinite see 34784 Dibutoxyphenylphosphine				
34810	Dibutyl phosphate (Phosphoric acid dibutylester) 6.1/81a (CH ₃ CH ₂ CH ₂ CH ₂ O) ₂ P(O)OH C ₈ H ₁₉ O ₄ P M _r 210.21 [107-66-4] techn. containing 30-50% Mono-; d ₄ ²⁰ 1.16; n _D ²⁰ 1.432	1 lt ≈ 1.16 kg	250 ml 9.—	1 lt 30.—	
34820	Dibutyl phosphite pract. d ₄ ²⁰ 0.986; n _D ²⁰ 1.424 (CH ₃ CH ₂ CH ₂ CH ₂ O) ₂ POH C ₈ H ₁₉ O ₃ P M _r 194.21 [1809-19-4]	1 lt ≈ 0.99 kg	100 ml 11.—	500 ml 46.—	
80100	Dibutyl phthalate C ₆ H ₄ [COO(CH ₂) ₃ CH ₃] ₂ C ₁₆ H ₂₂ O ₄ M _r 278.35 [84-74-2] puriss. p.a. B.P. 154-155°; d ₄ ²⁰ 1.046; n _D ²⁰ 1.493 Fluka-Guarantee: Assay (GC) >99.5 % Copper (Cu) <0.00001% Water (H ₂ O) <0.05 % Lead (Pb) <0.00001% Diethyl phthalate (GC) <0.5 % Cadmium (Cd) <0.00001% Iron (Fe) <0.00005% Zinc (Zn) <0.00001%	1 lt ≈ 1.05 kg	100 ml 10.—	500 ml 37.—	
80102	purum >98%(GC); B.P. 152-155°; d ₄ ²⁰ 1.046; n _D ²⁰ 1.493	1 lt ≈ 1.05 kg	1 lt 12.—	2.5 lt 26.—	
	Di-tert-butyl pyrocarbonate see 34659 Di-tert-butyl dicarbonate				



				sFr.	sFr.
84840	Dibutyl sebacate techn. ~50-70%(GC); B.P. 344-345°; d_4^{20} 0.94; n_D^{20} 1.443 $\text{CH}_3(\text{CH}_2)_3\text{OCO}(\text{CH}_2)_8\text{COO}(\text{CH}_2)_3\text{CH}_3$ $\text{C}_{18}\text{H}_{34}\text{O}_4$ M_r 314.47	1 lt $\approx$ 0.94 kg	250 ml 17. —	1 lt 60. —	
60950	Dibutyl suberate puriss. >99%(GC); B.P. _{0.1} 124-126°; d_4^{20} 0.948; n_D^{20} 1.438 $\text{CH}_3(\text{CH}_2)_3\text{OCO}(\text{CH}_2)_8\text{COO}(\text{CH}_2)_3\text{CH}_3$ $\text{C}_{18}\text{H}_{30}\text{O}_4$ M_r 286.42 [16090-77-0]	1 lt $\approx$ 0.95 kg	100 ml 28. —		
	Dibutyl sulfide see 34840 Butyl sulfide				
	Di-tert-butyl sulfide see 34860 tert-Butyl sulfide				
	Dibutyl sulfone see 34870 Butyl sulfone				
	Dibutyl L-tartrate $\text{CH}_3(\text{CH}_2)_3\text{OCO}(\text{CHOH})_2\text{COO}(\text{CH}_2)_3\text{CH}_3$ $\text{C}_{12}\text{H}_{22}\text{O}_6$ M_r 262.30 [87-92-3]				
95360	purum >98%(GC); M.P. 20-22°; B.P. ₁₃ 203° (Lit.); d_4^{20} 1.090; n_D^{20} 1.447; $[\alpha]_{546}^{20} + 13.0 \pm 1^\circ$; $[\alpha]_D^{20} + 10.5 \pm 1^\circ$ (c = 1 in Ethanol)	1 lt $\approx$ 1.09 kg	250 ml 26. —	1 lt 95. —	
34900	N,N'-Dibutylthiourea purum >98%(N); M.P. 64-65° 6.1/81d $\text{CH}_3(\text{CH}_2)_3\text{NHCSNH}(\text{CH}_2)_3\text{CH}_3$ $\text{C}_8\text{H}_{20}\text{N}_2\text{S}$ M_r 188.34 [109-46-6]		250 g 16. —		
34902	N,N'-Di-tert-butylthiourea pract.; M.P. 147-148° 6.1/81d $(\text{CH}_3)_3\text{CNHCSNHC}(\text{CH}_3)_3$ $\text{C}_8\text{H}_{20}\text{N}_2\text{S}$ M_r 188.34 [4041-95-6]		25 g 22. —	100 g 80. —	
	Dibutyltin diacetate 6.1/81f $(\text{CH}_3\text{CH}_2\text{CH}_2\text{CH}_2)_2\text{Sn}(\text{OCOCH}_3)_2$ $\text{C}_{12}\text{H}_{24}\text{O}_4\text{Sn}$ M_r 351.01 [1067-33-0]				
34910	purum M.P. 7-10°; d_4^{20} 1.308; n_D^{20} 1.471; store in refrigerator	1 lt $\approx$ 1.31 kg	100 ml 35. —		
34920	Dibutyltin dichloride pract. ~97%(Cl); M.P. 37-40°; store in refrigerator 6.1/81f $(\text{CH}_3\text{CH}_2\text{CH}_2\text{CH}_2)_2\text{SnCl}_2$ $\text{C}_8\text{H}_{18}\text{Cl}_2\text{Sn}$ M_r 303.83 [683-18-1]		100 g 18. —	500 g 75. —	
34930	Dibutyltin dilaurate pract. d_4^{20} 1.041; n_D^{20} 1.468; store in refrigerator 6.1/81f $(\text{CH}_3\text{CH}_2\text{CH}_2\text{CH}_2)_2\text{Sn}[\text{OCO}(\text{CH}_2)_{10}\text{CH}_3]_2$ $\text{C}_{32}\text{H}_{64}\text{O}_4\text{Sn}$ M_r 631.56 [77-58-7]	1 lt $\approx$ 1.04 kg	100 ml 10. —	500 ml 40. —	
	Dicarbonylacetylacetonato-rhodium(II) [Rhodium(II)dicarbonyl acetylacetonate] $\text{Rh}(\text{CO})_2(\text{C}_5\text{H}_7\text{O}_2)$ $\text{C}_7\text{H}_7\text{O}_4\text{Rh}$ M_r 258.04 [14874-82-9]				
35015	purum M.P. 144-147°		1 g 160. —		

DICARBOXYLIC ACIDS (Alkanedioic acids)

Dicarboxylic acid **C**₂ see 75690 Oxalic acid

Dicarboxylic acid **C**₃ see 63290 Malonic acid

Dicarboxylic acid **C**₄ see 14079 Succinic acid
see 67750 Methylmalonic acid

Dicarboxylic acid **C**₅ see 49660 Glutaric acid
see 04270 and 65910 Ethylmalonic and Methylsuccinic acid
see 40760 Dimethylmalonic acid

Dicarboxylic acid **C**₆ see 02130 Adipic acid
see 66980 and 66900 2- and 3-Methylglutaric acid
see 39660 and 39670 2,2- and 2,3-Dimethylsuccinic acid

Dicarboxylic acid **C**₇ see 80500 Pimelic acid
see 65505 and 32415 3-Methyladipic and Diethylmalonic acid
see 40320, 40330 and 40340 2,2-, 2,4- and 3,3-Dimethylglutaric acid

Dicarboxylic acid **C**₈ see 60930 Suberic acid

Dicarboxylic acid **C**₉ see 11470 Azelaic acid

Dicarboxylic acid **C**₁₀ see 84809 Sebacic acid

Dicarboxylic acid **C**₁₁ see 94040 Undecanedioic acid

Dicarboxylic acid **C**₁₂ see 44050 Dodecanedioic acid

Dicarboxylic acid **C**₁₃ see 91510 Tridecanedioic acid

Dicarboxylic acid **C**₁₄ see 87150 Tetradecanedioic acid

Dicarboxylic acid **C**₁₆ see 52230 Hexadecanedioic acid

					sFr.	sFr.
Dichloroacetaldehyde diethyl acetal						
35036	6.1/61	$\text{Cl}_2\text{CHCH}(\text{OC}_2\text{H}_5)_2$ $\text{C}_6\text{H}_{12}\text{Cl}_2\text{O}_2$ M_r 187.07 [619-33-0]				
		pract. >98%(GC); B.P. 182-185°; d_4^{20} 1.139; n_D^{20} 1.436	1 lt $\approx$ 1.14 kg	25 ml 24. —	100 ml 90. —	
1,3-Dichloroacetone (sym.) see 35040 1,3-Dichloro-2-propanone						
Dichloroacetic acid						
35810	8/21a2	Cl_2CHCOOH $\text{C}_2\text{H}_2\text{Cl}_2\text{O}_2$ M_r 128.94 [79-43-6]				
		puriss. $\sim$ 99%(T); M.P. 13-15°; B.P. 94-95°; d_4^{20} 1.57; n_D^{20} 1.466	1 lt $\approx$ 1.57 kg	100 ml 7. —	500 ml 20. —	
Dichloroacetyl chloride						
35079	8/22	Cl_2CHCOCl $\text{C}_2\text{HCl}_3\text{O}$ M_r 147.39 [79-36-7]				
		purum >98%(Cl); B.P. 102-108°; d_4^{20} 1.533; n_D^{20} 1.461	1 lt $\approx$ 1.53 kg	250 ml 21. —	1 lt 75. —	
35160	2,3-Dichloroaniline	pract. $\sim$ 85%(HPLC); M.P. 20-25°; B.P. 120-124°; d_4^{20} 1.37	1 lt $\approx$ 1.37 kg	100 ml 10. —	500 ml 37. —	
	6.1/21e	$\text{Cl}_2\text{C}_6\text{H}_3\text{NH}_2$ $\text{C}_6\text{H}_5\text{Cl}_2\text{N}$ M_r 162.02 [608-27-5]				
2,4-Dichloroaniline						
35170	6.1/21e	$\text{Cl}_2\text{C}_6\text{H}_3\text{NH}_2$ $\text{C}_6\text{H}_5\text{Cl}_2\text{N}$ M_r 162.02 [554-00-7]		10 g 10. —	50 g 37. —	
35180		purum >99%(HPLC); M.P. 61-63°		100 g 8. —	500 g 26. —	
		pract. >95%(HPLC); M.P. 60-62°				
35190	2,5-Dichloroaniline	pract. >98%(HPLC); M.P. 48-50°		500 g 20. —		
	6.1/21e	$\text{Cl}_2\text{C}_6\text{H}_3\text{NH}_2$ $\text{C}_6\text{H}_5\text{Cl}_2\text{N}$ M_r 162.02 [95-82-2]				
35200	2,6-Dichloroaniline	pract. >95%(HPLC); M.P. 36-38°		100 g 40. —	500 g 170. —	
	6.1/21e	$\text{Cl}_2\text{C}_6\text{H}_3\text{NH}_2$ $\text{C}_6\text{H}_5\text{Cl}_2\text{N}$ M_r 162.02 [608-31-1]				
35210	3,4-Dichloroaniline	pract. >97%(HPLC); M.P. 70-73°		250 g 10. —	1 kg 35. —	
	6.1/21e	$\text{Cl}_2\text{C}_6\text{H}_3\text{NH}_2$ $\text{C}_6\text{H}_5\text{Cl}_2\text{N}$ M_r 162.02 [95-76-1]				
35220	3,5-Dichloroaniline	pract. >97%(HPLC); M.P. 48-50°		25 g 10. —	100 g 32. —	
	6.1/21e	$\text{Cl}_2\text{C}_6\text{H}_3\text{NH}_2$ $\text{C}_6\text{H}_5\text{Cl}_2\text{N}$ M_r 162.02 [626-43-7]				
35223	2,3-Dichloroanisole	purum >97%(HPLC); M.P. 31-33°		50 g 24. —	250 g 100. —	
		$\text{CH}_3\text{OC}_6\text{H}_3\text{Cl}_2$ $\text{C}_7\text{H}_6\text{Cl}_2\text{O}$ M_r 177.03 [1984-59-4]				
35225	2,6-Dichloroanisole	pract. $\sim$ 90%(HPLC)		50 g 24. —	250 g 100. —	
		$\text{CH}_3\text{OC}_6\text{H}_3\text{Cl}_2$ $\text{C}_7\text{H}_6\text{Cl}_2\text{O}$ M_r 177.03 [1984-65-2]				
2,6-Dichlorobenzal chloride see 35246 2,6,α,α-Tetrachlorotoluene						
35250	2,4-Dichlorobenzaldehyde	pract. $\sim$ 97%(HPLC); M.P. 64-69°		100 g 18. —	500 g 75. —	
		$\text{Cl}_2\text{C}_6\text{H}_3\text{CHO}$ $\text{C}_7\text{H}_4\text{Cl}_2\text{O}$ M_r 175.02 [874-42-0]				
2,6-Dichlorobenzaldehyde						
35259		$\text{Cl}_2\text{C}_6\text{H}_3\text{CHO}$ $\text{C}_7\text{H}_4\text{Cl}_2\text{O}$ M_r 175.02 [83-38-5]		50 g 20. —	250 g 85. —	
35260		purum >99%(T); M.P. 69-71°		100 g 18. —	500 g 75. —	
		techn. $\sim$ 80%; containing some water				
35270	3,4-Dichlorobenzaldehyde	pract. M.P. 39-42°		100 g 45. —	500 g 190. —	
		$\text{Cl}_2\text{C}_6\text{H}_3\text{CHO}$ $\text{C}_7\text{H}_4\text{Cl}_2\text{O}$ M_r 175.02 [6287-38-3]				
1,2-Dichlorobenzene						
35330	3/4; 66°	$\text{C}_6\text{H}_4\text{Cl}_2$ M_r 147.00 [95-50-1]				
		puriss. p.a. >99%(GC); M.P. -16--14°; B.P. 179-180°; d_4^{20} 1.305; n_D^{20} 1.552	1 lt $\approx$ 1.31 kg	100 ml 8. —	500 ml 26. —	
35340		purum >98%(GC); M.P. -17--14°; B.P. 177-180°; d_4^{20} 1.305; n_D^{20} 1.551	1 lt $\approx$ 1.31 kg	1 lt 16. —	2.5 lt 35. —	
1,3-Dichlorobenzene						
35350	3/4; 67°	$\text{C}_6\text{H}_4\text{Cl}_2$ M_r 147.00 [541-73-1]				
		puriss. >99%(GC); M.P. -24--22°; B.P. 160-62°; d_4^{20} 1.288; n_D^{20} 1.546	1 lt $\approx$ 1.29 kg	100 ml 25. —	500 ml 105. —	
35360		purum >98%(GC); B.P. 170-173°; d_4^{20} 1.288; n_D^{20} 1.546; $\sim$ 0.5% 1,2-Dichlorobenzene; $\sim$ 0.1% 1,4-Dichlorobenzene	1 lt $\approx$ 1.29 kg	250 ml 17. —	1 lt 60. —	
35370	1,4-Dichlorobenzene	purum >99%(GC); M.P. 52-54°		1 kg 16. —		
	4.1/11; 66°	$\text{C}_6\text{H}_4\text{Cl}_2$ M_r 147.00 [106-46-7]				
35775	4,4'-Dichlorobenzhydrol	purum >97%(GC); M.P. 91-93°		100 g 30. —	500 g 125. —	
		$(\text{ClC}_6\text{H}_4)_2\text{CHOH}$ $\text{C}_{13}\text{H}_{10}\text{Cl}_2\text{O}$ M_r 253.13 [90-97-1]				
35300	2,4-Dichlorobenzoic acid	purum >98%(T); M.P. 160-163°; Ash <0.05%		250 g 22. —	1 kg 80. —	
		$\text{Cl}_2\text{C}_6\text{H}_3\text{COOH}$ $\text{C}_7\text{H}_4\text{Cl}_2\text{O}_2$ M_r 191.02 [50-84-0]				

					sFr.	sFr.
35301	2,5-Dichlorobenzoic acid purum >98%(T); M.P. 151-154°; Ash <0.1% Cl ₂ C ₆ H ₃ COOH C ₇ H ₄ Cl ₂ O ₂ M _r 191.02 [50-79-3]				50 g 29. —	250 g 120. —
35310	2,6-Dichlorobenzoic acid purum >98%(T); M.P. 140-142° Cl ₂ C ₆ H ₃ COOH C ₇ H ₄ Cl ₂ O ₂ M _r 191.02 [50-30-6]				10 g 16. —	50 g 67. —
35321	3,5-Dichlorobenzoic acid pract. >98%(T); M.P. 184-187° Cl ₂ C ₆ H ₃ COOH C ₇ H ₄ Cl ₂ O ₂ M _r 191.02 [51-36-5]				5 g 20. —	25 g 85. —
35380	2,6-Dichlorobenzonitrile purum >98%(Cl); M.P. 140-143° 6.1/21 Cl ₂ C ₆ H ₃ CN C ₇ H ₃ Cl ₂ N M _r 172.02 [1194-65-6]				25 g 18. —	100 g 65. —
	2,4-Dichlorobenzoyl chloride 8/22 Cl ₂ C ₆ H ₃ COCl C ₇ H ₃ Cl ₃ O M _r 209.46 [89-75-8]					
35420	pract. >97%(Cl); M.P. 18-20°; d ₄ ²⁰ 1.50; n _D ²⁰ 1.593	1 lt ≈ 1.50 kg			50 ml 11. —	250 ml 46. —
	2,6-Dichlorobenzoyl chloride 8/22 Cl ₂ C ₆ H ₃ COCl C ₇ H ₃ Cl ₃ O M _r 209.46 [4659-45-4]					
35423	purum >98%(HPLC); M.P. 15-17°; B.P. ₁₅ 122-124°; d ₄ ²⁰ 1.466; n _D ²⁰ 1.560	1 lt ≈ 1.47 kg			10 ml 22. —	50 ml 90. —
35430	3,4-Dichlorobenzoyl chloride pract. >98%(Cl); M.P. 25-30°; store in refrigerator 8/22 Cl ₂ C ₆ H ₃ COCl C ₇ H ₃ Cl ₃ O M _r 209.46 [3024-72-4]				100 g 16. —	500 g 67. —
	2,4-Dichlorobenzyl alcohol Cl ₂ C ₆ H ₃ CH ₂ OH C ₇ H ₆ Cl ₂ O M _r 177.03 [1777-82-8]					
35448	purum >98%(GC); M.P. 57-59°; 1 g clearly soluble in 10 ml Methanol				25 g 20. —	100 g 70. —
35455	3,4-Dichlorobenzyl alcohol purum >98%(Cl); M.P. 37-39° Cl ₂ C ₆ H ₃ CH ₂ OH C ₇ H ₆ Cl ₂ O M _r 177.03 [1805-32-9]				10 g 18. —	50 g 75. —
35460	2,4-Dichlorobenzylamine pract. ~96%(GC); d ₄ ²⁰ 1.322; n _D ²⁰ 1.577 8/35 Cl ₂ C ₆ H ₃ CH ₂ NH ₂ C ₇ H ₇ Cl ₂ N M _r 176.05 [95-00-1]	1 lt ≈ 1.32 kg			5 ml 13. —	25 ml 55. —
	2,6-Dichlorobenzyl bromide see 35480 α-Bromo-2,6-dichlorotoluene					
	2,4-Dichlorobenzyl chloride see 35490 2,4,α-Trichlorotoluene					
	2,6-Dichlorobenzyl chloride see 35500 2,6,α-Trichlorotoluene					
	3,4-Dichlorobenzyl chloride see 35510 3,4,α-Trichlorotoluene					
	2,4-Dichlorobenzyl cyanide (2,4-Dichlorophenylacetonitrile) 6.1/21 Cl ₂ C ₆ H ₃ CH ₂ CN C ₈ H ₅ Cl ₂ N M _r 186.04 [6306-60-1]				10 g 20. —	50 g 85. —
35518	purum >98%(GC); M.P. 58-61°					
35520	2,6-Dichlorobenzyl cyanide purum ~98%(Cl); M.P. 73-75° (2,6-Dichlorophenylacetonitrile) 6.1/21 Cl ₂ C ₆ H ₃ CH ₂ CN C ₈ H ₅ Cl ₂ N M _r 186.04 [3215-64-3]				5 g 11. —	25 g 46. —
35530	3,4-Dichlorobenzyl cyanide purum >97%(Cl); M.P. 38-40° (3,4-Dichlorophenylacetonitrile) 6.1/21 Cl ₂ C ₆ H ₃ CH ₂ CN C ₈ H ₅ Cl ₂ N M _r 186.04 [3218-49-3]				25 g 24. —	100 g 90. —
	Dichlorobromomethane see 16895 Bromodichloromethane					
	1,4-Dichlorobutane (Tetramethylene dichloride) 3/3; 52° Cl(CH ₂) ₄ Cl C ₄ H ₈ Cl ₂ M _r 127.02 [110-56-5]					
35570	puriss. >99%(GC); B.P. 153-154°; d ₄ ²⁰ 1.138; n _D ²⁰ 1.454	1 lt ≈ 1.14 kg			100 ml 25. —	500 ml 105. —
35580	purum >97%(GC); B.P. 150-155°; d ₄ ²⁰ 1.133; n _D ²⁰ 1.454	1 lt ≈ 1.13 kg			250 ml 13. —	1 lt 45. —
	trans-1,4-Dichloro-2-butene 3/3; 27° ClCH ₂ CH:CHCH ₂ Cl C ₄ H ₆ Cl ₂ M _r 125.00 [110-57-6]					
35590	techn. ~50%(GC); B.P. 155-160°; d ₄ ²⁰ 1.188; n _D ²⁰ 1.489	1 lt ≈ 1.19 kg			250 ml 8. —	1 lt 25. —
	4,6-Dichloro-o-cresol (3,5-Dichloro-2-hydroxytoluene; 2,4-Dichloro-6-methylphenol) 6.1/22a Cl ₂ C ₆ H ₂ (OH)CH ₃ C ₇ H ₆ Cl ₂ O M _r 177.03 [1570-65-6]				100 g 16. —	
35910	pract. ~97%(HPLC); M.P. 50-53°					
35630	Dichlorocyanuric acid pract. [1,3-Dichloro-1,3,5-triazine-2,4,6(1H,3H,5H)-trione] 6.1/21 NHCONCICONCIÇO C ₃ HCl ₂ N ₃ O ₃ M _r 197.96 [2782-57-2]				500 g 29. —	
	cis-3,4-Dichlorocyclobutene CH:CHCHClCHCl C ₄ H ₄ Cl ₂ M _r 122.98 [2957-95-1]					
35635	purum >97%(GC); B.P. ₅₅ 74-76°; d ₄ ²⁰ 1.297; n _D ²⁰ 1.499	1 lt ≈ 1.30 kg			1 ml 38. —	5 ml 160. —
	Dichlorodicarbonyl-bis(triphenylphosphine)ruthenium(II) see 15258 Bis-(triphenylphosphine)-ruthenium(II)-dichlorodicarbonyl					
	1,3-Dichloro-2-dichloromethylbenzene see 35246 2,6,α,α-Tetrachlorotoluene					

					sFr.	sFr.
	2,3-Dichloro-5,6-dicyano-1,4-benzoquinone , DDQ (4,5-Dichloro-3,6-dioxo-1,4-cyclohexadiene-1,2-dicarbonitrile)					
	6.1/21 $\text{C}_6\text{Cl}_2\text{N}_2\text{O}_2$ M_r 227.01 [84-58-2]					
35680	purum $\sim 97\%$ (RT); M.P. 210-215° dec.; store in refrigerator				10 g 18. —	50 g 75. —
	1,2-Dichlorodiethyl ether see 35650 Ethyl 1,2-dichloroethyl ether					
	2,2'-Dichlorodiethyl ether see 35660 2-Chloroethyl ether					
	Dichlorodiethylsilane see 32120 Diethyldichlorsilane					
	2,5-Dichloro-3,6-dihydroxy-1,4-benzoquinone see 23360 Chloranilic acid					
	1,1-Dichloro-3,3-dimethylbutane					
	3/3; 38° $(\text{CH}_3)_3\text{CCH}_2\text{CHCl}_2$ $\text{C}_6\text{H}_{12}\text{Cl}_2$ M_r 155.07 [6130-96-7]					
35690	purum $> 98\%$ (GC); B.P. 148° (Lit.); d_4^{20} 1.03; n_D^{20} 1.438			1 lt $\approx$ 1.03 kg	50 ml 32. —	
	Dichlorodimethylsilane see 40140 Dimethyldichlorosilane					
	4,5-Dichloro-3,6-dioxo-1,4-cyclohexadiene-1,2-dicarbonitrile					
	see 35680 2,3-Dichloro-5,6-dicyano-1,4-benzoquinone					
	4,5-Dichloro-1,3-dioxolane-2-one (1,2-Dichloroethylene glycol carbonate)					
	QCOOCHClCHCl $\text{C}_3\text{H}_2\text{Cl}_2\text{O}_3$ M_r 156.95 [3967-55-3]					
35770	pract. B.P. 178°; d_4^{20} 1.594; n_D^{20} 1.461; store in refrigerator			1 lt $\approx$ 1.59 kg	100 ml 28. —	
	(2,4'-Dichlorodiphenyl)dichloroethane see 25925 1-(2-Chlorophenyl)-1-(4-chlorophenyl)-2,2-dichloroethane					
	4,4-Dichlorodiphenyl diselenide see 14665 Bis(4-chlorophenyl) diselenide					
	α,4-Dichlorodiphenylmethane					
	$\text{ClC}_6\text{H}_4\text{CH}(\text{Cl})\text{C}_6\text{H}_5$ $\text{C}_{13}\text{H}_{10}\text{Cl}_2$ M_r 237.13 [134-83-8]					
35780	purum $> 97\%$ (GC); d_4^{20} 1.242; n_D^{20} 1.601			1 lt $\approx$ 1.24 kg	100 ml 35. —	500 ml 145. —
	Dichlorodiphenylsilane see 42920 Diphenyldichlorosilane					
	4,4'-Dichlorodiphenyl sulfone see 35800 4-Chlorophenyl sulfone					
	(4,4'-Dichlorodiphenyl)trichloroethane see 14685 1,1-Bis-(4-chlorophenyl)-2,2,2-trichloroethane					
	1,1-Dichloroethane (Ethylidene chloride)					
	3/1a; 5° CH_3CHCl_2 $\text{C}_2\text{H}_4\text{Cl}_2$ M_r 98.96 [75-34-3]					
35100	purum $> 98\%$ (GC); B.P. 55-58°; d_4^{20} 1.173; n_D^{20} 1.416	1 lt $\approx$ 1.17 kg	100 ml 7. —	500 ml 34. —	1 lt 65. —	
	1,2-Dichloroethane (Ethylene chloride)					
	3/1a; 13° $\text{ClCH}_2\text{CH}_2\text{Cl}$ $\text{C}_2\text{H}_4\text{Cl}_2$ M_r 98.96 [107-06-2]					
03529	for sequential analysis			1 lt $\approx$ 1.25 kg	500 ml 42. —	
03530	puriss. p.a. B.P. 82-83°; d_4^{20} 1.253; n_D^{20} 1.444			1 lt $\approx$ 1.25 kg	1 lt 15. —	2.5 lt 33. —
	Fluka-Guarantee:					
	Assay (GC) $> 99.5\%$	%	Potassium (K)	$< 0.000005\%$		
	Water (H_2O) $< 0.03\%$	%	Sodium (Na)	$< 0.00001\%$		
	Residue on evaporation $< 0.002\%$	%	Iron (Fe)	$< 0.000005\%$		
	Acid (as HCl) $< 0.001\%$	%	Copper (Cu)	$< 0.000001\%$		
	Calcium (Ca) $< 0.00005\%$	%	Lead (Pb)	$< 0.000005\%$		
	Chromium (Cr) $< 0.00001\%$	%	Cadmium (Cd)	$< 0.000001\%$		
	Manganese (Mn) $< 0.000005\%$	%	Zinc (Zn)	$< 0.000001\%$		
03540	purum $> 99\%$ (GC); B.P. 82-84°; d_4^{20} 1.256; n_D^{20} 1.444			1 lt $\approx$ 1.26 kg	1 lt 11. —	5 lt 40. —
35110	2,2-Dichloroethanol purum $> 97\%$ (GC); B.P. 48-50°; d_4^{20} 1.42; n_D^{20} 1.474			1 lt $\approx$ 1.42 kg	5 ml 24. —	25 ml 100. —
	$\text{Cl}_2\text{CHCH}_2\text{OH}$ $\text{C}_2\text{H}_4\text{Cl}_2\text{O}$ M_r 114.96 [598-38-9]					
	1,1-Dichloroethylene see 95000 Vinylidene chloride					
	trans-1,2-Dichloroethylene (Acetylene dichloride)					
	3/1a; 6° ClCH:CHCl $\text{C}_2\text{H}_2\text{Cl}_2$ M_r 96.94 [156-60-5]					
35140	purum $> 99\%$ (GC); B.P. 47-49°; d_4^{20} 1.254; n_D^{20} 1.446			1 lt $\approx$ 1.25 kg	250 ml 17. —	1 lt 60. —
	1,2-Dichloroethylene glycol carbonate see 35770 4,5-Dichloro-1,3-dioxolane-2-one					
	1,2-Dichloroethyl ethyl ether see 35650 Ethyl dichloroethyl ether					
	2,2-Dichloroethyl methyl ether					
	3/3; 36° $\text{Cl}_2\text{CHCH}_2\text{OCH}_3$ $\text{C}_3\text{H}_6\text{Cl}_2\text{O}$ M_r 128.99 [34862-07-2]					
35147	pract. 90-95% (GC); B.P. 120-122°; d_4^{20} 1.228; n_D^{20} 1.438			1 lt $\approx$ 1.23 kg	100 ml 28. —	500 ml 120. —



			sFr.	sFr.
	4',5'-Dichlorofluorescein [C.I. Nr. 45365] 2-HOOC-C ₆ H ₄ -C ₆ H ₂ -4-Cl-3-(O)OC ₆ H ₂ -5-Cl-6-OH C ₂₀ H ₁₀ Cl ₂ O ₅ M _r 401.21 [2320-96-9]			
35850	Standard Fluka Ads.-Indicator for Cl ⁻ -Titration; Fluorescent indicator		10 g 20. —	50 g 85. —
	1,2-Dichloro-1,1,2,3,3,3-hexafluoropropane CF ₂ ClCFClCF ₃ C ₃ Cl ₂ F ₆ M _r 220.93			
35851	purum >98% (GC); B.P. 33-34°; d ₄ ²⁰ 1.590; n _D ²⁰ 1.304	1 lt ≈ 1.59 kg	10 ml 20. —	50 ml 85. —
	1,8-Dichlorohexane (Hexamethylene dichloride) 3/4; 77° Cl(CH ₂) ₆ Cl C ₆ H ₁₂ Cl ₂ M _r 155.07 [2163-00-0]			
35860	purum >97% (GC); B.P. 87-90°; d ₄ ²⁰ 1.066	1 lt ≈ 1.07 kg	250 ml 22. —	
	D(—)-2,2-Dichloro-N-[β-hydroxy-α-(hydroxymethyl)-p-nitrophenylethyl]acetamide see 23275 Chloramphenicol			
	2,6-Dichloro-N-(4-hydroxyphenyl)-1,4-benzoquinoneimine Sodium salt see 36180 2,6-Dichlorophenolindophenol Sodium salt			
35879	5,7-Dichloro-8-hydroxyquinaldine purum >98% (NT); M.P. 108-112° dec. Cl ₂ C ₆ H(OH)N:C(CH ₃)CH:CH C ₁₀ H ₇ Cl ₂ NO M _r 228.08 [72-80-0]		50 g 24. —	250 g 90. —
35880	5,7-Dichloro-8-hydroxyquinoline purum >98% (NT); M.P. 178-180° HO-C ₆ HCl ₂ CH:CHCH:N C ₉ H ₅ Cl ₂ NO M _r 214.05 [773-76-2]		100 g 28. —	
	3,5-Dichloro-2-hydroxytoluene see 35910 4,6-Dichloro-o-cresol			
	2,6-Dichloroindophenol Sodium salt see 36180 2,6-Dichlorophenolindophenol Sodium salt			
	α,β-Dichloroisobutyric acid Sodium salt (2,3-Dichloro-2-methylpropionic acid Sodium salt) ClCH ₂ CCl(CH ₃)COONa C ₄ H ₅ Cl ₂ NaO ₂ M _r 178.98 [1899-36-1]			
35900	purum		10 g 20. —	50 g 85. —
	2,3-Dichloromalealdehydic acid see 69990 Mucochloric acid			
35920	2,3-Dichloromaleic anhydride pract. ~95% (T); M.P. 105-115° O=C(Cl)C(Cl)=O C ₄ Cl ₂ O ₃ M _r 166.95 [1122-17-4]		100 g 25. —	500 g 105. —
	Dichloromethane (Methylene chloride) 6.1/61 CH ₂ Cl ₂ M _r 84.93 [75-09-2]			
66740	puriss. p.a.	1 lt ≈ 1.32 kg	1 lt 12. —	2.5 lt 26. —
	Fluka-Guarantee:			
	Assay (GC) >99.0 %	Lead (Pb) <0.00001 %		
	Residue on evaporation <0.002 %	Cobalt (Co) <0.00001 %		
	Water (H ₂ O) <0.05 %	Nickel (Ni) <0.00001 %		
	Formaldehyde (HCHO) <0.0005 %	Cadmium (Cd) <0.000005 %		
	Ethanol (GC) <0.3 %	Iron (Fe) <0.00005 %		
	Copper (Cu) <0.000005 %	Zinc (Zn) <0.000005 %		
66743	for IR-Spectroscopy	1 lt ≈ 1.32 kg	250 ml 9. —	1 lt 28. —
66745	for UV-Spectroscopy; stab. with 20 ppm Amylene	1 lt ≈ 1.32 kg	500 ml 15. —	1 lt 28. —
	Fluka-Guarantee:			
	Layer thickness: 1 cm; Reference cell: Water			
	Wave length in nm: 235 240 250 260 280			
	Transmittance in %: 10 47 87 95 >99			
66747	for pesticide residue analysis; Distilled in Glass; Original packaging of Burdick and Jackson Laboratories Inc.	1 quart ≈ 0.95 lt	30. —	
66748	for HPLC; B.P. 40°; n _D ²⁰ 1.424; UV cut-off 230 nm; Solvent strength ε (Al ₂ O ₃) 0.42; Water <0.05 %	1 lt ≈ 1.32 kg	1 lt 13. —	2.5 lt 29. —
66750	purum >98% (GC); B.P. 37-40°; d ₄ ²⁰ 1.323; n _D ²⁰ 1.424; <0.3 % C ₂ H ₅ OH	1 lt ≈ 1.32 kg	1 lt 10. —	5 lt 40. — 25 lt 125. —
35933	8,9-Dichloro-2-methoxyacridine pract. >97% (Cl); M.P. 163-165° C ₁₄ H ₉ Cl ₂ NO M _r 278.14 [86-38-4]		50 g 20. —	
	(Dichloromethyl)benzene see 11990 α,α-Dichlorotoluene			
	Dichloromethylene dimethylimmonium chloride ("Phosgeniminium chloride") Cl ₂ C:N(CH ₃) ₂ (Cl) C ₃ H ₆ Cl ₃ N M _r 162.45			
35941	purum ~98% (Cl); M.P. ~185° dec.; extremely hygroscopic; Highly versatile synthetic intermediate: Z. Janousek, H. G. Viehe in "Advances in Organic Chemistry: Methods and Results", E. C. Taylor ed., Vol. 9, Part 1: "Iminium Salts in Organic Chemistry", H. Böhme, H. G. Viehe ed., John Wiley & Sons, 343 (1976); H. G. Viehe, Chem. Ind. 386 (1977); L. Fieser, M. Fieser, "Reagents for Organic Synthesis", 6, 170		25 g 46. —	100 g 160. —



				sFr.	sFr.
	Dichloromethyl methyl ether				
35942	3/3; 24°	CHCl ₂ OCH ₃ C ₂ H ₄ Cl ₂ O M _r 114.96 [4885-02-3]			
		purum >98% (GC); B.P. 83-84°; d ₄ ²⁰ 1.292; n _D ²⁰ 1.430	1 lt ≈ 1.29 kg	25 ml 13. —	100 ml 45. —
	2,4-Dichloro-6-methylphenol see 35910 4,6-Dichloro-o-cresol				
	2,3-Dichloro-2-methylpropionic acid Sodium salt see 35900 α,β-Dichloroisobutyric acid Sodium salt				
	Dichloromethylsilane (Methyldichlorosilane)				
66630	8/23a; -10°	CH ₃ SiHCl ₂ CH ₄ Cl ₂ Si M _r 115.04 [75-54-7]			
		pract. ~98%; B.P. 40-45°; d ₄ ²⁰ 1.110; n _D ²⁰ 1.398	1 lt ≈ 1.11 kg	100 ml 11. —	500 ml 37. —
	Dichloromethylvinylsilane (Methylvinylchlorosilane)				
69680	8/23a; -1°	CH ₂ :CHSiCl ₂ CH ₃ C ₃ H ₆ Cl ₂ Si M _r 141.70 [124-70-9]			
		purum >98% (GC); B.P. 91-93°; d ₄ ²⁰ 1.085; n _D ²⁰ 1.430	1 lt ≈ 1.08 kg	100 ml 14. —	500 ml 60. —
	2,3-Dichloro-1,4-naphthoquinone				
35990		C ₆ H ₄ COCCl:CClCO C ₁₀ H ₄ Cl ₂ O ₂ M _r 227.05 [117-80-6]			
		purum p.a. >98% (CI); M.P. 192-195°; fungicide; spectrophotometric determination of hydrazides; Anal. Chem. 48, 1536 (1976)		100 g 12. —	500 g 50. —
36010	2,6-Dichloro-4-nitroaniline	pract. ~95% (HPLC); M.P. 186-189°		250 g 26. —	
	6.1/21f	NH ₂ C ₆ H ₂ Cl ₂ NO ₂ C ₆ H ₄ Cl ₂ N ₂ O ₂ M _r 207.02 [99-30-9]			
	2,3-Dichloronitrobenzene (vic.-Nitro-o-dichlorobenzene)				
36020	6.1/21k	Cl ₂ C ₆ H ₃ NO ₂ C ₆ H ₃ Cl ₂ NO ₂ M _r 192.00 [3209-22-1]			
		purum >98% (HPLC); M.P. 57-61°; H ₂ O ~2%		250 g 9. —	1 kg 28. —
	2,4-Dichloronitrobenzene (asym.-Nitro-m-dichlorobenzene)				
36030	6.1/21k	Cl ₂ C ₆ H ₃ NO ₂ C ₆ H ₃ Cl ₂ NO ₂ M _r 192.00 [611-06-3]			
		purum >98% (HPLC); M.P. 30-32°		100 g 9. —	500 g 32. —
36040	2,5-Dichloronitrobenzene	purum >98% (HPLC); M.P. 52-54° (Nitro-p-dichlorobenzene)		250 g 10. —	1 kg 35. —
	6.1/21k	Cl ₂ C ₆ H ₃ NO ₂ C ₆ H ₃ Cl ₂ NO ₂ M _r 192.00 [89-61-2]			
	3,4-Dichloronitrobenzene (asym.-Nitro-o-dichlorobenzene)				
36050	6.1/21k	Cl ₂ C ₆ H ₃ NO ₂ C ₆ H ₃ Cl ₂ NO ₂ M _r 192.00 [99-54-7]			
		purum >98% (HPLC); M.P. 39-41°		250 g 11. —	1 kg 38. —
	3,5-Dichloronitrobenzene (sym.-Nitro-m-dichlorobenzene)				
36060	6.1/21k	Cl ₂ C ₆ H ₃ NO ₂ C ₆ H ₃ Cl ₂ NO ₂ M _r 192.00 [618-62-2]			
		purum >98% (HPLC); M.P. 61-63°		25 g 21. —	100 g 75. —
36065	2,4-Dichloro-6-nitrophenol	purum >98% (HPLC); M.P. 121-122°		25 g 21. —	100 g 75. —
	6.1/81c	Cl ₂ C ₆ H ₂ (OH)NO ₂ C ₆ H ₃ Cl ₂ NO ₃ M _r 208.00 [609-89-2]			
36070	2,6-Dichloro-4-nitrophenol	purum >98% (CI); M.P. 123-125° dec.		25 g 16. —	100 g 55. —
	6.1/81c	Cl ₂ C ₆ H ₂ (OH)NO ₂ C ₆ H ₃ Cl ₂ NO ₃ M _r 208.00 [618-80-4]			
	1,5-Dichloropentane (Pentamethylene dichloride)				
36110	3/3; 41°	Cl(CH ₂) ₅ Cl C ₅ H ₁₀ Cl ₂ M _r 141.04 [628-76-2]			
		purum >98% (GC); B.P. 63-66°; d ₄ ²⁰ 1.100; n _D ²⁰ 1.457	1 lt ≈ 1.10 kg	100 ml 30. —	500 ml 125. —
	2,4-Dichlorophenacyl chloride see 91085 ω,2,4-Trichloroacetophenone				
36120	2,3-Dichlorophenol	purum >98% (HPLC); M.P. 56-57°		25 g 14. —	100 g 50. —
	6.1/81b	Cl ₂ C ₆ H ₃ OH C ₆ H ₄ Cl ₂ O M _r 163.00 [576-24-9]			
36130	2,4-Dichlorophenol	pract. ~95% (HPLC); M.P. 37-40°		250 g 7. —	1 kg 20. —
	6.1/81b	Cl ₂ C ₆ H ₃ OH C ₆ H ₄ Cl ₂ O M _r 163.00 [120-83-2]			
36140	2,5-Dichlorophenol	pract. >98% (HPLC); M.P. 54-57°		100 g 11. —	500 g 46. —
	6.1/81b	Cl ₂ C ₆ H ₃ OH C ₆ H ₄ Cl ₂ O M _r 163.00 [583-78-8]			
36150	2,6-Dichlorophenol	purum >98% (HPLC); M.P. 64-66°		25 g 11. —	100 g 38. —
	6.1/81b	Cl ₂ C ₆ H ₃ OH C ₆ H ₄ Cl ₂ O M _r 163.00 [87-65-0]			
36160	3,4-Dichlorophenol	purum >97% (HPLC); M.P. 65-67°		25 g 18. —	100 g 65. —
	6.1/81b	Cl ₂ C ₆ H ₃ OH C ₆ H ₄ Cl ₂ O M _r 163.00 [95-77-2]			
36170	3,5-Dichlorophenol	purum >98% (HPLC); M.P. 65-68°		25 g 14. —	100 g 50. —
	6.1/81b	Cl ₂ C ₆ H ₃ OH C ₆ H ₄ Cl ₂ O M _r 163.00 [591-35-5]			

				sFr.	sFr.
	2,6-Dichlorophenolindophenol Sodium salt [2,6-Dichloro-N-(4-hydroxyphenyl)-1,4-benzoquinoneimine Sodium salt; 2,6-Dichloroindophenol Sodium salt] O: C ₆ H ₂ Cl ₂ :NC ₆ H ₄ ONa.2H ₂ O C ₁₂ H ₆ Cl ₂ NNaO ₂ .2H ₂ O M _r 326.11 [620-45-1]				
36180	purum p.a. >98%(Cl, dry); for Vitamin C-titration; Redox Indicator			5 g 15. —	25 g 63. —
	3',3''-Dichlorophenolsulfonphthalein see 25870 Chlorophenol Red				
36200	2,3-Dichlorophenoxyacetic acid purum >98%(T); M.P. 170-172° 8/21 Cl ₂ C ₆ H ₃ OCH ₂ COOH C ₈ H ₆ Cl ₂ O ₃ M _r 221.04 [2976-74-1]			5 g 26. —	
36210	2,4-Dichlorophenoxyacetic acid (2,4-D) pract. ~97%(T); M.P. 134-138° 8/21 Cl ₂ C ₆ H ₃ OCH ₂ COOH C ₈ H ₆ Cl ₂ O ₃ M _r 221.04 [94-75-7]			250 g 10. —	1 kg 35. —
36213	2,4-Dichlorophenylacetic acid purum >97%(T); M.P. 128-130°; Ash ~0.5% Cl ₂ C ₆ H ₃ CH ₂ COOH C ₈ H ₆ Cl ₂ O ₂ M _r 205.04 [19719-28-9]			5 g 16. —	25 g 67. —
36215	2,6-Dichlorophenylacetic acid purum >98%(T); M.P. 158-160°; Ash <0.1% Cl ₂ C ₆ H ₃ CH ₂ COOH C ₈ H ₆ Cl ₂ O ₂ M _r 205.04 [6275-24-2]			5 g 20. —	25 g 85. —
	2,4-, 2,6- and 3,4-Dichlorophenylacetoneitrile see 35518, 35520 and 35530 2,4-, 2,6- and 3,4-Dichlorobenzyl cyanide				
36221	3,4-Dichlorophenyl isocyanate purum >98%(NT); M.P. 40-42° 6.1/21 Cl ₂ C ₆ H ₃ NCO C ₇ H ₃ Cl ₂ NO M _r 188.01 [102-36-3]			100 g 10. —	500 g 42. —
36235	3,5-Dichlorophenyl methyl sulfone pract. >97%(Cl); M.P. 113-115° Cl ₂ C ₆ H ₃ S(O) ₂ CH ₃ C ₇ H ₆ Cl ₂ O ₂ S M _r 255.10			250 g 22. —	1 kg 80. —
	P,P-Dichlorophenylphosphine (Phenylphosphonous dichloride) 6.1/81a C ₆ H ₅ PCl ₂ C ₆ H ₅ Cl ₂ P M _r 178.99 [644-97-3]				
36240	pract. >98%(Cl); B.P. 224-226°; d ₄ ²⁰ 1.319; n _D ²⁰ 1.597		1 lt ≈ 1.32 kg	250 ml 29. —	1 lt 105. —
	P,P-Dichlorophenylphosphine oxide (Phenylphosphonic dichloride) 6.1/81a C ₆ H ₅ POCl ₂ C ₆ H ₅ Cl ₂ OP M _r 194.99 [824-72-6]				
36242	pract. >97%(Cl); B.P. 93-94° (Lit.); d ₄ ²⁰ 1.399; n _D ²⁰ 1.559		1 lt ≈ 1.40 kg	50 ml 10. —	250 ml 40. —
36248	4,5-Dichlorophthalic acid purum >97%(T); M.P. 198-200° dec. Cl ₂ C ₆ H ₂ (COOH) ₂ C ₈ H ₄ Cl ₂ O ₄ M _r 235.03 [56962-08-4]			100 g 18. —	500 g 75. —
36250	3,6-Dichlorophthalic anhydride purum >98%(Cl); M.P. 189-191° Cl ₂ C ₆ H ₂ COOCO C ₈ H ₂ Cl ₂ O ₃ M _r 217.07 [4466-59-5]			5 g 160. —	
	1,2-Dichloropropane (Propylene dichloride) 3/1a; 15° CH ₃ CHClCH ₂ Cl C ₃ H ₆ Cl ₂ M _r 112.99 [78-87-5]				
82270	puriss. >99%(GC); B.P. 95-96°; d ₄ ²⁰ 1.158; n _D ²⁰ 1.439		1 lt ≈ 1.16 kg	250 ml 8. —	1 lt 25. —
82272	purum >98%(GC); B.P. 90-96°; d ₄ ²⁰ 1.156; n _D ²⁰ 1.439		1 lt ≈ 1.16 kg	1 lt 10. —	
	1,3-Dichloropropane (Trimethylene dichloride) 3/1a; 20° Cl(CH ₂) ₃ Cl C ₃ H ₆ Cl ₂ M _r 112.99 [142-28-9]				
36260	purum >98%(GC); B.P. 122-124; d ₄ ²⁰ 1.186; n _D ²⁰ 1.448		1 lt ≈ 1.19 kg	50 ml 29. —	250 ml 120. —
	2,2-Dichloropropane (Isopropylidene chloride) 3/1a; 20° CH ₃ CCl ₂ CH ₃ C ₃ H ₆ Cl ₂ M _r 112.99 [594-20-7]				
36270	purum ~98%(GC); B.P. 66-69°; d ₄ ²⁰ 1.090; n _D ²⁰ 1.415; store in refrigerator		1 lt ≈ 1.09 kg	10 ml 40. —	50 ml 170. —
	1,3-Dichloro-2-propanol (Glycerol-α,γ-dichlorohydrin) 6.1/12 (ClCH ₂) ₂ CHOH C ₃ H ₆ Cl ₂ O M _r 128.99 [96-23-1]				
36280	puriss. >99%(GC); B.P. 72-73°; d ₄ ²⁰ 1.365; n _D ²⁰ 1.483		1 lt ≈ 1.36 kg	100 ml 22. —	500 ml 90. —
36290	pract. >98%(GC); B.P. 174-176°; d ₄ ²⁰ 1.365; n _D ²⁰ 1.483		1 lt ≈ 1.36 kg	250 ml 14. —	1 lt 50. —
	1,3-Dichloro-2-propanone [1,3-Dichloroacetone (sym.)] 6.1/23e ClCH ₂ COCH ₂ Cl C ₃ H ₄ Cl ₂ O M _r 126.97 [534-07-6]				
35040	purum ~98%(GC); M.P. 40-42°			25 g 20. —	100 g 70. —
	1,1-Dichloro-1-propene 3/3; 35° CH ₃ CH:CCl ₂ C ₃ H ₄ Cl ₂ M _r 110.97 [563-54-2]				
36300	pract. ~97%(GC); B.P. 77-78° (Lit.); d ₄ ²⁰ 1.177; n _D ²⁰ 1.445; may also contain 1,2-Dichloro-1-propene		1 lt ≈ 1.18 kg	10 ml 25. —	50 ml 105. —
	1,3-Dichloropropene (cis + trans) 3/3; 35° ClCH ₂ CH:CHCl C ₃ H ₄ Cl ₂ M _r 110.97 [542-75-6]				
36310	techn. ~75-80%(GC); B.P. 97-112°; d ₄ ²⁰ 1.198; n _D ²⁰ 1.466		1 lt ≈ 1.20 kg	1 lt 28. —	

					sFr.	sFr.
2,3-Dichloro-1-propene						
3/1a	$\text{ClCH}_2\text{CCl:CH}_2$	$\text{C}_3\text{H}_4\text{Cl}_2$	M_r 110.97 [78-88-6]			
36318	puriss. >99%(GC); B.P. 93-95°; d_4^{20} 1.213; n_D^{20} 1.459 (precursor of Allen)			1 lt $\approx$ 1.21 kg	50 ml 20. —	250 ml 85. —
36319	pract. $\sim$ 97%(GC); B.P. 92-96°; d_4^{20} 1.213; n_D^{20} 1.461			1 lt $\approx$ 1.21 kg	100 ml 14. —	500 ml 50. —
2,3-Dichloropropionic acid purum >98%(T); M.P. 47-50°						
8/21	$\text{ClCH}_2\text{CHClCOOH}$	$\text{C}_3\text{H}_4\text{Cl}_2\text{O}_2$	M_r 142.97 [565-64-0]		25 g 33. —	100 g 120. —
2,2-Dichloropropionic acid Sodium salt pract. $\sim$ 95%(NT)						
36360	$\text{CH}_3\text{CCl}_2\text{COONa}$	$\text{C}_3\text{H}_3\text{Cl}_2\text{NaO}_2$	M_r 164.95 [127-20-8]		250 g 12. —	1 kg 40. —
2,3-Dichloropropionyl chloride						
8/22	$\text{CH}_2\text{ClCHClCOCl}$	$\text{C}_3\text{H}_3\text{Cl}_3\text{O}$	M_r 161.42 [7623-13-4]			
36355	purum >98%(Cl); B.P. 52-54°; d_4^{20} 1.473; n_D^{20} 1.477; Precursor of 2-Chloroacryloyl chloride a ketene equivalent: Review: S. Ranganathan, D. Ranganathan, A. K. Mehrota, Synthesis 289 (1977)			1 lt $\approx$ 1.47 kg	10 ml 25. —	50 ml 105. —
2,6-Dichloropyridine						
	N:CClCH:CHCH:CCl	$\text{C}_5\text{H}_3\text{Cl}_2\text{N}$	M_r 147.99 [2402-78-0]			
36400	purum >98%(Cl); M.P. 84-86°; 1 g clearly soluble in 20 ml Methanol				50 g 12. —	250 g 50. —
36410	3,5-Dichloropyridine purum >98%(Cl); M.P. 63-65				25 g 13. —	100 g 45. —
	N:CHCCl:CHCCl:CH	$\text{C}_5\text{H}_3\text{Cl}_2\text{N}$	M_r 147.99 [2457-47-8]			
36430	4,6-Dichloropyrimidine purum M.P. 63-66°; λ_{max} 253 nm, log ϵ 3.68				5 g 40. —	25 g 105. —
	N:CHN:CClCH:CCl	$\text{C}_4\text{H}_2\text{Cl}_2\text{N}_2$	M_r 148.98 [1193-21-1]			
35610	4,7-Dichloroquinoline pract. >97%(Cl); M.P. 83-87°				25 g 13. —	100 g 45. —
	$\text{ClC}_6\text{H}_3\text{N:CHCH:CCl}$	$\text{C}_8\text{H}_5\text{Cl}_2\text{N}$	M_r 198.05 [86-98-6]			
2,6-Dichloroquinone-4-chloroimide (N,2,6-Trichloro-p-benzoquinoneimide)						
	$\text{O:C}_6\text{H}_2\text{Cl}_2\text{:NCl}$	$\text{C}_6\text{H}_2\text{Cl}_3\text{NO}$	M_r 210.45 [101-38-2]			
35620	puriss. p.a. >99%(Cl); M.P. 65-68°; for colorimetric determination of Vitamin B ₆				10 g 18. —	50 g 75. —
Dichloro sulfide see 84690 Sulfur dichloride						
1,3-Dichloro-1,1,3,3-tetrafluoroacetone see 46510 1,3-Dichloro-1,1,3,3-tetrafluoro-2-propanone						
1,3-Dichloro-1,1,3,3-tetrafluoro-2-propanone (DCTFA; 1,3-Dichloro-1,1,3,3-tetrafluoroacetone)						
6.1/81b	$\text{ClCF}_2\text{COCF}_2\text{Cl}$	$\text{C}_3\text{Cl}_2\text{F}_4\text{O}$	M_r 198.93 [127-21-9]			
36510	purum >98%(GC); B.P. 43-46°; d_4^{20} 1.523; n_D^{20} 1.331			1 lt $\approx$ 1.52 kg	5 ml 20. —	25 ml 85. —
α,α-Dichlorotoluene [Benzal chloride; (Dichloromethyl)benzene]						
8/22	$\text{C}_6\text{H}_5\text{CHCl}_2$	$\text{C}_7\text{H}_6\text{Cl}_2$	M_r 161.03 [94-41-7]			
11990	puriss. $\sim$ 99%(GC); M.P. -17--15°; B.P. 82-84°; d_4^{20} 1.254; n_D^{20} 1.550			1 lt $\approx$ 1.25 kg	100 ml 30. —	500 ml 125. —
2,α-, 3,α- and 4,α-Dichlorotoluene see 23830, 23840 and 23850 2-, 3- and 4-Chlorobenzyl chloride						
2,4-Dichlorotoluene						
3/4; 79°	$\text{Cl}_2\text{C}_6\text{H}_3\text{CH}_3$	$\text{C}_7\text{H}_6\text{Cl}_2$	M_r 161.03 [95-73-8]			
36530	purum >98%(GC); B.P. 82-85°; d_4^{20} 1.247; n_D^{20} 1.546			1 lt $\approx$ 1.25 kg	100 ml 10. —	500 ml 42. —
36550	2,6-Dichlorotoluene purum >98%(GC); B.P. 73-76°; d_4^{20} 1.267; n_D^{20} 1.551			1 lt $\approx$ 1.27 kg	100 ml 15. —	500 ml 63. —
3/4; 79°	$\text{Cl}_2\text{C}_6\text{H}_3\text{CH}_3$	$\text{C}_7\text{H}_6\text{Cl}_2$	M_r 161.03 [118-69-4]			
36560	3,4-Dichlorotoluene purum >98%(GC); B.P. 87-90°; d_4^{20} 1.251; n_D^{20} 1.547			1 lt $\approx$ 1.25 kg	100 ml 13. —	500 ml 55. —
3/4; 90°	$\text{Cl}_2\text{C}_6\text{H}_3\text{CH}_3$	$\text{C}_7\text{H}_6\text{Cl}_2$	M_r 161.03 [95-75-0]			
1,3-Dichloro-1,3,5-triazine-2,4,6(1H,3H,5H)-trione see 35630 Dichlorocyanuric acid						
Dichlorotriethylene dioxide see 14620 1,2-Bis(-2-chloroethoxy)ethane						
Dichloro-tris(triphenylphosphine)-ruthenium(II) see 93405 Tris-(triphenylphosphine)- ruthenium(II)-dichloride						
α,α'-Dichloro-o-xylene [1,2-Bis(chloromethyl)benzene; o-Xylylene dichloride]						
6.1/23a	$\text{C}_6\text{H}_4(\text{CH}_2\text{Cl})_2$	$\text{C}_8\text{H}_8\text{Cl}_2$	M_r 175.06 [612-12-4]			
36570	pract. $\sim$ 95%(GC); M.P. 51-55°				25 g 16. —	100 g 55. —
α,α'-Dichloro-m-xylene [1,3-Bis(chloromethyl)benzene; m-Xylylene dichloride]						
6.1/23a	$\text{C}_6\text{H}_4(\text{CH}_2\text{Cl})_2$	$\text{C}_8\text{H}_8\text{Cl}_2$	M_r 175.06 [626-16-4]			
36580	purum >98%(GC); M.P. 33-35°				25 g 24. —	100 g 90. —

				sFr.	sFr.
	α,α'-Dichloro-p-xylene [1,4-Bis(chloromethyl)benzene; p-Xylylene dichloride]				
36586	6.1/23a	$C_6H_4(CH_2Cl)_2$ $C_8H_8Cl_2$ M_r 175.06 [623-25-6]			
		purum >98% (GC); M.P. 98-101°; 1 g clearly soluble in 20 ml Methanol		50 g 18. —	250 g 75. —
	Dicinnamyl see 43050 1,6-Diphenyl-1,3,5-hexatriene				
	Dicyanediarnide (Cyanoguanidine)				
		$NH_2C(:NH)NHCN$ $C_2H_4N_4$ M_r 84.08 [461-58-5]			
36600		purum >98% (N); M.P. 208-210°; 1 g clearly soluble in 10 ml water		1 kg 14. —	5 kg 60. —
	1,2-Dicyanobenzene see 80150 Phthalonitrile				
	1,3-Dicyanobenzene see 59230 Isophthalonitrile				
	1,4-Dicyanobenzene see 86441 Terephthalonitrile				
	Dicyanobis-o-phenanthroline Ferrous complex see 46275 Ferrocypen				
	1,4-Dicyano-1-butene (cis + trans) (2-Hexenedinitrile)				
53035	6.1/21	$NCCH_2CH_2CH:CHCN$ $C_6H_8N_2$ M_r 106.13 [13042-02-9]			
		techn. contains also ~10% 1,4-Dicyano-2-butene		250 g 16. —	1 kg 55. —
	trans-1,4-Dicyano-2-butene (Dihydromucononitrile; 3-Hexenedinitrile)				
53030	6.1/21	$NCCH_2CH:CHCH_2CN$ $C_6H_8N_2$ M_r 106.13 [1119-85-3]			
		pract. >97% (N); M.P. 75-77°		100 g 20. —	500 g 85. —
	1,10-Dicyanodecane (Dodecanedinitrile)				
44090	6.1/2b	$NC(CH_2)_{10}CN$ $C_{12}H_{20}N_2$ M_r 192.31 [4543-66-2]			
		purum M.P. 16-19°; B.P. 195° (Lit.)	1 lt $\approx$ 0.91 kg	100 ml 20. —	500 ml 85. —
	2,2'-Dicyanodiethyl ether see 75962 3,3'-Oxydipropionitrile				
	α,α-Dicianoethyl acetate (DAC)				
		$CH_3COOC(CN)_2CH_3$ $C_6H_8N_2O_2$ M_r 138.13 [7790-01-4]			
45893		purum >99% (GC); M.P. 70-71°; B.P. 73°; Reagent for selective N-acetylation; T. L. Ho, Synth. Commun. 4, 351 (1974)		5 g 29. —	
	trans-1,2-Dicyanoethylene see 47980 Fumaronitrile				
	1,6-Dicyanohexane see 60980 Suberonitrile				
	Dicyanomethane see 63390 Malononitrile				
	1,5-Dicyanopentane see 80530 Pimelonitrile				
	1,3-Dicyanopropane see 49730 Glutaronitrile				
	Dicyclohexano-18-crown-6 (Dicyclohexyl-18-crown-6; 2,5,8,15,18,21-Hexaoxatricyclo[20.4.0.0 ^{9,14}]-hexacosane; Perhydro-dibenzo-18-crown-6)				
36665	6.1/22	$C_{20}H_{36}O_6$ M_r 372.51 [16069-36-6]		5 g 26. —	25 g 120. —
36666		purum M.P. 48-58°; <2% Dibenzo-18-crown-6		10 g 28. —	50 g 120. —
		techn.			
	Dicyclohexano-24-crown-8 (Dicyclohexyl-24-crown-8; 2,5,8,11,18,21,24,27-Octaoxatricyclo[26.4.0.0 ^{12,17}]dotriacontane)				
36668	6.1/22	$C_{24}H_{44}O_8$ M_r 460.61 [17455-23-1]			
		purum ~97% (GC); M.P. -23- + 27°; d_4^{20} 1.102; n_D^{20} 1.488; <2% Dibenzo-24-crown-8	1 lt $\approx$ 1.10 kg	1 ml 25. —	5 ml 105. —
	Dicyclohexylamine				
36620	8/35; 99°	$CH_2(CH_2)_4CHNHCH(CH_2)_4CH_2$ $C_{12}H_{23}N$ M_r 181.32 [101-83-7]			
		puriss. p.a. >99.5% (GC); M.P. 0-1°; B.P. 119-120°; d_4^{20} 0.911; n_D^{20} 1.484	1 lt $\approx$ 0.91 kg	100 ml 10. —	500 ml 40. —
36630		purum >98% (GC); B.P. 117-120°; d_4^{20} 0.913; n_D^{20} 1.486	1 lt $\approx$ 0.91 kg	500 ml 10. —	1 lt 18. —
	Dicyclohexylamine nitrite				
36640	6.1/21	$CH_2(CH_2)_4CHNHCH(CH_2)_4CH_2.HNO_2$ $C_{12}H_{23}N.HNO_2$ M_r 228.34 [3129-91-7]			
		pract. >97% (NT); M.P. 190-193° dec.; corrosion inhibitor		100 g 32. —	500 g 135. —
	Dicyclohexylcarbinol see 36641 Dicyclohexylmethanol				
36650		N,N'-Dicyclohexylcarbodiimide puriss. ~99%; M.P. 33-35°		100 g 13. —	500 g 55. —
	8/35	$CH_2(CH_2)_4CHN:C:NCH(CH_2)_4CH_2$ $C_{13}H_{22}N_2$ M_r 206.33 [538-75-0]			
36660		N,N'-Dicyclohexyldithiooxamide (sym.) purum M.P. 149-151°		50 g 15. —	250 g 63. —
	6.1/81g	$CH_2(CH_2)_4CHNHCSCSNHCH(CH_2)_4CH_2$ $C_{14}H_{24}N_2S_2$ M_r 284.49 [122-36-1]			

			sFr.	sFr.
36641	Dicyclohexylmethanol purum M.P. 62-63° (Dicyclohexylcarbinol) $\text{CH}_2(\text{CH}_2)_4\text{CHCH}(\text{OH})\text{CH}(\text{CH}_2)_4\text{CH}_2$ $\text{C}_{13}\text{H}_{24}\text{O}$ M_r 196.34 [4453-82-1]		5 g 29. —	25 g 120. —
	N,N'-Dicyclohexyl-N-methylcarbodiimidium iodide Adduct 8/35 $\text{C}_{27}\text{H}_{47}\text{IN}_4$ M_r 554.61 [36049-77-1]			
36673	pract. ~95% (I); M.P. 109-112°; store in refrigerator; Reagent for Conversion of alcohols (even sterically hindered) into iodides. The reaction proceeds with inversion: R. Scheffold, E. Saladin, Angew. Chem. 84, 158 (1972)		10 g 25. —	50 g 105. —
	N,N'-Dicyclohexyl-4-morpholinecarboxamidine (Morpholino-N,N'-dicyclohexylguanidine) 6.1/81g $\text{CH}_2\text{CH}_2\text{OCH}_2\text{CH}_2\text{NC}[:\text{NCH}(\text{CH}_2)_4\text{CH}_2]\text{NHCH}(\text{CH}_2)_4\text{CH}_2$ $\text{C}_{17}\text{H}_{31}\text{N}_3\text{O}$ M_r 293.46 [4975-73-9]			
69886	purum		5 g 50. —	
36680	N,N'-Dicyclohexylthiourea (sym.) purum M.P. 179-181° $\text{CH}_2(\text{CH}_2)_4\text{CHNHCSNHCH}(\text{CH}_2)_4\text{CH}_2$ $\text{C}_{13}\text{H}_{24}\text{N}_2\text{S}$ M_r 240.41 [1212-29-9]		250 g 31. —	
36670	N,N'-Dicyclohexylurea (sym.) pract. M.P. 225-228° $\text{CH}_2(\text{CH}_2)_4\text{CHNHCONHCH}(\text{CH}_2)_4\text{CH}_2$ $\text{C}_{13}\text{H}_{24}\text{N}_2\text{O}$ M_r 224.35 [2387-23-7]		100 g 20. —	
	Dicyclopentadiene (Cyclopentadiene dimer; 4,7-Methano-3a,4,7,7a-tetrahydroindene) 3/3; 32° $\text{C}_{10}\text{H}_{12}$ M_r 132.21 [77-73-6]			
36691	pract. B.P. 171-175°; d_4^{20} 0.981; n_D^{20} 1.512	1 lt ≈ 0.98 kg	1 lt 10. —	5 lt 42. —
	Dicyclopentadienyl-Iron see 46260 Ferrocene			
	Dicyclopentadienyl-Titanium(IV)-dichloride see 89530 Titanocene dichloride			
36720	Dicyclopropyl ketone pract. ~95% (GC); B.P. 163-168; d_4^{20} 0.968; n_D^{20} 1.467 3/3; 51° $\text{CH}_2\text{CH}_2\text{CHCOCHCH}_2\text{CH}_2$ $\text{C}_7\text{H}_{10}\text{O}$ M_r 110.16 [1121-37-5]	1 lt ≈ 0.97 kg	10 ml 15. —	50 ml 63. —
80120	Didecyl phthalate pract. B.P. 265-268° (Lit.); d_4^{20} 0.966; n_D^{20} 1.485 $\text{C}_6\text{H}_4[\text{COO}(\text{CH}_2)_9\text{CH}_3]_2$ $\text{C}_{28}\text{H}_{46}\text{O}_4$ M_r 446.68 [84-77-5]	1 lt ≈ 0.97 kg	250 ml 8. —	1 lt 25. —
	2,6-Dideoxy-D-ribohexose see 37040 D (+)-Digitoxose			
	Dideuteromethylene chloride see 36776 Methylene chloride- d_2			
	Dideuterosulfuric acid see 36780 Sulfuric acid- d_2			
36820	DL-β-γ-Dilaidinoyl-α-lecithin purum M.P. 239-240° dec. $\text{C}_{44}\text{H}_{84}\text{NO}_8\text{P}$ M_r 786.14 [52088-89-8]		50 mg 55. —	
36830	Dieldrin pract. ~97% (Cl); M.P. 136-142° 6.1/81b $\text{C}_{12}\text{H}_8\text{Cl}_6\text{O}$ M_r 380.92 [60-57-1]		50 g 20. —	250 g 85. —
	L-Djenkolic acid (S,S'-Methylenedicysteine) $\text{CH}_2[\text{SCH}_2\text{CH}(\text{NH}_2)\text{COOH}]_2$ $\text{C}_7\text{H}_{14}\text{N}_2\text{O}_4\text{S}_2$ M_r 254.33 [498-59-9]			
36840	puriss. CHR; $[\alpha]_{546}^{20} -73.5 \pm 1^\circ$ (c = 2 in 1n HCl)		10 g 40. —	
	Diethanolamine [Bis(2-hydroxyethyl)amine; Iminodiethanol] $\text{HN}(\text{CH}_2\text{CH}_2\text{OH})_2$ $\text{C}_4\text{H}_{11}\text{NO}_2$ M_r 105.14 [111-42-2]			
31590	puriss. >99% (GC); M.P. 26-28°; B.P. 150-160°; $\text{H}_2\text{O} < 0.3\%$		250 g 14. —	1 kg 50. —
31600	purum ~98% (GC); M.P. 22-25°; <3% Aminoethanol + $\text{H}_2\text{O} < 0.6\%$		1 kg 11. —	5 kg 46. —
	1,4-Diethoxybenzene see 53980 Hydroquinone diethyl ether			
	Diethoxydimethylsilane (Dimethyldiethoxysilane) 3/1a; 6° $(\text{CH}_3)_2\text{Si}(\text{OC}_2\text{H}_5)_2$ $\text{C}_6\text{H}_{16}\text{O}_2\text{Si}$ M_r 148.28 [78-62-6]			
40120	purum ~97% (GC); B.P. 111-113°; d_4^{20} 0.840; n_D^{20} 1.383	1 lt ≈ 0.84 kg	100 ml 12. —	500 ml 50. —
	1,1-Diethoxyethane see 00109 Acetaldehyde diethyl acetal			
	1,2-Diethoxyethane (Ethylene glycol diethyl ether) 3/1a; 22° $\text{CH}_3\text{CH}_2\text{OCH}_2\text{CH}_2\text{OCH}_2\text{CH}_3$ $\text{C}_6\text{H}_{14}\text{O}_2$ M_r 118.18 [629-14-1]			
31601	purum ~98% (GC); B.P. 124-127°; d_4^{20} 0.842; n_D^{20} 1.393	1 lt ≈ 0.84 kg	25 ml 33. —	100 ml 120. —
	2,2-Diethoxyethylamine see 06570 2-Aminoacetaldehyde diethyl acetal			
	Diethoxymethane see 47640 Formaldehyde diethyl acetal			
	1,1-Diethoxypropane see 81890 Propionaldehyde diethyl acetal			
	3,3-Diethoxy-1-propene see 01690 Acrolein diethyl acetal			
	3,3-Diethoxy-1-propyne (Propargylaldehyde diethyl acetal; Propiolaldehyde diethyl acetal) 3/3; 31° $(\text{C}_2\text{H}_5\text{O})_2\text{CHC}\equiv\text{CH}$ $\text{C}_7\text{H}_{12}\text{O}_2$ M_r 128.17 [10160-87-9]			
31648	pract. >95% (GC); B.P. 138-139° (Lit.); d_4^{20} 0.895	1 lt ≈ 0.90 kg	5 ml 60. —	

				sFr.	sFr.
	2,5-Diethoxytetrahydrofuran (cis + trans)				
	3/3; 54°	$\text{QCH}(\text{OC}_2\text{H}_5)_2\text{CH}_2\text{CH}_2\text{CHOC}_2\text{H}_5$	$\text{C}_8\text{H}_{16}\text{O}_3$ M_r 160.22 [3320-90-9]		
31650		techn. ~80%(GC); B.P. 168-170°; d_4^{20} 0.969; n_D^{20} 1.419	1 lt ≈ 0.97 kg	25 ml 26. —	100 ml 95. —
	N,N-Diethylacetamide (Acetic acid diethylamide)				
	3/4; 76°	$\text{CH}_3\text{CON}(\text{C}_2\text{H}_5)_2$	$\text{C}_6\text{H}_{13}\text{NO}$ M_r 115.18 [685-91-6]		
31660		purum >97%(GC); B.P. 183-186°; d_4^{20} 0.908; n_D^{20} 1.438	1 lt ≈ 0.91 kg	100 ml 25. —	500 ml 105. —
00310	Diethyl acetamidomalonate purum >98%(N); M.P. 94-96°			50 g 12. —	250 g 50. —
		$\text{CH}_3\text{CONHCH}(\text{COOC}_2\text{H}_5)_2$ $\text{C}_9\text{H}_{16}\text{NO}_5$ M_r 217.22 [1068-90-2]			
	Diethylacetic acid see 03190 2-Ethylbutyric acid				
	N,N-Diethylacetoacetamide				
		$\text{CH}_3\text{COCH}_2\text{CON}(\text{C}_2\text{H}_5)_2$ $\text{C}_9\text{H}_{16}\text{NO}_2$ M_r 157.22 [2235-46-3]			
00470		purum ~97%(GC); B.P. 85-87°; d_4^{20} 0.994; n_D^{20} 1.471; appearance: yellow	1 lt ≈ 0.99 kg	250 ml 16. —	1 lt 55. —
	Diethyl 1,3-acetonedicarboxylate (Diethyl 3-oxoglutarate)				
	3/4; 71°	$\text{CO}(\text{CH}_2\text{COOC}_2\text{H}_5)_2$ $\text{C}_9\text{H}_{14}\text{O}_5$ M_r 202.21 [105-50-0]			
00620		purum B.P. 135-137°; d_4^{20} 1.11; store in refrigerator	1 lt ≈ 1.11 kg	25 ml 20. —	100 ml 70. —
00630		pract. B.P. 135-137°; d_4^{20} 1.11; appearance: yellowish; store in refrigerator	1 lt ≈ 1.11 kg	100 ml 28. —	500 ml 120. —
	Diethyl acetylenedicarboxylate				
	8/21	$\text{C}_2\text{H}_5\text{OCOC}::\text{CCOOC}_2\text{H}_5$ $\text{C}_8\text{H}_{10}\text{O}_4$ M_r 170.17 [762-21-0]			
01100		purum >98.5%(GC); M.P. 1-3°; B.P. 107-110°; d_4^{20} 1.068; n_D^{20} 1.443; Review: M. Baumgarth, Chemiker Ztg. 100, 515 (1976); ibid. 101, 118 (1977)	1 lt ≈ 1.07 kg	10 ml 15. —	50 ml 63. —
	Diethyl adipate				
		$\text{C}_2\text{H}_5\text{OCO}(\text{CH}_2)_4\text{COOC}_2\text{H}_5$ $\text{C}_{10}\text{H}_{18}\text{O}_4$ M_r 202.25 [141-28-6]			
02160		purum >99%(GC); M.P. -20--19°; B.P. 124-125°; d_4^{20} 1.007; n_D^{20} 1.427	1 lt ≈ 1.00 kg	250 ml 8. —	1 lt 28. —
06022	Diethyl allylmalonate purum >98%(GC); B.P. 222-223°; n_D^{20} 1.430			100 ml 25. —	500 ml 105. —
	3/4	$\text{CH}_2::\text{CHCH}_2\text{CH}(\text{COOC}_2\text{H}_5)_2$ $\text{C}_{10}\text{H}_{16}\text{O}_4$ M_r 200.24 [2049-80-1]	1 lt ≈ 1.01 kg		
	Diethylaluminum chloride (Chlorodiethylaluminum)				
	4.2/3	$(\text{C}_2\text{H}_5)_2\text{AlCl}$ $\text{C}_4\text{H}_{10}\text{AlCl}$ M_r 120.56 [96-10-6]			
31722			Cyl. with 0.25 lt; net ~150 g 200. —	(product price 75. —)	
31724			Cyl. with 1.50 lt; net ~1 kg 400. —	(product price 240. —)	
31728	Diethylaluminum hydride purum (Aluminumdiethanide monohydride)			Cyl. with net 150 g 200. —	
	4.2/3	$(\text{C}_2\text{H}_5)_2\text{AlH}$ $\text{C}_4\text{H}_{11}\text{Al}$ M_r 86.12 [871-27-2]			
	Diethylamine				
	3/5; -36°	$(\text{C}_2\text{H}_5)_2\text{NH}$ $\text{C}_4\text{H}_{11}\text{N}$ M_r 73.14 [109-89-7]			
31730		puriss. p.a. B.P. 55-56°; d_4^{20} 0.704; n_D^{20} 1.386	1 lt ≈ 0.70 kg	250 ml 8. —	1 lt 22. —
		Fluka-Guarantee:			
		Assay (GC) >99.0 %	Copper (Cu) <0.00001%		
		Residue on evaporation <0.001 %	Cadmium (Cd) <0.00001%		
		Iron (Fe) <0.00005%	Zinc (Zn) <0.0001 %		
31731		purum >98%(GC); B.P. 55-57°; d_4^{20} 0.704; n_D^{20} 1.386	1 lt ≈ 0.70 kg	1 lt 11. —	2.5 lt 24. —
31945	Diethylamine dihydrogenphosphate purum >98%(NT); M.P. 145-155°			100 g 18. —	500 g 75. —
		$(\text{C}_2\text{H}_5)_2\text{NH} \cdot \text{H}_3\text{PO}_4$ $\text{C}_4\text{H}_{11}\text{N} \cdot \text{H}_3\text{O}_4\text{P}$ M_r 171.14 [60159-97-9]			
31740	Diethylamine hydrochloride purum >98%(Cl); M.P. 227-229°			250 g 10. —	1 kg 35. —
		$(\text{C}_2\text{H}_5)_2\text{NH} \cdot \text{HCl}$ $\text{C}_4\text{H}_{11}\text{N} \cdot \text{HCl}$ M_r 109.60 [660-68-4]			
31750	Diethylaminoacetone purum			1 lt ≈ 0.86 kg	10 ml 35. —
	3/3; 36°	$\text{CH}_3\text{COCH}_2\text{N}(\text{C}_2\text{H}_5)_2$ $\text{C}_7\text{H}_{15}\text{NO}$ M_r 129.20 [1620-14-0]			
	Diethylaminoacetonitrile				
	6.1/21; 40°	$(\text{C}_2\text{H}_5)_2\text{NCH}_2\text{CN}$ $\text{C}_6\text{H}_{12}\text{N}_2$ M_r 112.17 [3010-02-4]			
31752		pract. >95%(GC); B.P. 168-170°; d_4^{20} 0.866; n_D^{20} 1.426	1 lt ≈ 0.87 kg	10 ml 16. —	50 ml 67. —
31830	4-Diethylaminobenzaldehyde purum >98%(NT); M.P. 37-41°			100 g 20. —	500 g 85. —
		$(\text{C}_2\text{H}_5)_2\text{NC}_6\text{H}_4\text{CHO}$ $\text{C}_{11}\text{H}_{15}\text{NO}$ M_r 177.25 [120-21-8]			
	2-Diethylaminoethanol (N,N-Diethylethanolamine)				
	3/3; 50°	$(\text{C}_2\text{H}_5)_2\text{NCH}_2\text{CH}_2\text{OH}$ $\text{C}_6\text{H}_{15}\text{NO}$ M_r 117.19 [100-37-8]			
31760		purum >99%(GC); B.P. 158-161°; d_4^{20} 0.883; n_D^{20} 1.442	1 lt ≈ 0.88 kg	500 ml 9. —	1 lt 16. —



			sFr.	sFr.
	2-Diethylaminoethanethiol hydrochloride (2-Diethylaminoethyl mercaptan hydrochloride)			
	(C ₂ H ₅) ₂ NCH ₂ CH ₂ SH.HCl C ₆ H ₁₅ NS.HCl M _r 169.72 [1942-52-5]			
31770	pract. ~95%(RT); M.P. ~170-175°		25 g 17.—	100 g 60.—
	2-(2-Diethylaminoethoxy)ethanol			
	3/3; 41° (C ₂ H ₅) ₂ NCH ₂ CH ₂ OCH ₂ CH ₂ OH C ₆ H ₁₅ NO ₂ M _r 161.25 [140-82-9]			
31780	pract. >97%(GC); B.P. ₁₀ 100-104°; d ₄ ²⁰ 0.941; n _D ²⁰ 1.448; residue after distillation <0.5%	1 lt ≈ 0.94 kg	100 ml 10.—	500 ml 40.—
	2-Diethylaminoethyl acrylate			
	3/4; 68° CH ₂ :CHCOOCH ₂ CH ₂ N(C ₂ H ₅) ₂ C ₉ H ₁₇ NO ₂ M _r 171.24 [2426-54-2]			
01785	pract. >95%(GC); B.P. 70° (Lit.); d ₄ ²⁰ 0.925; n _D ²⁰ 1.443	1 lt ≈ 0.93 kg	100 ml 11.—	500 ml 44.—
	2-Diethylaminoethylamine (N,N-Diethylethylenediamine)			
	8/35; 41° (C ₂ H ₅) ₂ NCH ₂ CH ₂ NH ₂ C ₆ H ₁₆ N ₂ M _r 116.21 [100-36-7]			
31790	purum >98%(GC); B.P. 143-145°; d ₄ ²⁰ 0.818; n _D ²⁰ 1.435	1 lt ≈ 0.82 kg	100 ml 16.—	500 ml 67.—
31801	2-(2-Diethylaminoethylamino)ethanol pract. >95%(GC) (C ₂ H ₅) ₂ NCH ₂ CH ₂ NHCH ₂ CH ₂ OH C ₈ H ₂₀ N ₂ O M _r 160.26 [51254-17-2]	1 lt ≈ 0.92 kg	10 ml 50.—	
	2-(Diethylamino)ethyl benzilate hydrochloride see 12210 Benactycine hydrochloride			
	Diethylaminoethylcellulose, DEAE 23-SH			
31804	p.a. capacity: 0.75-0.90 meq/g; cross linked fibres; 50-200 microns		50 g 20.—	250 g 85.—
	Diethylaminoethylcellulose, DEAE-23-SN			
31805	p.a. capacity: 0.4-0.55 meq/g; cross linked fibres; 50-200 microns		100 g 25.—	500 g 105.—
	Diethylaminoethylcellulose, DEAE-23-SS			
31806	p.a. Standard capacity: 0.55-0.75 meq/g; cross linked fibres; 50-200 microns		100 g 25.—	500 g 105.—
	Diethylaminoethylcellulose, DEAE-52			
31807	p.a. granulated, microcrystalline, cross linked pre-swallowed; ready for use; capacity 1.0 meq/g; 100-200 microns; moistened with 50% methanol; contains 30% dry substance		100 g 25.—	500 g 105.—
	Diethylaminoethylcellulose, DEAE-TLC			
31808	p.a. for TLC; <28 microns, without binder		25 g 12.—	100 g 40.—
	2-Diethylaminoethyl chloride hydrochloride (2-Chlorotriethylamine hydrochloride)			
	(C ₂ H ₅) ₂ NCH ₂ CH ₂ Cl.HCl C ₆ H ₁₄ ClN.HCl M _r 172.10 [869-24-9]			
31810	puriss. >99%(Cl); M.P. 210-212°		100 g 20.—	500 g 85.—
31820	pract. >95%(Cl); M.P. 208-212°		250 g 17.—	1 kg 60.—
	2-Diethylaminoethyl mercaptan hydrochloride see 31770 2-Diethylaminoethanethiol hydrochloride			
	Diethyl aminomalonate hydrochloride			
	NH ₂ CH(COOC ₂ H ₅) ₂ .HCl C ₇ H ₁₃ NO ₄ .HCl M _r 211.65 [13433-00-6]			
08360	purum >99%(Cl); M.P. 165-170° dec.; Ash <0.1%		10 g 25.—	50 g 105.—
	Diethylaminomethyl polystyrene			
31866	3.0-3.2 meq Base/g Resin; <0.03 meq Cl/g Resin; 200-400 mesh		10 g 35.—	50 g 145.—
31880	3-Diethylaminophenol pract. >98%(NT); M.P. 70-73° 6.1/21 (C ₂ H ₅) ₂ NC ₆ H ₄ OH C ₁₀ H ₁₅ NO M _r 165.24 [91-68-9]		100 g 13.—	500 g 55.—
	3-Diethylamino-1-propylamine (N,N-Diethyl-1,3-diaminopropane)			
	8/35; 52° (C ₂ H ₅) ₂ N(CH ₂) ₃ NH ₂ C ₇ H ₁₈ N ₂ M _r 130.23 [104-78-9]			
31930	purum >98%(GC); B.P. 169-171°; d ₄ ²⁰ 0.826; n _D ²⁰ 1.442	1 lt ≈ 0.83 kg	250 ml 10.—	1 lt 35.—
	1-Diethylaminopropyne (N,N-Diethyl-1-propynylamine)			
	3/1a; 20° CH ₃ CiCN(C ₂ H ₅) ₂ C ₇ H ₁₃ N M _r 111.19 [4231-35-0]			
31901	purum >97%(GC); B.P. 130-132°; d ₄ ²⁰ 0.803; n _D ²⁰ 1.444	1 lt ≈ 0.80 kg	10 ml 35.—	50 ml 145.—
	3-Diethylamino-1-propyne (N,N-Diethylpropargylamine)			
	3/1a; 20° HCiCCH ₂ N(CH ₂ CH ₃) ₂ C ₇ H ₁₃ N M _r 111.19 [4079-68-9]			
31903	puriss. for sequential analysis	1 lt ≈ 0.80 kg	50 ml 75.—	
31902	pract. ~95%(GC); B.P. 118-120°; d ₄ ²⁰ 0.804; n _D ²⁰ 1.432	1 lt ≈ 0.80 kg	100 ml 40.—	500 ml 170.—
	4-Diethylaminosalicylaldehyde (4-Diethylamino-2-hydroxybenzaldehyde)			
	(C ₂ H ₅) ₂ NC ₆ H ₃ (OH)CHO C ₁₁ H ₁₅ NO ₂ M _r 193.25 [17754-90-4]			
31939	pract. >98%(NT); M.P. 60-62°		100 g 30.—	500 g 125.—
	(Diethylamino)trimethylsilane see 32575 N,N-Diethyl-trimethylsilylamine			

				sFr.	sFr.
N,N-Diethylaniline					
6.1/21; 88° (C ₂ H ₅) ₂ NC ₆ H ₅ C ₁₀ H ₁₅ N M _r 149.24 [91-66-7]					
31960	puriss. p.a. monofree; >99%(GC); B.P. ₁₁ 94-95°; d ₄ ²⁰ 0.933; n _D ²⁰ 1.541		1 lt ≈ 0.93 kg	100 ml 7. —	500 ml 21. —
	Fluka-Guarantee:				
	Assay (GC)	>99.5 %	Copper (Cu)	<0.00001%	
	Nickel (Ni)	<0.00001%	Lead (Pb)	<0.00001%	
	Cobalt (Co)	<0.00001%	Cadmium (Cd)	<0.00001%	
	Iron (Fe)	<0.00005%	Zinc (Zn)	<0.00001%	
31970	purum >98%(GC); B.P. ₁₁ 92-95°; d ₄ ²⁰ 0.933; n _D ²⁰ 1.541		1 lt ≈ 0.93 kg	250 ml 8. —	1 lt 22. —
2,6-Diethylaniline (2-Amino-1,3-diethylbenzene)					
6.1/21 (C ₂ H ₅) ₂ C ₆ H ₃ NH ₂ C ₁₀ H ₁₅ N M _r 149.24 [579-66-8]					
31990	pract. >97%(GC); B.P. 249-251°; d ₄ ²⁰ 0.959; n _D ²⁰ 1.546		1 lt ≈ 0.96 kg	100 ml 9. —	500 ml 26. —
11511	Diethyl azelate pract. ~95%(GC); B.P. 291° (Lit.); d ₄ ²⁰ 0.972; n _D ²⁰ 1.434 C ₂ H ₅ OCO(CH ₂) ₇ COOC ₂ H ₅ C ₁₃ H ₂₄ O ₄ M _r 244.33 [624-17-9]		1 lt ≈ 0.97 kg	100 ml 16. —	500 ml 67. —
Diethyl azodicarboxylate					
C ₂ H ₅ OCON:NCOOC ₂ H ₅ C ₈ H ₁₀ N ₂ O ₄ M _r 174.16 [1972-28-7]					
11624	purum >98%(GC); B.P. 228-230°; d ₄ ²⁰ 1.13; n _D ²⁰ 1.422		1 lt ≈ 1.13 kg	10 ml 16. —	50 ml 67. —
5,5-Diethylbarbituric acid [Barbital; 5,5-Diethyl-2,4,6-(1H,3H,5H)-pyrimidinetrione; Veronal]					
(C ₂ H ₅) ₂ C ₅ CONHCONHCO C ₈ H ₁₂ N ₂ O ₃ M _r 184.20 [57-44-3]					
31995	puriss. p.a. Ph. Helv.; >99%(T); M.P. 189-191°; Ash <0.05%			100 g 12. —	500 g 50. —
32000	purum Ph. Helv.; >98%(T); M.P. 186-188°			100 g 10. —	500 g 37. —
5,5-Diethylbarbituric acid Sodium salt					
C ₈ H ₁₁ N ₂ NaO ₃ M _r 206.18 [144-02-5]					
32001	puriss. p.a. DAB >99%(NT); 1 g clearly and colourless soluble in 10 ml water			100 g 12. —	500 g 50. —
32002	purum >99%(NT); Buffer			100 g 10. —	500 g 37. —
1,2-Diethylbenzene					
3/3; 55° C ₆ H ₄ (C ₂ H ₅) ₂ C ₁₀ H ₁₄ M _r 134.22 [135-01-3]					
32008	puriss. >99.5%(GC); B.P. 183-184°; d ₄ ²⁰ 0.883; n _D ²⁰ 1.503		1 lt ≈ 0.88 kg	1 ml 18. —	5 ml 75. —
32009	pract. ~95%(GC); ~5% 1,3-Diethylbenzene + ~0.5% 1,4-Diethylbenzene; d ₄ ²⁰ 0.879; n _D ²⁰ 1.503		1 lt ≈ 0.88 kg	5 ml 34. —	25 ml 145. —
32011	1,3-Diethylbenzene purum >97%(GC); B.P. 181-182°; d ₄ ²⁰ 0.863; n _D ²⁰ 1.496 3/3; 55° C ₆ H ₄ (C ₂ H ₅) ₂ C ₁₀ H ₁₄ M _r 134.22 [142-93-5]		1 lt ≈ 0.86 kg	25 ml 29. —	100 ml 105. —
32020	1,4-Diethylbenzene purum >97%(GC); B.P. 182°; d ₄ ²⁰ 0.862; n _D ²⁰ 1.495 3/3; 55° C ₆ H ₄ (C ₂ H ₅) ₂ C ₁₀ H ₁₄ M _r 134.22 [105-05-5]		1 lt ≈ 0.86 kg	5 ml 40. —	25 ml 165. —
13471	Diethyl benzylidenemalonate puriss. >99%(GC); B.P. _{0.2} 130° C ₆ H ₅ CH:C(COOC ₂ H ₅) ₂ C ₁₄ H ₁₆ O ₄ M _r 248.28 [5292-53-5]			100 g 38. —	
Diethyl benzylmalonate					
3/4 C ₆ H ₅ CH ₂ CH(COOC ₂ H ₅) ₂ C ₁₄ H ₁₈ O ₄ M _r 250.30 [607-81-8]					
13532	purum >98%(GC); B.P. _{0.1} 105°; d ₄ ²⁰ 1.074; n _D ²⁰ 1.486		1 lt ≈ 1.07 kg	25 ml 14. —	100 ml 50. —
Diethyl bromomalonate					
BrCH(COOC ₂ H ₅) ₂ C ₇ H ₁₁ BrO ₄ M _r 239.07 [685-87-0]					
17500	pract. ~90-95%(GC); B.P. ₁₀ 116-118°; d ₄ ²⁰ 1.417; n _D ²⁰ 1.452		1 lt ≈ 1.42 kg	100 ml 40. —	500 ml 170. —
20201	Diethyl butylmalonate purum ~98%(GC); B.P. 235-240°; d ₄ ²⁰ 0.974; n _D ²⁰ 1.422 CH ₃ (CH ₂) ₃ CH(COOC ₂ H ₅) ₂ C ₁₁ H ₂₀ O ₄ M _r 216.28 [133-08-4]		1 lt ≈ 0.97 kg	100 ml 10. —	500 ml 40. —
Diethyl tert-butylmalonate					
3/4 (CH ₃) ₃ CCH(COOC ₂ H ₅) ₂ C ₁₁ H ₂₀ O ₄ M _r 216.28 [759-24-0]					
20203	purum ~97%(GC); B.P. _{0.03} 40-42°; d ₄ ²⁰ 0.979; n _D ²⁰ 1.425		1 lt ≈ 0.98 kg	1 ml 16. —	5 ml 67. —
Diethylcarbamoil chloride (Chloroformic acid diethylamide)					
8/22; 76° (C ₂ H ₅) ₂ NCOCI C ₈ H ₁₀ ClNO M _r 135.60 [88-10-8]					
32050	purum >98%(Cl); B.P. ₁₂ 76-78°; d ₄ ²⁰ 1.070; n _D ²⁰ 1.451		1 lt ≈ 1.07 kg	100 ml 13. —	500 ml 55. —
Diethyl carbinol see 76950 3-Pentanol					
1,1'-Diethyl-2,2'-carbocyanine iodide see 80560 Pinacyanol iodide					
Diethyl carbonate					
3/3; 25° (C ₂ H ₅ O) ₂ CO C ₈ H ₁₀ O ₃ M _r 118.13 [105-58-8]					
32070	puriss. p.a. >99.5%(GC); B.P. 125-126°; d ₄ ²⁰ 0.975; n _D ²⁰ 1.385		1 lt ≈ 0.98 kg	100 ml 10. —	500 ml 40. —
32080	purum >98%(GC); B.P. 124-126°; d ₄ ²⁰ 0.975; n _D ²⁰ 1.384		1 lt ≈ 0.98 kg	1 lt 22. —	2.5 lt 50. —



						sFr.	sFr.
Diethyl chlorophosphate							
32085	6.1/81a	(CH ₃ CH ₂ O) ₂ P(O)Cl C ₄ H ₁₀ ClO ₃ P M _r 172.55 [814-49-3]					
		purum >97%(Cl); B.P. ₁₈ 93-95° (Lit.); d ₄ ²⁰ 1.193; n _D ²⁰ 1.416		1 lt ≈ 1.19 kg	100 ml 14. —	500 ml 60. —	
32089	8/22	Diethyl chlorophosphite pract. >95%(Cl); B.P. 146-151°; d ₄ ²⁰ 1.093; n _D ²⁰ 1.437		1 lt ≈ 1.09 kg	10 ml 22. —	50 ml 90. —	
		(C ₂ H ₅ O) ₂ PCI C ₄ H ₁₀ ClO ₂ P M _r 156.55 [589-57-1]					
Diethyl cyclobutane-1,1-dicarboxylate							
28690		CH ₂ CH ₂ CH ₂ C(COOC ₂ H ₅) ₂ C ₁₀ H ₁₈ O ₄ M _r 200.24 [3779-29-1]					
		purum >98%(GC); B.P. ₁₂ 104-105°		1 lt ≈ 1.05 kg	25 ml 35. —		
Diethyl 1,4-cyclohexanedione-2,5-dicarboxylate (Diethyl 2,5-dioxo-1,4-cyclohexanedicarboxylate)							
29080		C ₂ H ₅ OCOCHCOCH ₂ CH(COOC ₂ H ₅)COCH ₂ C ₁₂ H ₁₈ O ₆ M _r 256.26 [787-07-5]			100 g 18. —	500 g 75. —	
		purum M.P. 126-128°					
N,N-Diethylcyclohexylamine (Hexahydro-N,N-diethylaniline)							
32100	3/4; 61°	(C ₂ H ₅) ₂ NCH(CH ₂) ₄ CH ₂ C ₁₀ H ₂₁ N M _r 155.29 [91-65-6]					
		purum >98%(GC); B.P. ₁₁ 73-75°; d ₄ ²⁰ 0.844; n _D ²⁰ 1.455		1 lt ≈ 0.84 kg	250 ml 17. —	1 lt 60. —	
Diethyl cyclopropane-1,1-dicarboxylate							
29920		CH ₂ CH ₂ C(COOC ₂ H ₅) ₂ C ₉ H ₁₄ O ₄ M _r 186.21 [1559-02-0]					
		purum >97%(GC); B.P. 90-92°; d ₄ ²⁰ 1.06; n _D ²⁰ 1.433		1 lt ≈ 1.06 kg	10 ml 25. —	50 ml 105. —	
Diethyl diallylmalonate							
32630	>95°	(CH ₂ :CHCH ₂) ₂ C(COOC ₂ H ₅) ₂ C ₁₃ H ₂₀ O ₄ M _r 240.30 [3195-24-2]					
		purum >97%(GC); B.P. 243-244° (Lit.); d ₄ ²⁰ 0.992; n _D ²⁰ 1.445		1 lt ≈ 0.99 kg	250 ml 35. —		
N,N-Diethyl-1,3-diaminopropane see 31930 3-Diethylamino-1-propylamine							
Diethyl dicarbonate see 32490 Diethyl pyrocarbonate							
Diethyldichlorosilane (Dichlorodiethylsilane)							
32120	8/23a; 21°	(C ₂ H ₅) ₂ SiCl ₂ C ₄ H ₁₀ Cl ₂ Si M _r 157.12 [1719-53-5]					
		purum ~99%(GC); B.P. 125-131°; d ₄ ²⁰ 1.052; n _D ²⁰ 1.430		1 lt ≈ 1.05 kg	5 ml 24. —	25 ml 100. —	
36610		Diethyl dicyanofumarate purum >99%(GC); M.P. 115-117°			10 g 22. —	50 g 90. —	
		C ₂ H ₅ OCOC(CN):C(CN)COOC ₂ H ₅ C ₁₀ H ₁₀ N ₂ O ₄ M _r 222.20 [35234-88-9]					
Diethyl diethylmalonate							
32420	3/4; 90°	(C ₂ H ₅) ₂ C(COOC ₂ H ₅) ₂ C ₁₁ H ₂₀ O ₄ M _r 216.28 [77-25-8]					
		purum >98%(GC); B.P. ₁₀ 102-105°; d ₄ ²⁰ 0.985; n _D ²⁰ 1.424		1 lt ≈ 0.98 kg	100 ml 11. —	500 ml 46. —	
Diethyldiglycol see 32190 Diethylene glycol diethyl ether							
Diethyl dimethylmalonate							
40762		(CH ₃) ₂ C(COOC ₂ H ₅) ₂ C ₉ H ₁₆ O ₄ M _r 188.23 [1619-62-1]					
		purum >97%(GC); B.P. 196-198°; d ₄ ²⁰ 0.996; n _D ²⁰ 1.412		1 lt ≈ 1.00 kg	10 ml 15. —		
Diethyl 2,5-dioxo-1,4-cyclohexanedicarboxylate see 29080 Diethyl 1,4-cyclohexanedione-2,5-dicarboxylate							
Diethyldithiocarbamic acid Lead salt see 15331 Lead diethyldithiocarbamate							
Diethyldithiocarbamic acid Sodium salt see 71480 Sodium diethyldithiocarbamate							
N,N-Diethyldodecanamide							
32140		CH ₃ (CH ₂) ₁₀ CON(C ₂ H ₅) ₂ C ₁₆ H ₃₃ NO M _r 255.45 [3352-87-2]					
		purum ~97%(GC); M.P. 3-4°; B.P. ₆ 172-176°; d ₄ ²⁰ 0.862; n _D ²⁰ 1.454			50 g 16. —		
Diethyl dodecanedioate							
44060		C ₂ H ₅ OCO(CH ₂) ₁₀ COOC ₂ H ₅ C ₁₆ H ₃₀ O ₄ M _r 286.42 [10471-28-0]					
		purum >98%(GC); B.P. _{0.1} 130-135°; d ₄ ²⁰ 0.95; n _D ²⁰ 1.441		1 lt ≈ 0.95 kg	100 ml 40. —		
Diethylenediamine see 80620 Piperazine anhydrous							
Diethylene glycol [Bis(2-hydroxyethyl) ether; Diglycol; 2-Hydroxyethyl ether; 2,2'-Oxydiethanol]							
32160		(HOCH ₂ CH ₂) ₂ O C ₄ H ₁₀ O ₃ M _r 106.12 [111-46-6]					
		puriss. p.a. M.P. -9--7°; B.P. ₁₁ 125-126°; d ₄ ²⁰ 1.114; n _D ²⁰ 1.446		1 lt ≈ 1.11 kg	100 ml 7. —	500 ml 17. —	1 lt 32. —
		Fluka-Guarantee:					
		Assay (GC)	>99.0 %	Nickel (Ni)	<0.00001%		
		Water (H ₂ O)	<0.05 %	Copper (Cu)	<0.00001%		
		Ethylene glycol	<0.8 %	Lead (Pb)	<0.00001%		
		Iron (Fe)	<0.00005%	Cadmium (Cd)	<0.00001%		
		Cobalt (Co)	<0.00001%	Zinc (Zn)	<0.00001%		
32170		purum >98%(GC); B.P. ₁₀ 123-126°; d ₄ ²⁰ 1.113; n _D ²⁰ 1.447		1 lt ≈ 1.11 kg	1 lt 12. —	2.5 lt 26. —	



				sFr.	sFr.
32180	Diethylene glycol adipate				
	for GC			25 g 24. —	
32182	for GC cross linked with Pentaerythritol			25 g 29. —	
	Diethyleneglycol tert-butyl ether methyl ether				
	$\text{CH}_3\text{OCH}_2\text{CH}_2\text{OCH}_2\text{CH}_2\text{OC}(\text{CH}_3)_3$ $\text{C}_9\text{H}_{20}\text{O}_3$ M_r 176.26				
32185	purum >97%(GC); B.P. 194-196°; d_4^{20} 0.904; n_D^{20} 1.416	1 lt ≈ 0.90 kg		500 ml 24. —	
	Diethylene glycol dibutyl ether [Bis(2-butoxyethyl) ether; 2-Butoxyethyl ether; Dibutyldiglycol]				
	3/4 $(\text{CH}_3\text{CH}_2\text{CH}_2\text{CH}_2\text{OCH}_2\text{CH}_2)_2\text{O}$ $\text{C}_{12}\text{H}_{26}\text{O}_3$ M_r 218.34 [112-73-2]				
32200	purum >98%(GC); B.P. 125-130°; d_4^{20} 0.883; n_D^{20} 1.423	1 lt ≈ 0.88 kg		250 ml 24. —	1 lt 90. —
	Diethylene glycol diethyl ether [Bis(2-ethoxyethyl) ether; Diethyldiglycol; 2-Ethoxyethyl ether]				
	3/4; 67° $(\text{C}_2\text{H}_5\text{OCH}_2\text{CH}_2)_2\text{O}$ $\text{C}_8\text{H}_{18}\text{O}_3$ M_r 162.23 [112-36-7]				
32190	purum >98%(GC); B.P. 188-191°; d_4^{20} 0.91; n_D^{20} 1.412	1 lt ≈ 0.91 kg		250 ml 10. —	1 lt 35. —
	Diethylene glycol dimethyl ether [Bis(2-methoxyethyl) ether; "Diglyme"; Dimethyldiglycol;				
	3/3; 53° 2-Methoxyethyl ether]				
	$(\text{CH}_3\text{OCH}_2\text{CH}_2)_2\text{O}$ $\text{C}_6\text{H}_{14}\text{O}_3$ M_r 134.18 [111-96-6]				
32210	puriss. p.a. B.P. 60-62°; d_4^{20} 0.943; n_D^{20} 1.408	1 lt ≈ 0.94 kg	100 ml 10. —	500 ml 42. —	1 lt 80. —
	Fluka-Guarantee:				
	Assay (GC) >99.5 %	Copper (Cu) <0.00001%			
	Peroxide (as H_2O_2) <0.005 %	Lead (Pb) <0.00001%			
	Iron (Fe) <0.00005%	Cadmium (Cd) <0.00001%			
	Cobalt (Co) <0.00001%	Zinc (Zn) <0.00001%			
	Nickel (Ni) <0.00001%				
32220	purum >99%(GC); B.P. 161-164°; d_4^{20} 0.943; n_D^{20} 1.408	1 lt ≈ 0.94 kg	250 ml 14. —	1 lt 50. —	2.5 lt 110. —
	Diethylene glycol monobutyl ether [2-(2-Butoxyethoxy)ethanol; Butyldiglycol]				
	$\text{CH}_3(\text{CH}_2)_3\text{OCH}_2\text{CH}_2\text{OCH}_2\text{CH}_2\text{OH}$ $\text{C}_8\text{H}_{18}\text{O}_3$ M_r 162.23 [112-34-5]				
32250	purum >98%(GC); B.P. 225-230°; d_4^{20} 0.952; n_D^{20} 1.432; H_2O <0.05%	1 lt ≈ 0.95 kg		1 lt 14. —	5 lt 60. —
	Diethylene glycol monobutyl ether acetate [2-(2-Butoxyethoxy) ethyl ether; Butyldiglycol acetate]				
	$\text{CH}_3\text{COOCH}_2\text{CH}_2\text{OCH}_2\text{CH}_2\text{O}(\text{CH}_2)_3\text{CH}_3$ $\text{C}_{10}\text{H}_{20}\text{O}_4$ M_r 204.27 [124-17-4]				
32260	purum >97%(GC); B.P. 244-245°; d_4^{20} 0.977; n_D^{20} 1.426	1 lt ≈ 0.98 kg		1 lt 18. —	
	Diethylene glycol monochlorohydrin [2-(2-Chloroethoxy)ethanol]				
	$\text{ClCH}_2\text{CH}_2\text{OCH}_2\text{CH}_2\text{OH}$ $\text{C}_4\text{H}_9\text{ClO}_2$ M_r 124.57 [628-89-7]				
32265	purum >98%(GC); B.P. 93-96° (Lit.); d_4^{20} 1.175; n_D^{20} 1.454	1 lt ≈ 1.18 kg		100 ml 30. —	
	Diethylene glycol monoethyl ether [2-(2-Ethoxyethoxy)ethanol; Ethyldiglycol]				
	3/4; 90° $\text{C}_2\text{H}_5\text{OCH}_2\text{CH}_2\text{OCH}_2\text{CH}_2\text{OH}$ $\text{C}_6\text{H}_{14}\text{O}_3$ M_r 134.18 [111-90-0]				
32230	purum >98%(GC); B.P. 195° (Lit.); d_4^{20} 0.987; n_D^{20} 1.427	1 lt ≈ 0.98 kg		1 lt 11. —	5 lt 46. —
	Diethylene glycol monoethyl ether acetate [2-(2-Ethoxyethoxy) ethyl acetate; Ethyldiglycol acetate]				
	$\text{CH}_3\text{COOCH}_2\text{CH}_2\text{OCH}_2\text{CH}_2\text{OC}_2\text{H}_5$ $\text{C}_8\text{H}_{16}\text{O}_4$ M_r 176.22 [112-15-2]				
32240	purum >98%(GC); B.P. 93-96°; d_4^{20} 1.012; n_D^{20} 1.421	1 lt ≈ 1.01 kg		1 lt 25. —	
	Diethylene glycol monomethyl ether [2-(2-Methoxyethoxy)ethanol; Methyldiglycol]				
	$\text{CH}_3\text{OCH}_2\text{CH}_2\text{OCH}_2\text{CH}_2\text{OH}$ $\text{C}_5\text{H}_{12}\text{O}_3$ M_r 120.15 [111-77-3]				
32280	purum >98%(GC); B.P. 190-194°; d_4^{20} 1.020; n_D^{20} 1.426	1 lt ≈ 1.02 kg		1 lt 12. —	5 lt 50. —
32286	Diethylene glycol sebacate purum for GC			25 g 24. —	
32288	Diethylene glycol succinate for GC			25 g 24. —	
	Diethylene oxide see 42500 Dioxane				
	Diethylenetriamine [Bis(2-aminoethyl)amine; 2,2'-Diaminodiethylamine]				
	8/35 $(\text{NH}_2\text{CH}_2\text{CH}_2)_2\text{NH}$ $\text{C}_4\text{H}_{13}\text{N}_3$ M_r 103.17 [111-40-0]				
32305	pract. ~95%(GC); B.P. 200-205°; d_4^{20} 0.95; n_D^{20} 1.483	1 lt ≈ 0.95 kg		250 ml 8. —	1 lt 25. —
	Diethylenetriamine pentaacetic acid				
	$[(\text{HOOCCH}_2)_2\text{NCH}_2\text{CH}_2]_2\text{NCH}_2\text{COOH}$ $\text{C}_{14}\text{H}_{23}\text{N}_3\text{O}_{10}$ M_r 393.35 [67-43-6]				
32319	puriss. p.a. for Complexometry >99%(T); M.P. 220-222° dec.; Ash <0.05%			100 g 13. —	500 g 55. —
32321	Diethylenetriamine pentaacetic acid Calcium salt purum p.a. >98%(Ca)			5 g 24. —	25 g 100. —
	$\text{C}_{14}\text{H}_{21}\text{CaN}_3\text{O}_{10}$ M_r 431.41 [15168-13-5]				
	N,N-Diethylethanolamine see 31760 2-Diethylaminoethanol				



			sFr.	sFr.
Diethyl ether (Ether, Ethyl ether)				
3/1a; -40° (C ₂ H ₅) ₂ O C ₄ H ₁₀ O M _r 74.12 [60-29-7]				
31670	for UV-Spectroscopy	1 lt ≈ 0.71 kg	250 ml 9. —	1 lt 28. —
	Fluka-Guarantee:			
	Layer thickness: 10 mm; Reference cell: water			
	Wave length (nm):	210 230 250 280 310		
	Transmittance (in %):	10 35 61 84 >98		
31672	for pesticide residue analysis; stab. with 1% Ethanol; Distilled in Glass; Original packaging of Burdick and Jackson Laboratories Inc.	1 quart ≈ 0.95 lt	25. —	
31675	for HPLC; stab. with tert-Butyl-p-cresol; B.P. 35°; n _D ²⁰ 1.353; UV cut-off 205 nm; solvent strength ε (Al ₂ O ₃) 0.38; H ₂ O <0.02%	1 lt ≈ 0.72 kg	1 lt 18. —	2.5 lt 40. —
31680	puriss. p.a. abs. over Sodium-Lead alloy; B.P. 35-36°	1 lt ≈ 0.71 kg	1 lt 28. —	
	Fluka-Guarantee:			
	Assay (GC)	>99.5 %	Iron (Fe)	<0.00005%
	Water (H ₂ O)	<0.01 %	Cobalt (Co)	<0.00001%
	Residue on evaporation	<0.001 %	Nickel (Ni)	<0.00001%
	Free acid (CH ₃ COOH)	<0.0005 %	Copper (Cu)	<0.00001%
	Peroxide (as H ₂ O ₂)	<0.00001%	Cadmium (Cd)	<0.00001%
			Zinc (Zn)	<0.00001%
31690	puriss. p.a. d ₄ ²⁰ 0.715; n _D ²⁰ 1.353; stab. with 2,6-Di-tert-butyl-p-cresol (5 mg/lt)	1 lt ≈ 0.71 kg	1 lt 20. —	5 lt 85. —
	Fluka-Guarantee:			
	Assay (GC)	>99.8 %	Cobalt (Co)	<0.00001%
	Water (H ₂ O)	<0.1 %	Nickel (Ni)	<0.00001%
	Residue on evaporation	<0.005 %	Copper (Cu)	<0.00001%
	Peroxide (H ₂ O ₂)	<0.00001%	Lead (Pb)	<0.00001%
	Free acid (CH ₃ COOH)	<0.0005 %	Cadmium (Cd)	<0.00001%
	Iron (Fe)	<0.00005%	Zinc (Zn)	<0.00001%
31700	purum Ph. Helv.; >99% (GC); B.P. 34-36°	1 lt ≈ 0.71 kg	1 lt 13. —	5 lt 55. —
Diethyl ethoxymethylenemalonate				
C ₂ H ₅ OCH:C(COOC ₂ H ₅) ₂ C ₁₀ H ₁₆ O ₅ M _r 216.24 [87-13-8]				
02750	purum ~97% (GC); B.P. ₁₀ 135-140° (Lit.); d ₄ ²⁰ 1.081; n _D ²⁰ 1.463	1 lt ≈ 1.08 kg	100 ml 16. —	500 ml 67. —
N,N-Diethylethylenediamine see 31790 2-Diethylaminoethylamine				
N,N'-Diethylethylenediamine (sym.) [1,2-Bis(ethylamino)ethane]				
8/35; 26° C ₂ H ₅ NHCH ₂ CH ₂ NHC ₂ H ₅ C ₆ H ₁₆ N ₂ M _r 116.21 [100-36-7]				
31710	purum >98% (GC); B.P. 149-151°; d ₄ ²⁰ 0.807; n _D ²⁰ 1.431	1 lt ≈ 0.81 kg	10 ml 20. —	50 ml 85. —
Diethyl ethylenemalonate				
CH ₃ CH:C(COOCH ₂ CH ₃) ₂ C ₉ H ₁₄ O ₄ M _r 186.21 [1462-12-0]				
04136	purum >98% (GC); B.P. ₁₇ 115-118° (Lit.); d ₄ ²⁰ 1.037; n _D ²⁰ 1.442		10 g 20. —	
Diethyl ethylmalonate				
3/4; 92° C ₂ H ₅ CH(COOC ₂ H ₅) ₂ C ₉ H ₁₆ O ₄ M _r 188.23 [133-13-1]				
04280	purum ~97% (GC); B.P. 209-212°; d ₄ ²⁰ 1.002; n _D ²⁰ 1.416	1 lt ≈ 1.00 kg	100 ml 11. —	500 ml 46. —
Diethyl fluoromalonate				
FCH(COOC ₂ H ₅) ₂ C ₇ H ₁₁ FO ₄ M _r 178.16 [685-88-1]				
47105	purum >97% (GC); B.P. 194-195°; d ₄ ²⁰ 1.146; n _D ²⁰ 1.408	1 lt ≈ 1.15 kg	1 ml 80. —	
N,N-Diethylformamide				
3/4; 66° HCON(C ₂ H ₅) ₂ C ₅ H ₁₁ NO M _r 101.15 [617-84-5]				
32330	purum >99% (GC); B.P. ₁₀ 61-63°; d ₄ ²⁰ 0.909; n _D ²⁰ 1.434	1 lt ≈ 0.91 kg	100 ml 14. —	500 ml 60. —
47711	Diethyl formamidomalonate purum M.P. 49-50°		5 g 18. —	25 g 75. —
HCONHCH(COOC ₂ H ₅) ₂ C ₉ H ₁₃ NO ₅ M _r 203.15 [6326-44-9]				
Diethyl fumarate				
3/4; 94° C ₂ H ₅ OCOCH:CHCOOC ₂ H ₅ C ₈ H ₁₂ O ₄ M _r 172.18 [623-91-6]				
47930	purum ~97% (GC); M.P. 1-2.5°; B.P. ₁₄ 98-100°; d ₄ ²⁰ 1.052; n _D ²⁰ 1.441	1 lt ≈ 1.05 kg	250 ml 29. —	1 lt 105. —
Diethyl furan-3,4-dicarboxylate				
C ₂ H ₅ OCOCH:CHOCH:CCOOC ₂ H ₅ C ₁₀ H ₁₂ O ₆ M _r 212.20 [30614-77-8]				
48055	pract. ~95% (GC); B.P. _{0.7} 79-83° (Lit.); d ₄ ²⁰ 1.176; n _D ²⁰ 1.472; contains 2-5% Dimethyl furan-3,4-dicarboxylate	1 lt ≈ 1.18 kg	25 ml 14. —	100 ml 50. —
Diethyl glutaconate				
C ₂ H ₅ OCOCH ₂ CH:CHCOOC ₂ H ₅ C ₉ H ₁₄ O ₄ M _r 186.21 [2049-67-4]				
49365	purum >97% (GC); B.P. 244-247°; d ₄ ²⁰ 1.048; n _D ²⁰ 1.445	1 lt ≈ 1.05 kg	10 ml 35. —	



				sFr.	sFr.
	N,N-Diethylglycine ethyl ester				
32350	3/4; 62°	(C ₂ H ₅) ₂ NCH ₂ COOC ₂ H ₅ C ₈ H ₁₇ NO ₂ M _r 159.23 [2644-21-5]	purum >98%(GC); B.P. ₁₆ 60°; d ₄ ²⁰ 0.918; n _D ²⁰ 1.422	1 lt ≈ 0.92 kg	25 ml 20. — 100 ml 70. —
32360	N,N-Diethylglycine hydrochloride puriss. >99%(Cl); M.P. 124-126°				10 g 25. — 50 g 105. —
	(C ₂ H ₅) ₂ NCH ₂ COOH.HCl C ₈ H ₁₃ NO ₂ .HCl M _r 167.64 [1606-01-5]				
	Diethyl 3-hydroxyglutarate				
55270		HOCH(CH ₂ COOC ₂ H ₅) ₂ C ₉ H ₁₆ O ₅ M _r 204.22	pract. ~95%(GC) + ~5% 3-Oxoglutaric acid diethyl ester	1 lt ≈ 1.10 kg	25 ml 24. — 100 ml 90. —
	Diethyl isopropylidenemalonate				
59536	3/4; >80°	(CH ₃) ₂ C:C(COOC ₂ H ₅) ₂ C ₁₀ H ₁₆ O ₄ M _r 200.24 [6802-75-1]	purum >98%(GC); B.P. ₁₄ 116°; d ₄ ²⁰ 1.025; n _D ²⁰ 1.449	1 lt ≈ 1.03 kg	5 ml 55. —
	Diethyl isopropylmalonate				
59580	3/4; 88°	(CH ₃) ₂ CHCH(COOC ₂ H ₅) ₂ C ₁₀ H ₁₈ O ₄ M _r 202.25 [2049-70-9]	purum >97%(GC); B.P. ₁₂ 102-104°; d ₄ ²⁰ 0.987; n _D ²⁰ 1.420	1 lt ≈ 0.99 kg	100 ml 13. — 500 ml 55. —
	Diethyl ketomalonate see 63970 Diethyl mesoxalate				
	Diethyl ketone see 32400 3-Pentanone				
	Diethyl maleate				
63219	3/4; 93°	C ₂ H ₅ OCOCH:CHCOOC ₂ H ₅ C ₈ H ₁₂ O ₄ M _r 172.18 [141-05-9]	purum >98%(GC); B.P. 221-224°; d ₄ ²⁰ 1.066; n _D ²⁰ 1.441; <1% Diethyl fumarate	1 lt ≈ 1.07 kg	250 ml 12. — 1 lt 40. —
	Diethyl malonate				
63320	3/4; 97°	CH ₂ (COOC ₂ H ₅) ₂ C ₇ H ₁₂ O ₄ M _r 160.17 [105-53-3]	puriss. >99%(GC); B.P. ₁₁ 94-95°; d ₄ ²⁰ 1.055; n _D ²⁰ 1.413	1 lt ≈ 1.05 kg	100 ml 9. — 500 ml 32. —
63330			purum >98%(GC); B.P. ₁₁ 91-95°; d ₄ ²⁰ 1.054; n _D ²⁰ 1.413	1 lt ≈ 1.05 kg	250 ml 8. — 1 lt 25. —
32415	Diethylmalonic acid pract. ~95%(T); M.P. 115-120°				100 g 20. — 500 g 85. —
	(C ₂ H ₅) ₂ C(COOH) ₂ C ₇ H ₁₂ O ₄ M _r 160.17 [510-20-3]				
	Diethyl mesoxalate (Diethyl ketomalonate)				
63970		CO(COOC ₂ H ₅) ₂ C ₇ H ₁₀ O ₅ M _r 174.16 [609-09-6]	pract. ~95%(GC); B.P. ₁₂ 95-98°; d ₄ ²⁰ 1.124; n _D ²⁰ 1.415	1 lt ≈ 1.12 kg	5 ml 32. — 25 ml 135. —
	N,N-Diethylmethylamine (N-Methyl-diethylamine)				
32441	8/35; 16°	CH ₃ N(C ₂ H ₅) ₂ C ₅ H ₁₃ N M _r 87.17 [616-39-7]	purum >97%(GC); B.P. 62-65°; d ₄ ²⁰ 0.713; n _D ²⁰ 1.399	1 lt ≈ 0.71 kg	250 ml 24. — 1 lt 90. —
	Diethyl methyl carbinol see 68420 3-Methyl-3-pentanol				
67010	Diethyl 2-methylglutarate purum >98%(GC)			1 lt ≈ 1.00 kg	5 ml 29. — 25 ml 120. —
	C ₂ H ₅ OCOCH ₂ CH ₂ CH(CH ₃)COOC ₂ H ₅ C ₁₀ H ₁₈ O ₄ M _r 202.25 [18545-83-0]				
	Diethyl methylmalonate				
67760	3/4; 82°	CH ₃ CH(COOC ₂ H ₅) ₂ C ₈ H ₁₄ O ₄ M _r 174.20 [609-08-5]	puriss. homologue free; >99%(GC); B.P. ₁₀ 78-80°; d ₄ ²⁰ 1.020; n _D ²⁰ 1.413	1 lt ≈ 1.02 kg	50 ml 12. — 250 ml 50. —
	Diethyl 2-methyl-3-oxosuccinate see 75680 Diethyl oxalpropionate				
32443	Diethylmethylpropylammonium bromide purum >98%(Br); M.P. ~270° dec.				10 g 16. — 50 g 67. —
	(C ₂ H ₅) ₂ N(Br)(CH ₃)CH ₂ CH ₂ CH ₃ C ₈ H ₂₀ BrN M _r 210.16				
	N,N-Diethylnicotinamide (Nicotinic acid diethylamide; "Nikethamide")				
72370	6.1/21	CH:CHCH:NCH:CCON(C ₂ H ₅) ₂ C ₁₀ H ₁₄ N ₂ O M _r 178.24 [59-26-7]	purum >99%(GC); Ph. Eur.; M.P. 22-24°; d ₄ ²⁰ 1.061; n _D ²⁰ 1.524; H ₂ O <0.3%	1 lt ≈ 1.06 kg	100 ml 16. — 500 ml 67. —
	Diethylnitrosamine see 73861 N-Nitrosodiethylamine				
	N,N-Diethyl-4-nitrosoaniline see 73870 4-Nitroso-N,N-diethylaniline				
	Diethyl oxalacetate Sodium salt (Diethyl oxosuccinate Sodium salt; Oxalacetic acid diethyl ester Sodium salt; Sodium diethyl oxalacetate)				
71810		C ₂ H ₅ OCOC(ONa):CHCOOC ₂ H ₅ C ₈ H ₁₁ NaO ₅ M _r 210.16 [63277-17-8]	purum >98%(NT); 1 g clearly soluble in 10 ml water		100 g 16. — 500 g 67. —
75712	Diethyl oxalate purum >98%(GC); B.P. 182-186; d ₄ ²⁰ 1.078; n _D ²⁰ 1.410			1 lt ≈ 1.08 kg	250 ml 7. — 1 lt 20. —
	3/4; 75°	C ₂ H ₅ OCOCOOC ₂ H ₅ C ₈ H ₁₀ O ₄ M _r 146.14 [95-92-1]			

				sFr.	sFr.
	Diethyl oxalpropionate (Diethyl 2-methyl-3-oxosuccinate) 3/4; 97° $C_2H_5OCOCH(CH_3)COCOOC_2H_5$ $C_9H_{14}O_5$ M_r 202.21 [5962-53-7] purum B.P. _{0.5} 86-90°; d_4^{20} 1.095; n_D^{20} 1.431				
75680			1 lt ≈ 1.10 kg	100 ml 35. —	500 ml 145. —
	Diethyl 3-oxoglutarate see 00620 Diethyl 1,3-acetonedicarboxylate				
	Diethyl 3-oxopimelate $C_2H_5OCO(CH_2)_3COCH_2COOC_2H_5$ $C_{11}H_{18}O_5$ M_r 230.26 [40420-22-2] purum B.P. _{0.5} 131-133°; d_4^{20} 1.084; n_D^{20} 1.446				
75943			1 lt ≈ 1.08 kg	5 ml 60. —	
	Diethyl 4-oxopimelate $C_2H_5OCOCH_2CH_2COCH_2CH_2COOC_2H_5$ $C_{11}H_{18}O_5$ M_r 230.26 [6317-49-3] puriss. >99%(GC); B.P. _{0.6} 144°; d_4^{20} 1.081; n_D^{20} 1.442				
75945			1 lt ≈ 1.08 kg	25 ml 26. —	100 ml 95. —
	Diethyl oxosuccinate Sodium salt see 71810 Diethyl oxalacetate Sodium salt				
	Diethyl oxydiformate see 32490 Diethyl pyrocarbonate				
	N',N'-Diethyl-1,4-pentanediamine see 07641 4-Amino-1-diethylaminopentane				
	N,N-Diethyl-p-phenylenediamine see 07650 4-Amino-N,N-diethylaniline				
	N,N-Diethyl-p-phenylenediamine sulfate see 07670 4-Amino-N,N-diethylaniline sulfate				
	Diethylphenylphosphine 6.1/81a $(C_2H_5)_2PC_6H_5$ $C_{10}H_{15}P$ M_r 166.21 [1605-53-4] purum B.P. ₁₁ 97-99° (Lit.); d_4^{20} 0.957				
32445			Ampoule (under Argon)	5 ml 75. —	
	Diethyl phenylmalonate $C_6H_5CH(COOC_2H_5)_2$ $C_{13}H_{16}O_4$ M_r 236.27 [83-13-6] purum >97%(GC); B.P. ₁₀ 150-154°; d_4^{20} 1.096; n_D^{20} 1.492				
78800			1 lt ≈ 1.10 kg	100 ml 9. —	500 ml 34. —
75525	Diethyl phenyl orthoformate purum B.P. ₁₃ 122°; d_4^{20} 1.016; n_D^{20} 1.479 3/4; >65° $CH(OC_2H_5)_2OC_6H_5$ $C_{11}H_{16}O_3$ M_r 196.25 [14444-77-0]		1 lt ≈ 1.02 kg	10 ml 13. —	50 ml 55. —
	Diethyl phosphite 6.1/81a $(C_2H_5O)_2POH$ $C_4H_{11}O_3P$ M_r 138.10 [762-04-9] purum ~98%(GC); B.P. ₂ 51-52° (Lit.); d_4^{20} 1.072; n_D^{20} 1.407				
32450			1 lt ≈ 1.07 kg	250 ml 11. —	1 lt 38. —
	Diethyl phthalate $C_6H_4(COOC_2H_5)_2$ $C_{12}H_{14}O_4$ M_r 222.24 [84-66-2] purum ~98%(GC); B.P. 295° (Lit.); d_4^{20} 1.118; n_D^{20} 1.502				
80080			1 lt ≈ 1.12 kg	1 lt 18. —	2.5 lt 40. —
79800	Diethyl phthalimidomalonate purum M.P. 72-74° $QCC_6H_4CONCH(COOC_2H_5)_2$ $C_{15}H_{15}NO_6$ M_r 305.29 [5680-61-5]			10 g 25. —	50 g 105. —
80510	Diethyl pimelate puriss. >99%(GC); B.P. _{0.1} 94-96°; d_4^{20} 0.993; n_D^{20} 1.430 $C_2H_5OCO(CH_2)_5COOC_2H_5$ $C_{11}H_{20}O_4$ M_r 216.28 [2050-20-6]		1 lt ≈ 0.99 kg	25 ml 16. —	100 ml 55. —
	N,N'-Diethyl-1,3-propanediamine see 14481 1,3-Bis(ethylamino)propane				
	N,N-Diethylpropargylamine see 31902 3-Diethylamino-1-propyne				
	N,N-Diethyl-1-propynylamine see 31901 1-Diethylaminopropyne				
	5,5-Diethyl-2,4,6(1H,3H,5H)-pyrimidinetrione see 31995 5,5-Diethylbarbituric acid				
	Diethyl pyrocarbonate (DEP; Diethyl dicarbonate; Diethyl oxidiformate; Ethoxyformic acid anhydride) $O(COOC_2H_5)_2$ $C_6H_{10}O_5$ M_r 162.14 [1609-47-8] purum >99%(NT); B.P. ₇ 74-76° (Lit.); d_4^{20} 1.122; n_D^{20} 1.398; store in refrigerator				
32490			1 lt ≈ 1.12 kg	25 ml 11. —	100 ml 38. —
	Diethyl sebacate $C_2H_5OCO(CH_2)_8COOC_2H_5$ $C_{14}H_{26}O_4$ M_r 258.36 [110-40-7] purum >98%(GC); B.P. ₁₀ 172-175°; d_4^{20} 0.963; n_D^{20} 1.437				
84830			1 lt ≈ 0.96 kg	100 ml 12. —	500 ml 50. —
	Diethyl suberate $C_2H_5OCO(CH_2)_6COOC_2H_5$ $C_{12}H_{22}O_4$ M_r 230.21 [2050-23-9] puriss. >99%(GC); M.P. 7-9°; B.P. _{0.1} 110°; d_4^{20} 0.982; n_D^{20} 1.432				
60940			1 lt ≈ 0.98 kg	100 ml 35. —	
14100	Diethyl succinate purum >99%(GC); B.P. ₁₀ 97-99°; d_4^{20} 1.039; n_D^{20} 1.420 3/4; 96° $C_2H_5OCOCH_2CH_2COOC_2H_5$ $C_8H_{14}O_4$ M_r 174.20 [123-25-1]		1 lt ≈ 1.04 kg	250 ml 10. —	1 lt 35. —
	Diethyl sulfate (Sulfuric acid diethyl ester) 6.1/61 $(C_2H_5O)_2SO_2$ $C_4H_{10}O_4S$ M_r 154.19 [64-67-5] purum >99%(GC); B.P. ₁₀ 88-91°; d_4^{20} 1.18; n_D^{20} 1.400; severe poison				
32520			1 lt ≈ 1.18 kg	1 lt 20. —	5 lt 75. —

				sFr.	sFr.
Diethyl sulfide see 32530 Ethyl sulfide					
Diethyl sulfoxide					
32535	3/3; 54°	(C ₂ H ₅ O) ₂ SO C ₄ H ₁₀ O ₃ S M _r 138.19 [623-81-4]	purum B.P. 155-158°; d ₄ ²⁰ 1.082; n _D ²⁰ 1.414; Reagent for the preparation of ethyl esters from thermally unstable carboxylic acids: J. Fairhurst, D. C. Howell, Synth. Comm. 6, 89 (1976)	1 lt ≈ 1.08 kg	25 ml 20. — 100 ml 70. —
Diethyl L (+)-tartrate					
95355		C ₂ H ₅ OCO(CHOH) ₂ COOC ₂ H ₅ C ₈ H ₁₄ O ₆ M _r 206.20 [87-91-2]	purum >98% (GC); B.P. 280°; d ₄ ²⁰ 1.205; n _D ²⁰ 1.446; [α] _D ²⁰ + 30 ± 1°; [α] _D ²⁰ + 26.5 ± 1° (c = 1 in water)	1 lt ≈ 1.21 kg	100 ml 20. — 500 ml 85. —
32560		N,N'-Diethylthiourea (sym.) purum >98% (N); M.P. 75-77° (C ₂ H ₅ NH) ₂ CS C ₅ H ₁₂ N ₂ S M _r 132.23 [105-55-5]		250 g 14. —	1 kg 50. —
N,N-Diethyl-m-toluamide (m-Toluic acid diethylamide)					
32570	>95°	CH ₃ C ₆ H ₄ CON(C ₂ H ₅) ₂ C ₁₂ H ₁₇ NO M _r 191.28 [134-62-3]	purum >98% (GC); B.P. 160° (Lit.); d ₄ ²⁰ 0.998; n _D ²⁰ 1.523	1 lt ≈ 1.00 kg	100 ml 11. — 500 ml 44. —
N,N-Diethyltrimethylsilylamine [(Diethylamino)trimethylsilane; TMSDEA;					
32575	3/3; 22°	N-Trimethylsilyldiethylamine (CH ₃) ₃ SiN(C ₂ H ₅) ₂ C ₇ H ₁₉ NSi M _r 145.32 [996-50-9]	purum B.P. 127-129° d ₄ ²⁰ 0.767; n _D ²⁰ 1.412	1 lt ≈ 0.77 kg	10 ml 14. — 50 ml 60. —
Diethyltrimethylsilylphosphite (Phosphorous acid diethyltrimethylsilylester)					
32578		(C ₂ H ₅ O) ₂ POSi(CH ₃) ₃ C ₇ H ₁₉ O ₃ PSi M _r 210.29 [13716-45-5]	purum B.P. 58-59°; d ₄ ²⁰ 0.921; n _D ²⁰ 1.413; Reagent for a convenient ketone synthesis from aldehydes via α-trimethylsiloxy phosphonates: D. A. Evans et al., J. Am. Chem. Soc. 100, 3467 (1978); T. Hata et al., Tetrahedron Lett. 363 (1978)	1 lt ≈ 0.92 kg	25 ml 50. —
32380		N,N'-Diethylurea (sym.) pract. C ₂ H ₅ NHCONHC ₂ H ₅ C ₅ H ₁₂ N ₂ O M _r 116.16 [623-76-7]		25 g 18. —	100 g 65. —
Diferuloylmethane see 28260 Curcumin					
Differential Stain Solution					
36860	3/5; 14°	Standard Fluka for sperm analysis (Hurris-Shorr Method)		1 lt ≈ 0.94 kg	100 ml 7. — 1 lt 25. —
36870		2,4-Difluoroaniline purum >98% (GC); B.P. 168-170°; d ₄ ²⁰ 1.282; n _D ²⁰ 1.506 6.1/21 F ₂ C ₆ H ₃ NH ₂ C ₆ H ₅ F ₂ N M _r 129.11 [367-25-9]			5 g 34. —
36880		2,5-Difluoroaniline purum >98% (GC); M.P. 11-13°; B.P. 171-174°; d ₄ ²⁰ 1.283; n _D ²⁰ 1.513 6.1/21 F ₂ C ₆ H ₃ NH ₂ C ₆ H ₅ F ₂ N M _r 129.11 [367-30-6]			5 g 34. —
36890		1,2-Difluorobenzene purum ~98% (GC); B.P. 92-94°; d ₄ ²⁰ 1.17; n _D ²⁰ 1.445 3/1a; 0° C ₆ H ₄ F ₂ M _r 114.10 [367-11-3]		1 lt ≈ 1.17 kg	5 ml 24. —
36900		1,3-Difluorobenzene 3/1a; 0° C ₆ H ₄ F ₂ M _r 114.10 [372-18-9]	purum >99% (GC); B.P. 82-83° (Lit.); d ₄ ²⁰ 1.157; n _D ²⁰ 1.438	1 lt ≈ 1.16 kg	5 ml 26. —
36910		1,4-Difluorobenzene purum >99% (GC); B.P. 87-89°; d ₄ ²⁰ 1.17; n _D ²⁰ 1.441 3/1a; 0° C ₆ H ₄ F ₂ M _r 114.10 [540-36-3]		1 lt ≈ 1.17 kg	10 ml 18. — 50 ml 75. —
1,5-Difluoro-2,4-dinitrobenzene					
36930	6.1/21i	F ₂ C ₆ H ₂ (NO ₂) ₂ C ₆ H ₂ F ₂ N ₂ O ₄ M _r 204.09 [327-92-4]	puriss. biochim. ~99% (HPLC); M.P. 74-75°; Cross linking agent for proteins: Sh. Shattiel, M. Tauber-Finkelstein, Biochem. Biophys. Res. Commun. 44, 484 (1971); H. Beyer and U. Schenk, J. Chromatogr. 61, 263 (1971)	5 g 20. —	25 g 85. —
37010		Digitonin puriss. [α] _D ²⁰ -63 ± 3°; [α] _D ²⁰ -53 ± 3° (c = 3 in Methanol); H ₂ O 6-8% 6.1/81g C ₅₆ H ₉₂ O ₂₉ M _r 1229.34 [11024-24-1]		1 g 22. —	5 g 90. —
Digitoxigenin [3,14,21-Trihydroxy-20(22)-norcholenic acid lactone]					
37020	6.1/81g	C ₂₃ H ₃₄ O ₄ M _r 374.52 [143-62-4]	puriss. M.P. 249-254°; [α] _D ²⁰ + 21 ± 1.5° (c = 1 in Methanol)		100 mg 30. —
37030		Digitoxin puriss. U.S.P.; [α] _D ²⁰ + 20 ± 1°; [α] _D ²⁰ + 17 ± 1° (c = 2 in Chlf.); Ash <0.05% 6.1/81g C ₄₁ H ₆₄ O ₁₃ M _r 764.96 [71-63-6]		1 g 25. —	5 g 105. —
D (+)-Digitoxose (2,6-Dideoxy-D-ribohexose)					
37040		CH ₃ CH(CHOH) ₂ CH ₂ CH(OH)O C ₆ H ₁₂ O ₄ M _r 148.16 [527-52-6]	puriss. M.P. 101-104°; [α] _D ²⁰ + 57 ± 2°; [α] _D ²⁰ + 48 ± 2° (c = 1 in water)	100 mg 16. —	1 g 130. —

			sFr.	sFr.
	Diglycine see 50200 Glycylglycine			
	Diglycol see 32160 Diethylene glycol			
	Diglycolic acid (2,2'-Oxydiacetic acid) O(CH ₂ COOH) ₂ C ₄ H ₆ O ₅ M _r 134.09 [110-99-6]			
37070	puriss. >99%(T); M.P. 143-145°		25 g 14. —	100 g 50. —
37080	pract. >97%(T); M.P. 140-144°		50 g 13. —	250 g 55. —
	"Diglyme" see 32210 Diethylene glycol dimethyl ether			
	Digoxigenin [Lanadigigenin; 3β, 12β, 14, 21-Tetrahydroxy-20(22)-norcholonic acid lactone] 6.1/81g C ₂₃ H ₃₄ O ₆ M _r 390.52 [1672-46-4]			
37090	puriss. [α] _D ²⁰ + 27.5±1°; [α] _D ²⁰ + 22.5±1° (c = 2 in Methanol); 2-4% water		100 mg 45. —	
37100	Digoxin purum U.S.P.; [α] _D ²⁰ + 14±0.5°; [α] _D ²⁰ + 11.5±0.5° (c = 10 in Pyridine) 6.1/81g C ₄₁ H ₆₄ O ₁₄ M _r 780.96 [20830-75-5]		250 mg 24. —	1 g 90. —
	1,4-Diguanidinobutane sulfate see 10970 Arcaine sulfate			
	N,N'-Diheptyl-4,4'-bipyridinium dibromide 6.1/81g C ₂₄ H ₃₆ Br ₂ N ₂ M _r 514.39 [6159-05-3]			
37130	purum >99%(Br); M.P. 275° dec.		5 g 40. —	25 g 165. —
	Diheptyl ketone see 37140 8-Pentadecanone			
	L-β,γ-Dihexadecyl-α-cephalin (1,2-Dihexadecyl-sn-glycero-3-phosphorylethanolamine) C ₃₇ H ₇₈ NO ₆ P M _r 668.01			
37161	puriss. M.P. 204-206°; [α] _D ²⁰ + 1.6±0.2 (c = 1 in Chlf./Methanol 9:1)		100 mg 38. —	1 g 300. —
	1,2-Dihexadecyl-sn-glycerol see 37163 D-α,β-Dihexadecylglycerol			
	D-α,β-Dihexadecylglycerol [1,2-Dihexadecyl-sn-glycerol, (S)-Glycerol 1,2-dihexadecyl ether] CH ₃ (CH ₂) ₁₅ OCH ₂ CH(CH ₂ OH)O(CH ₂) ₁₅ CH ₃ C ₃₅ H ₇₂ O ₃ M _r 540.96 [1070-08-2]			
37163	puriss. M.P. 50-52°; [α] _D ²⁰ - 7.0±0.5° (c = 10 in Chlf./Methanol 9:1)		250 mg 46. —	1 g 160. —
	DL-α,β-Dihexadecylglycerol (rac-Glycerol 1,2-dihexadecyl ether) CH ₃ (CH ₂) ₁₅ OCH ₂ CH(CH ₂ OH)O(CH ₂) ₁₅ CH ₃ C ₃₅ H ₇₂ O ₃ M _r 540.96 [13071-60-8]			
37164	puriss. CHR; M.P. 58-60°		250 mg 40. —	1 g 145. —
37165	α,γ-Dihexadecylglycerol puriss. M.P. 56-58° (Glycerol 1,3-dihexadecyl ether) C ₃₅ H ₇₂ O ₃ M _r 540.96 [14690-01-8]		250 mg 40. —	1 g 145. —
	1,2-Dihexadecyl-sn-glycero-3-phosphorylcholine see 37179 L-β,γ-Dihexadecyl-α-lecithin			
	1,2-Dihexadecyl-sn-glycero-3-phosphorylethanolamine see 37161 L-β,γ-Dihexadecyl-α-cephalin			
	L-β,γ-Dihexadecyl-α-lecithin (1,2-Dihexadecyl-sn-glycero-3-phosphorylcholine) C ₄₀ H ₈₄ NO ₆ P M _r 706.09 [36314-47-3]			
37179	puriss. M.P. 227-229°; [α] _D ²⁰ + 2.2±5° (c = 10 in Chlf./Methanol 9:1)		100 mg 38. —	1 g 300. —
37180	DL-β,γ-Dihexadecyl-α-lecithin puriss. M.P. 225-228° C ₄₀ H ₈₄ NO ₆ P M _r 706.09 [18545-87-4]		250 mg 85. —	1 g 300. —
37205	Dihexylamine techn. ~90%(GC); B.P. 240-245°; d ₄ ²⁰ 0.786; n _D ²⁰ 1.435 [CH ₃ (CH ₂) ₆] ₂ NH C ₁₂ H ₂₇ N M _r 185.36 [143-16-8]	1 lt ≈ 0.79 kg	100 ml 28. —	
	Dihexyl ketone see 37240 7-Tridecanone			
37265	Dihydrazine sulfate pract. ~95%(GC) (Hydrazine hemisulfate) 8/31g (N ₂ H ₄) ₂ ·H ₂ SO ₄ H ₈ N ₄ ·H ₂ SO ₄ M _r 162.17 [13464-80-7]		250 g 9. —	1 kg 28. —
37280	9,10-Dihydroanthracene pract. ~90%(UV); M.P. 106-108°; containing <1% Anthracene C ₆ H ₄ CH ₂ C ₆ H ₄ CH ₂ C ₁₄ H ₁₂ M _r 180.25 [613-31-0]		250 g 12. —	1 kg 40. —
	1,2-Dihydrobenzene see 28900 1,3-Cyclohexadiene			
	1,4-Dihydrobenzene see 28910 1,4-Cyclohexadiene			
	2,3-Dihydro-1,2-benzisothiazol-3-one-1,1-dioxide and Sodium salt see 12475 and 12476 o-Benzoic acid sulfimide and Sodium salt			
	2,3-Dihydro-1,4-benzodioxin see 03735 1,2-Ethylenedioxybenzene			
	Dihydrocholesterol see 26710 5α-Cholestan-3β-ol			
	10,11-Dihydro-6H-dibenz[b,f]azepine see 56785 Iminodibenzyl			

			sFr.	sFr.
	10,11-Dihydro-5H-dibenzo[a,d]cyclohepten-5-ol see 33538 Dibenzosuberol			
	10,11-Dihydro-5H-dibenzo[a,d]cyclohepten-5-one see 33540 Dibenzosuberone			
	2,5-Dihydro-2,5-dimethoxyfuran see 38740 2,5-Dimethoxy-2,5-dihydrofuran			
37283	1,5-Dihydro-7,8-dimethyl-2,4-benzodithiepin $(\text{CH}_3)_2\text{C}_8\text{H}_8\text{SCH}_2\text{SCH}_2$ $\text{C}_{11}\text{H}_{14}\text{S}_2$ M_r 210.37 [36568-23-7] purum >98% (S); M.P. 180-182°			
	5 g 60. —			
	6,7-Dihydro-5,8-dimethyldibenzo[b,j]-o-phenanthroline see 33533 2,3,8,9-Dibenzo-4,7-dimethyl-5,6-dihydro-1,10-phenanthroline			
	9,10-Dihydro-9,10-dioxo-2,6-anthracenedisulfonic acid Disodium salt see 10640 Anthraquinone-2,6-disulfonic acid Disodium salt			
	9,10-Dihydro-9,10-dioxo-2-anthracenesulfonic acid Sodium salt see 10660 Anthraquinone-2-sulfonic acid Sodium salt			
70382	3,4-Dihydro-3,4-dioxo-1-naphthalene sulfonic acid Sodium salt $\text{C}_8\text{H}_4\text{COCOCH}:\text{C}\text{SO}_3\text{Na}$ $\text{C}_{10}\text{H}_6\text{NaO}_6\text{S}$ M_r 260.20 [521-24-4] purum p.a. >98% (T); 1 g clearly soluble in 20 ml water; for SO_4 -determination, colorimetr. determination of Isonicotinic hydrazide; Mikrochim. Acta 17 (1960)			
		10 g 12. —	50 g 50. —	
	4,5-Dihydro-1,4-diphenyl-3,5-phenylimino-1H-1,2,4-triazole see 73490 Nitron			
	1,4-Dihydro-1-ethyl-7-methyl-1,8-naphthyridin-4-one-3-carboxylic acid see 70162 Nalidixic acid			
37290	Dihydrofisetin purum (Fustin; 3,3',4',7-Tetrahydroxyflavone)) $\text{C}_{15}\text{H}_{12}\text{O}_6$ M_r 288.26 [20725-03-2]			
		250 mg 33. —	1 g 120. —	
	α-Dihydrofucosterol see 85451 β -Sitosterol			
37298	2,3-Dihydrofuran 3/1a $\text{QCH}_2\text{CH}_2\text{CH}:\text{CH}$ $\text{C}_4\text{H}_6\text{O}$ M_r 70.09 [1191-99-7] purum >99% (GC); B.P. 51-54°; d_4^{20} 0.930; n_D^{20} 1.423; An active vinyl ether as useful synthetic reagent; e.g. synthesis of tryptophols: I. I. Grandberg, T. P. Moskvina, Khim. Geterotsikl. Soedin. 1366 (1972)			
		1 lt $\approx$ 0.93 kg	100 ml 13. —	500 ml 55. —
37300	2,5-Dihydrofuran 3/5; 1° $\text{QCH}_2\text{CH}:\text{CHCH}_2$ $\text{C}_4\text{H}_6\text{O}$ M_r 70.09 [1708-29-8] purum >98% (GC); B.P. 65-67°; d_4^{20} 0.95; H_2O <2%			
37301	techn. $\sim$ 93% (GC) + $\sim$ 7% water; B.P. 63-65°; d_4^{20} 0.952			
		1 lt $\approx$ 0.95 kg	100 ml 30. —	500 ml 125. —
		1 lt $\approx$ 0.95 kg	500 ml 32. —	
	Dihydroharmine see 51330 Harmaline			
	3a,12c-Dihydro-8-hydroxy-6-methoxy-7H-furo[3',2',4,5]furo[2,3-c]xanthen-7-one see 85832 Sterigmatocystin			
37303	(4S,5S)-4,5-Dihydro-4-hydroxymethyl-2-methyl-5-phenyloxazole [(4S,5S)-4-Hydroxymethyl-2-methyl-5-phenyl-2-oxazoline; (4S,5S)-2-Methyl-5-phenyl-2-oxazoline-4-methanol] $\text{HOCH}_2\text{CHN}:\text{C}(\text{CH}_3)\text{OCHC}_6\text{H}_5$ $\text{C}_{11}\text{H}_{13}\text{NO}_2$ M_r 191.23 [53732-41-5] purum >99% (GC); M.P. 74-75°; $[\alpha]_{546}^{20} -185 \pm 2^\circ$ (c = 10 in CHCl_3); Reagent for asymmetric synthesis of chiral carboxylic acids and their derivatives: Reviews: A. I. Meyers, E. D. Mihelich, Angew. Chem. 88, 321-332 (1976); A. I. Meyers, Acc. Chem. Res. 11, 375 (1978)			
		5 g 24. —	25 g 100. —	
37305	3,4-Dihydro-3-hydroxy-4-oxo-1,2,3-benzotriazine [3-Hydroxy-1,2,3-benzotriazin-4(3H)-one] $\text{C}_8\text{H}_4\text{CON}(\text{OH})\text{N}:\text{N}$ $\text{C}_7\text{H}_5\text{N}_3\text{O}_2$ M_r 163.14 [28230-32-2] purum M.P. 192-193°			
		10 g 30. —	50 g 125. —	
37307	2,3-Dihydro-1H-imidazo[1,2-b]pyrazole puriss. M.P. 68-70° (IMPY) $\text{C}_5\text{H}_7\text{N}_3$ M_r 109.13 [6714-29-0]			
		1 g 60. —		
	2,3-Dihydroindole see 57240 Indoline			
	3,4-Dihydro-2-methoxy-2H-pyran see 64953 2-Methoxy-2,3-dihydro-4H-pyran			
37335	5,6-Dihydro-5-methyl-4H-1,3,5-dithiazine $\text{CH}_2\text{SCH}_2\text{SCH}_2\text{NCH}_3$ $\text{C}_4\text{H}_9\text{NS}_2$ M_r 135.25 [6302-94-9] purum >99% (GC); M.P. 63-65°; Formaldehyde anion equivalent with several advantages over 1,3-dithiane (higher reactivity in the alkylation and hydrolysis step): R. D. Balanson et al., J. Org. Chem. 42, 393 (1977)			
		10 g 25. —	50 g 105. —	

sFr.

sFr.

1,2-Dihydro-6-methyl-2-oxonicotinic acid nitrile see 28530 3-Cyano-6-methyl-2-pyridone

Dihydromuconic acid see 53020 trans-3-Hexenedioic acid

3,4-Dihydro-1(2H)-naphthalone see 87661 α -Tetralone

Dihydromucononitrile see 53030 1,4-Dicyano-2-butene

Dihydro- β -nicotinamide adenine dinucleotide Disodium salt see 43420 β -Nicotinamide adeninedinucleotide Disodium salt red.Dihydro- β -nicotinamide adenine dinucleotide phosphate Tetrasodium salt see 93220
Triphosphopyridinenucleotide red. Tetrasodium salt

9,10-Dihydro-9-oxoacridine see 01670 Acridone

2,3-Dihydro-1,4-phthalazinedione see 79930 N,N'-Phthaloylhydrazine

3,4-Dihydro-2H-pyran3/1a; -16° $\text{Q}(\text{CH}_2)_3\text{CH}:\text{CH}$ $\text{C}_5\text{H}_8\text{O}$ M_r 84.12 [110-87-2]37350 purum >99%(GC); B.P. 84-88°; d_4^{20} 0.927; n_D^{20} 1.4401 lt $\approx$ 0.93 kg

100 ml 12.—

500 ml 50.—

1,2-Dihydro-3,6-pyridazinedione see 63270 Maleic hydrazide

3,4-Dihydro-2(1H)-pyrido[1.2-a]pyrimidinone $\text{C}_8\text{H}_8\text{N}_2\text{O}$ M_r 148.17 [5439-14-5]37360 purum >99%(NT); M.P. 185-187°; A very effective non-basic hydrogen halide
captor in various reactions: T. Mukaiyama et al., Chem. Lett. 13 (1976); ibid.
Chem. Lett. 57 (1976); T. Mukaiyama, Heterocycles 6, 1509 (1977)

10 g 14.—

50 g 60.—

(+)-Dihydroquercetin (3,3',4',5,7-Pentahydroxyflavone) $\text{C}_{15}\text{H}_{12}\text{O}_7$ M_r 304.26 [480-18-2]37380 pract. M.P. 228° dec.; $[\alpha]_D^{20} + 53 \pm 3^\circ$; $[\alpha]_D^{20} + 43 \pm 3^\circ$ (c = 2 in Acetone/water 1:1);
4-6% water

1 g 28.—

5 g 120.—

Dihydroresorcinol see 29059 1,3-Cyclohexanedione

22,23-Dihydrostigmasterol see 85451 β -Sistosterol4,5-Dihydrotestosterone see 10300 5 α -Androstan-17 β -ol-3-one**5,6-Dihydro-2,4,4,6-tetramethyl-4H-1,3-oxazine (2,4,4,6-Tetramethyl-5,6-dihydro-4H-1,3-oxazine)** $(\text{CH}_3)_2\text{CCH}_2\text{CH}(\text{CH}_3)\text{OC}(\text{CH}_3):\text{N}$ $\text{C}_8\text{H}_{16}\text{NO}$ M_r 141.22 [26939-18-4]37402 pract. >90%(GC); B.P. 147-149°; d_4^{20} 0.918; n_D^{20} 1.445; Reagent
for the synthesis of aldehydes: A. I. Meyers et al., J. Org. Chem.
38, 36 (1973); Review: E.W. Collington, Chem. and Ind. 987 (1973)1 lt $\approx$ 0.92 kg

10 ml 18.—

50 ml 75.—

2,5-Dihydrothiophene-1,1-dioxide see 86160 3-Sulfolene

4,5-Dihydro-2,4,4-trimethyloxazole (2,4,4-Trimethyl-2-oxazoline)3/1a; 20° $\text{QCH}_2\text{C}(\text{CH}_3)_2\text{N}:\text{CCH}_3$ $\text{C}_6\text{H}_{11}\text{NO}$ M_r 113.16 [1772-43-6]37401 purum >99%(GC); B.P. 110-111°; d_4^{20} 0.907; n_D^{20} 1.421;
Reagent for conversion of alkyl halides into substituted alkyl
acetates: A. I. Meyers, D. L. Temple, J. Am. Chem. Soc. 92,
6644 (1970); E.W. Collington, Chem. and Ind. 987 (1973)1 lt $\approx$ 0.91 kg

10 ml 11.—

50 ml 46.—

5,6-Dihydro-4,4,6-trimethyl-2-vinyl-4H-1,3-oxazine3/4; 90° $(\text{CH}_3)_2\text{CCH}_2\text{CH}(\text{CH}_3)\text{OC}(\text{CH}:\text{CH}_2):\text{N}$ $\text{C}_8\text{H}_{15}\text{NO}$ M_r 153.23 [23878-88-8]

37403 pract. stab. with Hydroquinone

1 lt $\approx$ 0.92 kg

5 ml 10.—

25 ml 40.—

Dihydroxyacetone dimer $(\text{HOCH}_2\text{COCH}_2\text{OH})_2$ $\text{C}_6\text{H}_{12}\text{O}_6$ M_r 180.16 [96-26-4]

37420 puriss. M.P. 78-82°; store in refrigerator

25 g 20.—

100 g 70.—

37430 pract. M.P. $\sim$ 70°; store in refrigerator

100 g 22.—

500 g 90.—

2,4-Dihydroxyacetophenone (1-Acetyl-2,4-dihydroxybenzene; 4-Acetylresorcinol; Resacetophenone) $(\text{HO})_2\text{C}_6\text{H}_3\text{COCH}_3$ $\text{C}_8\text{H}_8\text{O}_3$ M_r 152.15 [89-84-9]

37450 pract. >97%(NT); M.P. 143-146°

25 g 14.—

100 g 50.—

500 g 210.—

2,5-Dihydroxyacetophenone (2-Acetyl-1,4-dihydroxybenzene; 2-Acetylhydroquinone; 2,5-Dihydroxyphenyl methyl ketone; Quinacetophenone) $\text{CH}_3\text{COC}_6\text{H}_3(\text{OH})_2$ $\text{C}_8\text{H}_8\text{O}_3$ M_r 152.15 [490-78-8]

37460 purum >99%(HPLC); M.P. 203-207°; 1 g soluble in 20 ml Dioxane

5 g 24.—

25 g 100.—

2,6-Dihydroxyacetophenone (2-Acetyl-1,3-dihydroxybenzene; 2-Acetylresorcinol) $(\text{HO})_2\text{C}_6\text{H}_3\text{COCH}_3$ $\text{C}_8\text{H}_8\text{O}_3$ M_r 152.15 [699-83-2]

37470 purum >97%(NT); M.P. 154-156°

5 g 18.—

25 g 75.—

		sFr.	sFr.
	1,2-Dihydroxyanthraquinone see 05560 Alizarin		
37478	3,5-Dihydroxyanisole (Methoxy-resorcinol Phloroglucine monomethylether) $\text{CH}_3\text{OC}_6\text{H}_3(\text{OH})_2$ $\text{C}_7\text{H}_6\text{O}_3$ M_r 140.14 [2174-64-3] purum ~97%(GC); M.P. 76-78°; B.P. _{0.05} 135°	5 g 21.—	25 g 90.—
37480	1,4-Dihydroxyanthraquinone (Quinizarin) $\text{COC}_6\text{H}_4\text{COC}_6\text{H}_2(\text{OH})_2$ $\text{C}_{14}\text{H}_8\text{O}_4$ M_r 240.22 [81-64-1] pract. M.P. 195-198°; Subl. residue <4%	250 g 17.—	1 kg 60.—
37500	1,8-Dihydroxyanthraquinone purum >98%(NT); M.P. 191-193° (Chrysazine; Danthron) $\text{COC}_6\text{H}_3(\text{OH})\text{COC}_6\text{H}_3\text{OH}$ $\text{C}_{14}\text{H}_8\text{O}_4$ M_r 240.22 [117-10-2]	100 g 18.—	500 g 75.—
	3,4-Dihydroxyanthraquinon-2-yl-methyliminodiacetic acid see 05590 Alizarin-3-methylimino-diacetic acid		
	2,6-Dihydroxy-8-azapurine see 11460 8-Azaxanthine		
37511	2,3-Dihydroxybenzaldehyde purum ~97%(T); M.P. 104-106°; free acid <1% $(\text{HO})_2\text{C}_6\text{H}_3\text{CHO}$ $\text{C}_7\text{H}_6\text{O}_3$ M_r 138.12 [24677-78-9]	5 g 15.—	25 g 63.—
37513	2,4-Dihydroxy-benzaldehyde purum M.P. 135-137° $(\text{HO})_2\text{C}_6\text{H}_3\text{CHO}$ $\text{C}_7\text{H}_6\text{O}_3$ M_r 138.12 [95-01-2]	25 g 31.—	
37515	2,5-Dihydroxybenzaldehyde purum ~96%(HPLC); M.P. 97-99° (Gentisaldehyde) $(\text{HO})_2\text{C}_6\text{H}_3\text{CHO}$ $\text{C}_7\text{H}_6\text{O}_3$ M_r 138.12 [1194-98-5]	5 g 40.—	25 g 175.—
37520	3,4-Dihydroxybenzaldehyde pract. >98%(NT); M.P. 150-153° (Protocatechualdehyde) $(\text{HO})_2\text{C}_6\text{H}_3\text{CHO}$ $\text{C}_7\text{H}_6\text{O}_3$ M_r 138.12 [139-85-5]	25 g 23.—	100 g 85.—
	1,2-Dihydroxybenzene see 15880 Pyrocatecol		
	1,3-Dihydroxybenzene see 83600 Resorcinol		
	1,4-Dihydroxybenzene see 53960 Hydroquinone		
	2,5-Dihydroxybenzenesulfonic acid Potassium salt see 54055 Hydroquinonesulfonic acid Potassium salt		
37528	2,3-Dihydroxybenzoic acid purum >97%(T); M.P. 204-206° $(\text{HO})_2\text{C}_6\text{H}_3\text{COOH}$ $\text{C}_7\text{H}_6\text{O}_4$ M_r 154.12 [303-38-8]	5 g 20.—	25 g 85.—
37530	2,4-Dihydroxybenzoic acid (β-Resorcylic acid) $(\text{HO})_2\text{C}_6\text{H}_3\text{COOH}$ $\text{C}_7\text{H}_6\text{O}_4$ M_r 154.12 [89-86-1] purum >98%(T); M.P. 214-216° dec.	100 g 18.—	500 g 55.—
37550	2,5-Dihydroxybenzoic acid (Gentisic acid; Hydroquinonecarboxylic acid) $(\text{HO})_2\text{C}_6\text{H}_3\text{COOH}$ $\text{C}_7\text{H}_6\text{O}_4$ M_r 154.12 [490-79-9] puriss. CHR; ~99%(T); M.P. 203-205°; Ash <0.05%	100 g 22.—	500 g 90.—
37560 37570	2,6-Dihydroxybenzoic acid (γ-Resorcylic acid) $(\text{HO})_2\text{C}_6\text{H}_3\text{COOH}$ $\text{C}_7\text{H}_6\text{O}_4$ M_r 154.12 [303-07-1] purum >98%(T) pract. ~90-95%(NT)	25 g 18.— 100 g 25.—	100 g 60.— 500 g 105.—
37580	3,4-Dihydroxybenzoic acid (Protocatechuic acid) $(\text{HO})_2\text{C}_6\text{H}_3\text{COOH}$ $\text{C}_7\text{H}_6\text{O}_4$ M_r 154.12 [99-50-3] purum CHR >99%(T); M.P. 200-202° dec.	25 g 18.—	100 g 65.—
37590 37600	3,5-Dihydroxybenzoic acid (α-Resorcylic acid) $(\text{HO})_2\text{C}_6\text{H}_3\text{COOH}$ $\text{C}_7\text{H}_6\text{O}_4$ M_r 154.12 [99-10-5] purum ~99%(T); M.P. 238-239° pract. >98%(T); M.P. 235-238°; Ash <1%	100 g 40.— 100 g 14.—	500 g 60.—
37610	2,4-Dihydroxybenzophenone purum >99%(NT); M.P. 143-145° $(\text{HO})_2\text{C}_6\text{H}_3\text{COC}_6\text{H}_5$ $\text{C}_{13}\text{H}_{10}\text{O}_3$ M_r 214.22 [131-56-6]	100 g 20.—	500 g 85.—
37620	2,2'-Dihydroxybiphenyl purum >99%(NT); M.P. 108-110° (2,2'-Biphenol; 2,2'-Diphenol) $\text{HOC}_6\text{H}_4\text{C}_6\text{H}_4\text{OH}$ $\text{C}_{12}\text{H}_{10}\text{O}_2$ M_r 186.21 [1806-29-7]	100 g 20.—	500 g 85.—
	5,5'-Dihydroxy-5,5'-bipyrimidine-2,2',4,4',6,6'-(1H,1'H,3H,3'H,5H,5'H)-hexone see 05770 Alloxantin		
	erythro-2,3-Dihydroxy-1,4-butanedithiol see 43796 1,4-Dithioerythritol, DTE		
	3α,6α-Dihydroxy-5β-cholanic acid see 56680 α-Hydeoxycholic acid		
	3α,7α-Dihydroxy-5β-cholanic acid see 22510 Chenodeoxycholic acid		
	3α,7β-Dihydroxy-5β-cholanic acid see 94465 Usodeoxycholic acid		

sFr.

sFr.

3 α ,12 α -Dihydroxy-5 β -cholanic acid see 30960 Deoxycholic acid**3 α ,12 α -Dihydroxy-5 β -cholanic acid Sodium salt** see 30970 Deoxycholic acid Sodium salt**3,4-Dihydroxycinnamic acid** see 60020 Caffeic acid**3-(3,4-Dihydroxycinnamoyl)-D-quinic acid** see 25700 Chlorogenic acid**6,7-Dihydroxycoumarin** see 02330 Esculetin**3,4-Dihydroxy-3-cyclobutene-1,2-dione** (Squaric acid) COCOC(OH):COH $\text{C}_4\text{H}_2\text{O}_4$ M_r 114.06 [2892-51-5]

37670

pract. >97% (NT); M.P. >300°; Review: A. H. Schmidt, W. Ried, Synthesis 1, 869 (1978); H. Knorr, W. Ried, Synthesis 649 (1978)

1 g 12. —

5 g 50. —

2,6-Dihydroxy-1,7-dimethylpurine see 41761 1,7-Dimethylxanthine**2,6-Dihydroxy-1,9-dimethylpurine** see 41762 1,9-Dimethylxanthine**2,6-Dihydroxy-3,9-dimethylpurine** see 41763 3,9-Dimethylxanthine**2,4-Dihydroxy-1,3-dimethylpyrimidine** see 41730 1,3-Dimethyluracil**2,2'-Dihydroxy-1,1'-dinaphthyl** see 14382 1,1'-Bi(2-naphthol)**6,6'-Dihydroxy-2,2'-dinaphthyl disulfide** see 37680 6-Hydroxy-2-naphthyl disulfide**2,5-Dihydroxy-1,4-dithiane** (1,4-Dithiane 2,5-diol; Mercaptoacetaldehyde trimer) $\text{C}_4\text{H}_8\text{O}_2\text{S}_2$ M_r 152.24 [40018-26-6]

37685

purum >98% (S); M.P. 140-143°

50 g 18. —

1,2-Dihydroxyethylene-bis-acrylamide (N,N'-Bisacryloyl-1,2-dihydroxy-1,2-ethylenediamine; DHEBA) $\text{CH}_2\text{:CHCONHCH(OH)CH(OH)NHCOCH:CH}_2$ $\text{C}_8\text{H}_{12}\text{N}_2\text{O}_4$ M_r 200.20 [868-63-3]

37475

puriss. ~99% (C, H, N-Analysis); Cross-linking agent for polyacrylamide gel electrophoresis that produces a gel which is soluble in dilute periodic acid or dilute aqueous solutions of bases: P. B. H. O'Connell, C. J. Brady, Anal. Biochem. 76, 63 (1976)

5 g 12. —

Dihydroxyfumaric acid anhydrous (Dihydroxymaleic acid) $\text{HOCC(OH):C(OH)COOH}$ $\text{C}_4\text{H}_4\text{O}_6$ M_r 148.07 [133-38-0]

37690

purum >97% (T); M.P. ~155° dec.; Water 2-3%

10 g 12. —

50 g 50. —

3,4-Dihydroxyhydrocinnamic acid see 54130 Hydrocaffeic acid**Dihydroxymalonic acid** see 63980 Mesoxalic acid hydrate**4,6-Dihydroxy-2-mercaptopyrimidine** see 88481 2-Thiobarbituric acid

37695

3,4-Dihydroxy-5-methoxybenzaldehyde purum >99% (T); M.P. 130-131° dec. $\text{CH}_3\text{OC}_6\text{H}_2(\text{OH})_2\text{CHO}$ $\text{C}_8\text{H}_8\text{O}_4$ M_r 168.15 [3934-87-0]

10 g 11. —

50 g 46. —

1,2-Dihydroxy-3-methoxybenzene see 83140 Pyrogallol-1-methyl ether**3,4-Dihydroxy-2'-methylaminoacetophenone hydrochloride** see 02270 Adrenalone hydrochloride**L-3,4-Dihydroxy- α -(methylaminomethyl)benzylalcohol D-hydrogentartrate** see 02260 L-Adrenaline D-hydrogentartrate**1,8-Dihydroxy-3-methylanthraquinone** see 27260 Chrysophanic acid**2,6-Dihydroxy-1-methylpurine** see 69720 1-Methylxanthine**2,6-Dihydroxy-3-methylpurine** see 69722 3-Methylxanthine**2,6-Dihydroxy-7-methylpurine** see 69723 7-Methylxanthine**2,6-Dihydroxy-8-methylpurine** see 69724 8-Methylxanthine**2,6-Dihydroxy-9-methylpurine** see 69725 9-Methylxanthine**2,4-Dihydroxy-5-methylpyrimidine** see 89310 Thymine**2,4-Dihydroxy-6-methylpyrimidine** see 69640 4(6)-Methyluracil**3,5-Dihydroxy-6-methyl-1,2,4-triazine** see 11440 6-Azathymine

37724

1,2-Dihydroxynaphthalene purum M.P. 102-104° $\text{C}_{10}\text{H}_8(\text{OH})_2$ $\text{C}_{10}\text{H}_8\text{O}_2$ M_r 160.18 [574-00-5]

1 g 20. —

5 g 85. —

1,3-Dihydroxynaphthalene see 70650 Naphthoresorcinol**1,4-Dihydroxynaphthalene** see 70430 p-Naphthohydroquinone

		sFr.	sFr.
37730	1,5-Dihydroxynaphthalene pract. >97%(NT); M.P. 258-261° C ₁₀ H ₈ (OH) ₂ C ₁₀ H ₈ O ₂ M _r 160.18 [83-56-7]	100 g 12. —	500 g 50. —
	1,6-Dihydroxynaphthalene C ₁₀ H ₈ (OH) ₂ C ₁₀ H ₈ O ₂ M _r 160.18 [575-44-0]		
37740	techn. >80%; + 1,7-, 1,5- and 2,7-Dihydroxynaphthalene + 2-Naphthol (β); M.P. 122-132°	50 g 29. —	
37750	1,7-Dihydroxynaphthalene pract. M.P. 177-179° C ₁₀ H ₈ (OH) ₂ C ₁₀ H ₈ O ₂ M _r 160.18 [575-38-2]	100 g 28. —	500 g 120. —
37754	1,8-Dihydroxynaphthalene purum >97%(UV); M.P. 139-141° C ₁₀ H ₈ (OH) ₂ C ₁₀ H ₈ O ₂ M _r 160.18 [569-42-6]	1 g 16. —	5 g 67. —
37760	2,3-Dihydroxynaphthalene purum subl. M.P. 162-164°; Subl. residue <1% C ₁₀ H ₈ (OH) ₂ C ₁₀ H ₈ O ₂ M _r 160.18 [92-44-4]	50 g 18. —	250 g 75. —
37765	2,6-Dihydroxynaphthalene pract. M.P. 213-218° C ₁₀ H ₈ (OH) ₂ C ₁₀ H ₈ O ₂ M _r 160.18 [581-43-1]	10 g 38. —	
37781	2,7-Dihydroxynaphthalene purum M.P. 185-190° C ₁₀ H ₈ (OH) ₂ C ₁₀ H ₈ O ₂ M _r 160.18 [582-17-2]	25 g 8. —	100 g 25. —
	1,8-Dihydroxynaphthalene-3,6-disulfonic acid Disodium salt see 27150 Chromotropic acid Disodium salt Dihydrate		
	5,8-Dihydroxy-1,4-naphthoquinone (HO) ₂ C ₆ H ₂ COCH:CHCO C ₁₀ H ₆ O ₄ M _r 190.16 [475-38-7]		
37790	purum ~98%(UV); M.P. ~220-230°; Subl. residue ~2%	1 g 25. —	5 g 105. —
	1,2-Dihydroxy-4-nitrobenzene see 73240 4-Nitrocatechol		
	2,4-Dihydroxy-5-nitropyrimidine see 74100 5-Nitrouracil		
	4,7-Dihydroxy-o-phenanthroline (1,10) C ₁₂ H ₈ N ₂ (OH) ₂ C ₁₂ H ₈ N ₂ O ₂ M _r 212.21 [3922-40-5]		
37820	puriss. p.a. for colorimetric determination of Fe in strong alkaline solution	100 mg 20. —	500 mg 85. —
	2,5-Dihydroxyphenylacetic acid see 53560 Homogentisic acid		
37860	3,4-Dihydroxyphenylacetic acid purum ~98%(T); M.P. 128-132° (HO) ₂ C ₆ H ₃ CH ₂ COOH C ₈ H ₈ O ₄ M _r 168.15 [102-32-9]	1 g 12. —	5 g 50. —
	3-(3,4-Dihydroxyphenyl)-L-alanine (L-DOPA) (HO) ₂ C ₆ H ₃ CH ₂ CH(NH ₂)COOH C ₉ H ₁₁ NO ₄ M _r 197.19 [59-92-7]		
37830	puriss. CHR >99%(NT); M.P. ~295° dec.; [α] _D ²⁰ -13.0±0.5°; [α] _D ²⁰ -11.5±0.5° (c = 1 in 1n HCl)	5 g 9. —	25 g 33. —
	3-(3,4-Dihydroxyphenyl)-D-alanine (D-DOPA) (HO) ₂ C ₆ H ₃ CH ₂ CH(NH ₂)COOH C ₉ H ₁₁ NO ₄ M _r 197.19 [5796-17-8]		
37840	puriss. CHR; [α] _D ²⁰ +13.0±2° (c = 1 in 1n HCl)	1 g 15. —	5 g 63. —
37850	3-(3,4-Dihydroxyphenyl)-DL-alanine puriss. >99%(NT) (DL-DOPA) (HO) ₂ C ₆ H ₃ CH ₂ CH(NH ₂)COOH C ₉ H ₁₁ NO ₄ M _r 197.19 [63-84-3]	5 g 12. —	25 g 50. —
	2-(2,4-Dihydroxyphenylazo)thiazole see 88414 4-(2-Thiazolylazo)resorcinol		
	2-(3,4-Dihydroxyphenyl)ethylamine hydrochloride see 56610 3-Hydroxytyramine hydrochloride		
	3-(3,4-Dihydroxyphenyl)-2-methyl-L-alanine (Methyl-L-DOPA) (HO) ₂ C ₆ H ₃ CH ₂ C(CH ₃)(NH ₂)COOH.H ₂ O C ₁₀ H ₁₃ NO ₄ .H ₂ O M _r 229.24 [555-30-6]		
37862	puriss. water ~11%; [α] _D ²⁰ -17±2° (c = 1 in H ₂ O)	5 g 32. —	25 g 135. —
	Dihydroxyphenyl methyl ketone see Dihydroxyacetophenone		
	3-(3,4-Dihydroxyphenyl)propionic acid see 54130 Hydrocaffeic acid		
	18,21-Dihydroxy-4-pregnene-3,20-dione see 55175 18-Hydroxy-11-deoxycorticosterone		
	2,3-Dihydroxypropionic acid see 50030 Glyceric acid		
	1-(2,3-Dihydroxypropyl)piperidine (3-Piperidino-1,2-propanediol) CH ₂ (CH ₂) ₄ NCH ₂ CH(OH)CH ₂ OH C ₈ H ₁₇ NO ₂ M _r 159.23 [4847-93-2]		
37898	purum >99%(NT); M.P. 79-81°	100 g 30. —	
	7-(2,3-Dihydroxypropyl)theophylline (Dyphylline) 6.1/81e C ₁₀ H ₁₄ N ₄ O ₄ M _r 254.25 [479-18-5]		
37910	purum >97%(N); M.P. 161-164°; Ash <0.1%	100 g 18. —	500 g 75. —

sFr.

sFr.

3,6-Dihydroxypseudocumene see 92510 Trimethylhydroquinone**2,4-Dihydroxypteridine** see 62651 Lumazine**2,6-Dihydroxypurine** see 95490 Xanthine**3,6-Dihydroxypyridazine** see 63270 Maleic hydrazide**2,6-Dihydroxypyridine-4-carboxylic acid** see 27460 Citrazinic acid**2,6-Dihydroxypyridine hydrochloride** (2,6-Pyridinediol hydrochloride) $\text{N:C(OH)CH:CHCH:COH.HCl}$ $\text{C}_5\text{H}_6\text{NO}_2\cdot\text{HCl}$ M_r 147.56 [10357-84-3]

37931

pract. ~95% (Cl); M.P. 206-210° dec.

10 g 15. —

50 g 63. —

2,4-Dihydroxypyrimidine see 94220 Uracil

37950

4,6-Dihydroxypyrimidine purum ~97% (NT); M.P. >300° (4,6-Pyrimidinediol) N:CHN:C(OH)CH:COH $\text{C}_4\text{H}_4\text{N}_2\text{O}_2$ M_r 112.09 [1193-24-4]

25 g 16. —

100 g 55. —

2,6-Dihydroxypyrimidine-4-carboxylic acid see 75500 Orotic acid**2,4-Dihydroxypyrimidine-5-carboxylic acid** see 21970 5-Carboxyuracil**4,8-Dihydroxyquinoline-2-carboxylic acid** see 95570 Xanthurenic acid**1,8-Dihydroxy-2-(4-sulfophenylazo)naphthalene-3,6-disulfonic acid Trisodium salt**

see 86100 Sulfanilic acid azochromotrop

1,8-Dihydroxy-2-(4-sulfo-1-naphthylazo)naphthalene-3,6-disulfonic acid Trisodium salt see 85470 SNADNS

37990

Dihydroxytartaric acid Disodium salt purum >97% (NT) (Sodium dihydroxytartrate) $\text{NaOOC(OH)}_2\text{C(OH)}_2\text{COONa}\cdot 2\text{H}_2\text{O}$ $\text{C}_4\text{H}_4\text{Na}_2\text{O}_8\cdot 2\text{H}_2\text{O}$ M_r 262.08 [866-17-1]

100 g 30. —

500 g 125. —

2,6-Dihydroxy-1,3,7,9-tetramethylpurinium methosulfate see 87955 1,3,7,9-Tetramethyl xanthinium metholsulfate

37960

2,6-Dihydroxytoluene pract. ~90% (GC); M.P. 114-116° (2-Methylresorcinol) $\text{CH}_3\text{C}_6\text{H}_3(\text{OH})_2$ $\text{C}_7\text{H}_8\text{O}_2$ M_r 124.14 [608-25-3]

100 g 16. —

500 g 67. —

3,4-Dihydroxytoluene see 53480 4-Methylcatechol**3,5-Dihydroxytoluene** see 75420 Orcine Monohydrate**3,5-Dihydroxy-1,2,4-triazine** see 11450 6-Azauracil**1,4-Dihydroxy-2,3,5-trimethylbenzene** see 92510 Trimethylhydroquinone**2,6-Dihydroxy-1,3,9-trimethylpurine** see 92765 1,3,9-Trimethylxanthine**1,10-Diiododecane** (Decamethylene diiodide) $\text{I(CH}_2\text{)}_{10}\text{I}$ $\text{C}_{10}\text{H}_{20}\text{I}_2$ M_r 394.08 [16355-92-3]

38010

purum >99% (I); M.P. 25-29°; store in refrigerator

100 g 25. —

500 g 105. —

03890

1,2-Diiodoethane purum >97% (I); M.P. 81-82°; store in refrigerator (Ethylene iodide) $\text{ICH}_2\text{CH}_2\text{I}$ $\text{C}_2\text{H}_4\text{I}_2$ M_r 281.86 [624-73-7]

25 g 14. —

100 g 50. —

3,5-Diiodo-2-hydroxybenzoic acid (3,5-Diiodosalicylic acid) $\text{HOC}_6\text{H}_2\text{I}_2\text{COOH}$ $\text{C}_7\text{H}_4\text{I}_2\text{O}_3$ M_r 389.92 [133-91-5]

38030

purum >98% (T); M.P. 220-230° dec.; Ash <0.1%

25 g 16. —

100 g 55. —

Diiodomethane see 66880 Methylene iodide**1,8-Diiodooctane** (Octamethylene diiodide) $\text{I(CH}_2\text{)}_8\text{I}$ $\text{C}_8\text{H}_{16}\text{I}_2$ M_r 366.03 [24772-63-2]

38070

purum >97% (GC); B.P. 98-100°; d_4^{20} 1.84; n_D^{20} 1.564

1 lt ≈ 1.84 kg

25 ml 40. —

1,3-Diiodopropane (Trimethylene diiodide) $\text{I(CH}_2\text{)}_3\text{I}$ $\text{C}_3\text{H}_6\text{I}_2$ M_r 295.89 [627-31-6]

38090

purum >97% (GC); B.P. 54-56°; d_4^{20} 2.56; n_D^{20} 1.642

1 lt ≈ 2.56 kg

25 ml 20. —

100 ml 70. —

38095

3,5-Diiodo-4-pyridone-N-acetic acid purum M.P. 248-250° $\text{HOOCCH}_2\text{NCH:C(I)COC(I):CH}$ $\text{C}_7\text{H}_5\text{I}_2\text{NO}_3$ M_r 404.93 [101-29-1]

50 g 24. —

250 g 100. —

3,5-Diiodosalicylic acid see 38030 3,5-Diiodo-2-hydroxybenzoic acid**3,5-Diiodo-L-thyronine** [3,5-Diiodo-4-(4-hydroxyphenoxy)-L-phenylalanine] $\text{HOC}_6\text{H}_4\text{OC}_6\text{H}_2\text{I}_2\text{CH}_2\text{CH(CH}_2\text{)COOH}$ $\text{C}_{15}\text{H}_{13}\text{I}_2\text{NO}_4$ M_r 525.08 [1779-25-5]

38100

purum M.P. 255-257° dec.; $[\alpha]_{540}^{20} + 31 \pm 2^\circ$ (c = 1 in nHCl/C₂H₅OH 1:2); store in refrigerator

250 mg 13. —

1 g 45. —

					sFr.	sFr.
38120	3,5-Diiodo-DL-thyronine purum HOC ₆ H ₄ OC ₆ H ₂ I ₂ CH ₂ CH(NH ₂)COOH C ₁₅ H ₁₃ I ₂ NO ₄ M _r 525.08 [534-51-0]				1 g 20. —	5 g 85. —
38130	3,5-Diiodo-L-tyrosine purum M.P. 199-201° dec. (Iodogorgoic acid) HOC ₆ H ₂ I ₂ CH ₂ CH(NH ₂)COOH.2H ₂ O C ₉ H ₉ I ₂ NO ₃ .2H ₂ O M _r 469.02 [300-39-0]				50 g 34. —	250 g 145. —
	Diisobutyl see 40510 2,5-Dimethylhexane					
	Diisobutylaluminum hydride pract. (DIBAH) 4.2/3 [(CH ₃) ₂ CHCH ₂] ₂ AlH C ₈ H ₁₈ Al M _r 142.22 [1191-15-7]					
38142		Cyl with 0.25 lt, net ~ 150 g	240. —	(product price 100. —)		
38144		Cyl. with 1.50 lt, net ~ 1 kg	360. —	(product price 190. —)		
	Diisobutylaluminum hydride (DIBAH)					
38148	4.2/3 20% in Hexane; ~ 1.0 mol/lt; Reducing agent. Review: E. Winterfeldt, Synthesis 617 (1975)	1 lt ≈ 0.70 kg	400 ml 90. —			
38149	20% in Toluene; ~ 1.2 mol/lt; Reducing agent	1 lt ≈ 0.85 kg	400 ml 90. —			
	Diisobutylamine 3/3; 30° (CH ₃) ₂ CHCH ₂ NHCH ₂ CH(CH ₃) ₂ C ₆ H ₁₅ N M _r 129.25 [110-96-3]					
38160	purum >98%(GC); B.P. 137-142°; d ₄ ²⁰ 0.744; n _D ²⁰ 1.409	1 lt ≈ 0.74 kg	500 ml 24. —	1 lt 45. —		
	N,N-Diisobutyl-3-amino-2,4-dimethylpentane 3/4; 93° [(CH ₃) ₂ CH] ₂ CHN[CH ₂ CH(CH ₃) ₂] ₂ C ₁₅ H ₃₃ N M _r 227.44 [54561-97-6]					
38170	purum >98%(GC); d ₄ ²⁰ 0.816; n _D ²⁰ 1.447	1 lt ≈ 0.82 kg	50 ml 17. —			
	(Diisobutylcresoxyethoxyethyl)dimethylbenzylammonium chloride Monohydrate see 53753 Hyamine 10-X					
	α-Diisobutylene see 92670 2,4,4-Trimethyl-1-pentene					
	β-Diisobutylene see 92679 2,4,4-Trimethyl-2-pentene					
	Diisobutylene (2,4,4-Trimethyl-1-pentene + 2,4,4-Trimethyl-2-pentene) 3/1a; -6° (CH ₃) ₃ CCH ₂ C(CH ₃):CH ₂ +(CH ₃) ₃ CCH:C(CH ₃) ₂ C ₈ H ₁₆ M _r 112.22 [107-39-1]					
38180	techn. ~ 75% 2,4,4-Trimethyl-1-pentene + ~ 25% 2,4,4-Trimethyl-2-pentene; B.P. 98-102°; d ₄ ²⁰ 0.716	1 lt ≈ 0.72 kg	1 lt 16. —	5 lt 67. —		
	Diisobutyl ether see 38138 Isobutyl ether					
	Diisobutyl ketone see 38190 2,6-Dimethyl-4-heptanone					
	(Diisobutylphenoxyethoxyethyl)dimethylbenzylammonium chloride Monohydrate see 53752 Hyamine 1622					
38210	Diisobutyltin dichloride pract.; store in refrigerator 6.1/81f [(CH ₃) ₂ CHCH ₂] ₂ SnCl ₂ C ₈ H ₁₈ Cl ₂ Sn M _r 303.83 [19429-30-2]		250 g 33. —			
	1,6-Diisocyanatohexane see 52649 Hexamethylene diisocyanate					
	"Diisooctylamine" see 14490 Bis(2-ethylhexyl)amine					
38230	Diisopentylamine pract. ~ 96%(GC) 3/4; 58° (CH ₃) ₂ CHCH ₂ CH ₂ NHCH ₂ CH ₂ CH(CH ₃) ₂ C ₁₀ H ₂₃ N M _r 157.30 [544-00-3]	1 lt ≈ 0.77 kg	50 ml 34. —			
	Diisopentyl ketone see 38250 2,8-Dimethyl-5-nonanone					
	Diisopropanolamine see 14960 Bis(2-hydroxypropyl)amine					
	Diisopropyl see 39760 2,3-Dimethylbutane					
	Diisopropylamine 3/5; -7° (CH ₃) ₂ CHNHCH(CH ₃) ₂ C ₆ H ₁₅ N M _r 101.19 [108-18-9]					
38290	puriss. p.a.; B.P. 83-84°; d ₄ ²⁰ 0.714; n _D ²⁰ 1.393	1 lt ≈ 0.71 kg	250 ml 14. —	1 lt 50. —		
	Fluka-Guarantee:					
	Assay (GC)	>99.0 %	Copper (Cu)	<0.00001%		
	Water (H ₂ O)	<0.2 %	Lead (Pb)	<0.00001%		
	Residue on evaporation	<0.001 %	Cadmium (Cd)	<0.00001%		
	Iron (Fe)	<0.00005%	Zinc (Zn)	<0.00001%		
38300	purum >98%(GC); B.P. 80-82°; d ₄ ²⁰ 0.717; n _D ²⁰ 1.393	1 lt ≈ 0.72 kg	1 lt 20. —	2.5 lt 46. —		
	2-(Diisopropylamino)ethanol 3/4; 64° [(CH ₃) ₂ CH] ₂ NCH ₂ CH ₂ OH C ₈ H ₁₉ NO M _r 145.25 [96-80-0]					
38310	purum >98%(GC); B.P. 187-192° (Lit.); d ₄ ²⁰ 0.876; n _D ²⁰ 1.442	1 lt ≈ 0.88 kg	250 ml 18. —	1 lt 65. —		
	2-(Diisopropylamino)ethylamine (N,N-Diisopropylethylenediamine) 3/3; 54° [(CH ₃) ₂ CH] ₂ NCH ₂ CH ₂ NH ₂ C ₈ H ₂₀ N ₂ M _r 144.26 [121-05-1]					
38320	pract. >90%(GC); d ₄ ²⁰ 0.830; n _D ²⁰ 1.443	1 lt ≈ 0.83 kg	10 ml 28. —	50 ml 120. —		



D

			sFr.	sFr.
	2-(Diisopropylamino)ethyl chloride hydrochloride (2-Chloro-N,N-diisopropylethylamine hydrochloride)			
	[(CH ₃) ₂ CH] ₂ NCH ₂ CH ₂ Cl.HCl C ₈ H ₁₈ ClN.HCl M _r 200.15 [4261-68-1]			
38330	pract. >97%(Cl); M.P. 128-131°		100 g 16. —	500 g 67. —
	Diisopropylaminomethyl polystyrene			
38343	1.0-1.5 meq Base/g resin; <0.06 meq Cl/g resin		5 g 34. —	25 g 145. —
	2,6-Diisopropylaniline			
	6.1/21p [(CH ₃) ₂ CH] ₂ C ₆ H ₃ NH ₂ C ₁₂ H ₁₉ N M _r 177.29 [24544-04-3]			
38345	pract. ~95%(GC); B.P. ₁₀ 120-122° (Lit.); d ₄ ²⁰ 0.939; n _D ²⁰ 1.532	1 lt ≈ 0.94 kg	250 ml 26. —	
11626	Diisopropyl azodicarboxylate pract. B.P. 226-232°; d ₄ ²⁰ 1.044; n _D ²⁰ 1.421	1 lt ≈ 1.04 kg	100 ml 15. —	500 ml 63. —
	(CH ₃) ₂ CHOCON:NCOOCH(CH ₃) ₂ C ₈ H ₁₄ N ₂ O ₄ M _r 202.21 [2446-83-5]			
	1,3-Diisopropylbenzene (3-Isopropylcumene)			
	3/4; 77° (CH ₃) ₂ CHC ₆ H ₄ CH(CH ₃) ₂ C ₁₂ H ₁₈ M _r 162.28 [99-62-7]			
38350	techn. 90-95%(GC); Rest Isomeric compounds; d ₄ ²⁰ 0.855; n _D ²⁰ 1.488	1 lt ≈ 0.86 kg	250 ml 9. —	1 lt 30. —
	N,N'-Diisopropylcarbodiimide			
	3/3; 31° (CH ₃) ₂ CHN:C:NCH(CH ₃) ₂ C ₇ H ₁₄ N ₂ M _r 126.20 [693-13-0]			
38370	purum B.P. 145-148°; d ₄ ²⁰ 0.815; n _D ²⁰ 1.434	1 lt ≈ 0.82 kg	100 ml 60. —	
38389	2,2-Diisopropyl-1,3-dioxolane purum	1 lt ≈ 0.93 kg	100 ml 30. —	
	3/3; 51° QCH ₂ CH ₂ OQ[CH(CH ₃) ₂] ₂ C ₉ H ₁₈ O ₂ M _r 158.24			
	Diisopropyl ether see 38270 Isopropyl ether			
	N,N-Diisopropylethylamine see 03440 N-Ethyldiisopropylamine			
	N,N-Diisopropylethylenediamine see 38320 2-(Diisopropylamino)ethylamine			
	Diisopropyl fluorophosphate (DFP; Phosphoric acid diisopropylester fluoride)			
	6.1/81g [(CH ₃) ₂ CHO] ₂ POF C ₆ H ₁₄ FO ₃ P M _r 184.15 [55-91-4]			
38399	pract. >95%; severe poison; potent inhibitor of chymotrypsin and other enzymes (e.g. serine hydrolases): J. A. Cohen, R. A. Oosterbaan and F. Berends, Methods in Enzymology, Vol. XI, 686 (1967); inhibition of carboxypeptides but not DAP I; J. K. McDonald, P. X. Callahan and S. Ellis, Methods in Enzymology, Vol. XV, Part B, 275, 278 (1972)		1 g 60. —	
	N,N-Diisopropyl formamide			
	3/4; 75° HCON[CH(CH ₃) ₂] ₂ C ₇ H ₁₅ NO M _r 129.20 [2700-30-3]			
38401	purum >98%(GC); M.P. 9-12°; B.P. ₁₁ 74-76°; d ₄ ²⁰ 0.891; n _D ²⁰ 1.437; Intermediate for the synthesis of highly branched aliphatic compounds: A. S. Fletcher, K. Smith, K. Swaminathan, J. Chem. Soc. Perkin I, 1881 (1977)	1 lt ≈ 0.89 kg	10 ml 20. —	50 ml 85. —
	N,N'-Diisopropylhydrazine monohydrochloride (sym.)			
	(CH ₃) ₂ CHNHNHCH(CH ₃) ₂ .HCl C ₆ H ₁₆ N ₂ .HCl M _r 152.67 [26254-05-7]			
38405	purum >99%(Cl); M.P. 205° dec.; reagent for carboxylic acid protection; D. H. R. Barton et al., J. Chem. Soc. (C) 929 (1972)		10 g 20. —	50 g 85. —
	sym.-Diisopropylideneacetone see 79360 Phorone			
	1,2:5,6-Di-O-isopropylidene-α-D-glucofuranose see 31460 Diacetone-D-glucose			
	2,3:4,6-Di-O-isopropylidene-2-keto-L-gulonic acid [(—)-Diacetone-2-keto-L-gluconic acid; 2,3:4,6-Di-O-isopropylidene-α-L-xylo-2-hexulofuranosonic acid]			
	C ₁₂ H ₁₈ O ₇ .H ₂ O M _r 292.29 [18467-77-1]			
31462	puriss. >99%(T); M.P. 97-100°; [α] ₅₄₀ ²⁰ —25±1°; [α] _D ²⁰ —21±1° (c = 2 in CH ₃ OH); Ash <0.05%; store in refrigerator		25 g 7. —	100 g 20. —
38410	1,2:5,6-Di-O-isopropylidene-D-mannitol purum M.P. 118-121°		5 g 26. —	25 g 110. —
	C ₁₂ H ₂₂ O ₆ M _r 262.31 [1707-77-3]			
38415	1,2:5,6-Di-O-isopropylidene-α-D-ribo-3-hexofuranosulose Monohydrate puriss.		1 g 20. —	5 g 85. —
	C ₁₂ H ₁₈ O ₆ .H ₂ O M _r 276.29 [2847-00-9]			
	Diisopropyl ketone see 38420 2,4-Dimethyl-3-pentanone			
	N,N'-Diisopropyl-O-methylisourea see 66638 O-Methyl-N,N'-diisopropylisourea			
	Diisopropoxy-titanium bis(acetylacetonate) ("Titanium acetylacetonate")			
	3/1a; 10° C ₁₈ H ₂₈ O ₆ Ti M _r 364.30 [17927-72-9]			
38435	pract.	1 lt ≈ 0.99 kg	100 ml 22. —	

			sFr.	sFr.
38438	N,N-Diisopropyl-3-pentylamine purum [(CH ₃) ₂ CH] ₂ NCH(CH ₂ CH ₃) ₃ C ₁₁ H ₂₅ N M _r 171.33	1 lt ≈ 0.79 kg	5 ml 26. —	25 ml 110. —
38441	3,5-Diisopropylsalicylic acid pract. >96%(T); Ash ~0.5% [(CH ₃) ₂ CH] ₂ C ₆ H ₂ (OH)COOH C ₁₃ H ₁₈ O ₃ M _r 222.28 [1322-56-1]		100 g 30. —	
38481	Diketene (Ketene dimer) 8/22; 44° CH ₂ :CCH ₂ COO C ₄ H ₆ O ₂ M _r 84.08 [2130-41-8] pract. >97%(GC); B.P. 127-130°; d ₄ ²⁰ 1.103; n _D ²⁰ 1.440; store in refrigerator; appearance: black-brown	1 lt ≈ 1.10 kg	100 ml 15. —	500 ml 63. —
38482	L-β,γ-Dilauroyl-α-cephalin (1,2-Dilauroyl-sn-glycerol-3-phosphorylethanolamine) C ₂₉ H ₅₈ NO ₈ P M _r 579.76 [59752-57-7] puriss. >99%(GC, after transesterification); [α] ₅₄₀ ²⁰ + 10.2±0.3° (c = 10 in Chlf./CH ₃ OH 9:1)		250 mg 70. —	
38483	L-β,γ-Dilauroyl-α-lecithin (1,2-Dilauroyl-sn-glycero-3-phosphorylcholine) C ₃₂ H ₆₄ NO ₈ P M _r 621.84 [18194-25-7] purum >97%(GC, after transesterification); M.P. 210-215°; [α] ₅₄₀ ²⁰ + 7.5±0.5° (c = 10 in CHCl ₃ /CH ₃ OH 9:1)		250 mg 70. —	1 g 255. —
38484	DL-β,γ-Dilauroyl-α-lecithin (rac-1,2-Dilauroylglycero-3-phosphorylcholine) C ₃₂ H ₆₄ NO ₈ P M _r 621.84 [18285-71-7] puriss. ~99%(GC, after transesterification)		250 mg 46. —	1 g 160. —
	Dilauroyl peroxide see 61740 Lauroyl peroxide			
	Dimedone see 38490 5,5-Dimethyl-1,3-cyclohexanedione			
	1,2- and 1,3-Dimercaptobenzene see 38494 and 38491 Benzene-1,2- and -1,3-dithiol			
	1,4-Dimercaptobutane see 19020 1,4-Butanedithiol			
	erythro-1,4-Dimercapto-2,3-butanediol see 43796 1,4-Dithioerythritol, DTE			
	1,2-Dimercaptoethane see 02390 1,2-Ethanedithiol			
	1,2- and 1,3-Dimercaptopropane see 81790 and 81800 1,2- and 1,3-Propanedithiol			
38520	2,3-Dimercapto-1-propanol (BAL) 6.1/81a HOCH ₂ CH(SH)CH ₂ SH C ₃ H ₈ OS ₂ M _r 124.22 [59-52-9] purum p.a. for Complexometry; >98%(RT); B.P. _{0.1} 68-70°; d ₄ ²⁰ 1.254; n _D ²⁰ 1.573; Collect. 19, 1162 (1954)	1 lt ≈ 1.25 kg	5 ml 21. —	25 ml 90. —
38492	meso-2,3-Dimercaptosuccinic acid purum >98%(T); M.P. 205-215° dec. HOOCCH(SH)CH(SH)COOH C ₄ H ₆ O ₄ S ₂ M _r 182.22 [304-55-2]	1 g 8. —	5 g 26. —	25 g 110. —
	2,5-Dimercapto-1,3,4-thiadiazole see 15100 Bismuthiol I			
	3,4-Dimercaptotoluene see 89700 Toluene-3,4-dithiol			
	1,1-Dimethoxyacetone see 67035 Methylglyoxal dimethyl acetal			
38552	2,4-Dimethoxyacetophenone pract. ~98%(GC) (Resacetophenone-dimethylether) (CH ₃ O) ₂ C ₆ H ₃ COCH ₃ C ₁₀ H ₁₂ O ₃ M _r 180.21 [829-20-9]		100 g 25. —	500 g 105. —
38558	3,4-Dimethoxyacetophenone pract. >98%(GC); M.P. 47-50° (CH ₃ O) ₂ C ₆ H ₃ COCH ₃ C ₁₀ H ₁₂ O ₃ M _r 180.21 [1131-62-0]	25 g 7. —	100 g 22. —	500 g 90. —
38580	2,5-Dimethoxyaniline (Aminohydroquinone dimethyl ether) 6.1/21 (CH ₃ O) ₂ C ₆ H ₃ NH ₂ C ₈ H ₁₁ NO ₂ M _r 153.18 [102-56-7] pract. >97%(NT); M.P. 78-80°		100 g 11. —	500 g 44. —
38590	3,4-Dimethoxyaniline (4-Aminopyrocatechol dimethyl ether; 4-Aminoveratrole) 6.1/21 (CH ₃ O) ₂ C ₆ H ₃ NH ₂ C ₈ H ₁₁ NO ₂ M _r 153.18 pract. >98%(NT); M.P. 85-89°		10 g 30. —	50 g 125. —
38600	3,5-Dimethoxyaniline (5-Aminoresorcinol dimethyl ether) 6.1/21 (CH ₃ O) ₂ C ₆ H ₃ NH ₂ C ₈ H ₁₁ NO ₂ M _r 153.18 [10272-07-8] pract. >98%(GC); M.P. 52-54°		10 g 22. —	50 g 90. —
38610	2,3-Dimethoxybenzaldehyde purum >97%(T); M.P. 49-51° (CH ₃ O) ₂ C ₆ H ₃ CHO C ₉ H ₁₀ O ₃ M _r 166.18 [86-51-1]		10 g 11. —	50 g 46. —
38619	2,4-Dimethoxybenzaldehyde purum >97%(T); M.P. 67-69° (CH ₃ O) ₂ C ₆ H ₃ CHO C ₉ H ₁₀ O ₃ M _r 166.18 [613-45-6]		25 g 13. —	100 g 45. —



			sFr.	sFr.
38630	2,5-Dimethoxybenzaldehyde pract. >98% (HPLC); M.P. 46-48° (CH ₃ O) ₂ C ₆ H ₃ CHO C ₉ H ₁₀ O ₃ M _r 166.18 [93-02-7]		25 g 13. —	100 g 45. —
	3,4-Dimethoxybenzaldehyde see 94860 Veratraldehyde			
38640	3,5-Dimethoxybenzaldehyde purum >97% (HPLC); M.P. 44-46° (CH ₃ O) ₂ C ₆ H ₃ CHO C ₉ H ₁₀ O ₃ M _r 166.18 [7311-34-4]		5 g 37. —	
	1,2-Dimethoxybenzene see 94840 Veratrole			
	1,3-Dimethoxybenzene ("Dimethylresorcinol"; Resorcinol dimethyl ether) C ₈ H ₈ (OCH ₃) ₂ C ₈ H ₁₀ O ₂ M _r 138.17 [151-10-0]			
83610	purum >99% (GC); B.P. ₁₀ 85-87°; d ₄ ²⁰ 1.065; n _D ²⁰ 1.525	1 lt ≈ 1.06 kg	100 ml 10. —	500 ml 42. —
	1,4-Dimethoxybenzene see 54000 Hydroquinone dimethyl ether			
	4,4'-Dimethoxybenzhydrol [Bis(4-methoxyphenyl)carbinol] CH ₃ OC ₆ H ₄ CH(OH)C ₆ H ₄ OCH ₃ C ₁₆ H ₁₆ O ₃ M _r 244.29 [728-87-0]			
38645	purum >97% (HPLC); M.P. 67-70°; 1 g clearly soluble in 10 ml Methanol		5 g 16. —	25 g 67. —
	3,3'-Dimethoxybenzidine (o-Dianisidine) 6.1/21 CH ₂ OC ₆ H ₃ (NH ₂)C ₆ H ₃ (NH ₂)OCH ₃ C ₁₄ H ₁₆ N ₂ O ₂ M _r 244.30 [119-90-4]			
33430	purum p.a. >99% (NT); M.P. 136-137°; Ash <0.5%; Analysis: Au, NO ₂ ⁻ , Ce(IV) (colorimetr.); Z. analyt. Chem. 167, 329 (1951); detection: Au, Co, Cu, SCN ⁻ , V; Inhalation and contact with skin should be avoided	10 g 12. —	50 g 50. —	250 g 210. —
38660	2,3-Dimethoxybenzoic acid purum >98% (T); M.P. 120-122° (CH ₃ O) ₂ C ₆ H ₃ COOH C ₉ H ₁₀ O ₄ M _r 182.18 [1521-38-6]		5 g 12. —	25 g 50. —
38670	2,4-Dimethoxybenzoic acid purum >98% (T); M.P. 107-109° (CH ₃ O) ₂ C ₆ H ₃ COOH C ₉ H ₁₀ O ₄ M _r 182.18 [91-52-1]		10 g 13. —	50 g 55. —
38680	2,6-Dimethoxybenzoic acid purum >98% (T); M.P. 185-187°; Ash <0.05% (CH ₃ O) ₂ C ₆ H ₃ COOH C ₉ H ₁₀ O ₄ M _r 182.18 [1466-76-8]		25 g 16. —	100 g 55. —
	3,4-Dimethoxybenzoic acid see 94872 Veratric acid			
38681	3,5-Dimethoxybenzoic acid purum >99% (T); M.P. 178-180° (CH ₃ O) ₂ C ₆ H ₃ COOH C ₉ H ₁₀ O ₄ M _r 182.18 [1132-21-4]		100 g 35. —	
	4,4'-Dimethoxybenzoin see 10510 p-Anisoin			
38690	4,4'-Dimethoxybenzophenone purum >97% (HPLC); M.P. 144-145° 6.1/21 (CH ₃ OC ₆ H ₄) ₂ CO C ₁₆ H ₁₄ O ₃ M _r 242.28 [90-96-0]		10 g 13. —	50 g 55. —
38695	2,3-Dimethoxybenzyl alcohol purum M.P. 48-50° (CH ₃ O) ₂ C ₆ H ₃ CH ₂ OH C ₉ H ₁₂ O ₃ M _r 168.19 [5653-67-8]		10 g 18. —	50 g 75. —
	3,4-Dimethoxybenzyl alcohol (Veratryl alcohol) (CH ₃ O) ₂ C ₆ H ₃ CH ₂ OH C ₉ H ₁₂ O ₃ M _r 168.19 [93-03-8]			
38700	purum >97% (GC); B.P. _{0.2} 135-137°; d ₄ ²⁰ 1.174; n _D ²⁰ 1.553	1 lt ≈ 1.17 kg	25 ml 18. —	100 ml 65. —
	3,4-Dimethoxybenzylamine see 94880 Veratrylamine			
	3,4-Dimethoxybenzylcyanide see 53630 Homoveratronicitrile			
	3,3'-(3,3'-Dimethoxy-4,4'-biphenylene)bis(2,5-bis[4-nitrophenyl]-2H-tetrazolium chloride) see 87961 Tetranitrobluetetrazolium chloride			
	4,4-Dimethoxy-2-butanone see 75830 3-Oxobutyraldehyde dimethyl acetal			
38828	2,3-Dimethoxycinnamic acid purum >99% (T); M.P. 180-182° (CH ₃ O) ₂ C ₆ H ₃ CH:CHCOOH C ₁₁ H ₁₂ O ₄ M _r 208.22 [10538-51-9]		10 g 30. —	
	2,5-Dimethoxy-2,5-dihydrofuran (cis + trans) (DMDF; 2,5-Dihydro-2,5-dimethoxyfuran) 3/3; 47° QCH(OCH ₃)CH:CHCHOCH ₃ C ₆ H ₁₀ O ₃ M _r 130.14 [332-77-4]			
38740	purum >97% (GC); B.P. 155-157°; d ₄ ²⁰ 1.072; n _D ²⁰ 1.435	1 lt ≈ 1.07 kg	100 ml 32. —	
	3,5-Dimethoxy-α,α-dimethylbenzyloxycarbonyl hydrazide (Ddz-hydrazide) (CH ₃ O) ₂ C ₆ H ₃ C(CH ₃) ₂ OCONHNH ₂ C ₁₂ H ₁₆ N ₂ O ₄ M _r 254.29 [39508-00-4]			
38754	purum >99% (NT); M.P. 108-110°		5 g 26. —	25 g 110. —

				sFr.	sFr.
	1,2-Dimethoxyethane (Ethylene glycol dimethyl ether; Dimethylglycol; mono-Glyme)				
38569	3/5; 5°	CH ₃ OCH ₂ CH ₂ OCH ₃ C ₄ H ₁₀ O ₂ M _r 90.12 [110-71-4]			
		for HPLC; B.P. 85°; d ₄ ²⁰ 0.867; n _D ²⁰ 1.379; UV cut-off 235 nm;			
		Solvent strength ε (Al ₂ O ₃) 0.68; H ₂ O < 0.1%	1 lt ≈ 0.87 kg	500 ml 60. —	1 lt 115. —
38570		purum ~99% (GC); B.P. 82-85°;			
		d ₄ ²⁰ 0.867; n _D ²⁰ 1.380; Water < 0.5%	1 lt ≈ 0.87 kg	100 ml 8. —	500 ml 26. —
				500 ml 26. —	2.5 lt 110. —
	2,2-Dimethoxyethylamine see 06579 2-Aminoacetaldehyde dimethyl acetal				
	9,10-Dimethoxy-1,3,4,6,7,11b-hexahydro-3-isobutyl-2H-benzo[a]quinolizin-2-one see 86727 Tetrabenazine				
	3,5-Dimethoxy-4-hydroxyacetophenone see 55185 4-Hydroxy-3,5-dimethoxyacetophenone				
	3,5-Dimethoxy-4-hydroxybenzaldehyde see 86220 Syringaldehyde				
	3,5-Dimethoxy-4-hydroxybenzoic acid see 86230 Syringic acid				
	3,5-Dimethoxy-4-hydroxycinnamic acid see 85430 Sinapic acid				
	Dimethoxymethane see 47649 Formaldehyde dimethyl acetal				
	4,9-Dimethoxy-7-methylfuro[3,2-g][1]benzopyran-5-one see 60730 Khellin				
38774		2,6-Dimethoxynaphthalene purum >99% (GC); M.P. 152-154°		10 g 30. —	50 g 125. —
		C ₁₀ H ₆ (OCH ₃) ₂ C ₁₂ H ₁₂ O ₂ M _r 188.23 [5486-55-5]			
38771		2,3-Dimethoxyphenol purum >98% (GC); B.P. 235-237°; d ₄ ²⁰ 1.175; n _D ²⁰ 1.540	1 lt ≈ 1.18 kg	5 ml 32. —	
	6.1/13c	(CH ₃ O) ₂ C ₆ H ₃ OH C ₈ H ₁₀ O ₃ M _r 154.17 [5150-42-5]			
38772		2,6-Dimethoxyphenol pract. ~95% (HPLC); M.P. ~50°; H ₂ O < 3%		25 g 17. —	100 g 60. —
	6.1/13c	(CH ₃ O) ₂ C ₆ H ₃ OH C ₈ H ₁₀ O ₃ M _r 154.17 [91-10-7]			
38773		3,5-Dimethoxyphenol purum >99% (GC); M.P. 40-43°; B.P. _{0.05} 115°		10 g 30. —	50 g 125. —
	6.1/13c	(CH ₃ O) ₂ C ₆ H ₃ OH C ₈ H ₁₀ O ₃ M _r 154.17 [500-99-2]			
38776		2,5-Dimethoxyphenylacetic acid purum >97% (T); M.P. 123-125°		5 g 21. —	
		(CH ₃ O) ₂ C ₆ H ₃ CH ₂ COOH C ₁₀ H ₁₂ O ₄ M _r 196.21 [1758-25-4]			
	3,4-Dimethoxyphenylacetic acid see 53650 Homoveratric acid				
	3,4-Dimethoxyphenylacetonitrile see 53630 Homoveratronitrile				
	2-(3,4-Dimethoxyphenyl)ethylamine see 53660 Homoveratrylamine				
	N-[2-(3,4-Dimethoxyphenyl)ethyl]-3,4-dimethoxyphenylacetamide see 53640 N-(Homoveratroyl)homoveratrylamine				
	2,2-Dimethoxypropane (Acetone dimethyl acetal)				
00660	3/1a; -10°	(CH ₃) ₂ C(OCH ₃) ₂ C ₅ H ₁₂ O ₂ M _r 104.15 [77-76-9]			
		purum >98% (GC); B.P. 79-81°; d ₄ ²⁰ 0.849; n _D ²⁰ 1.378	1 lt ≈ 0.85 kg	250 ml 18. —	1 lt 65. —
	2,6-Dimethoxypyridine				
38800		N:C(OCH ₃)CH:CHCH:COCH ₃ C ₇ H ₉ NO ₂ M _r 139.16 [6231-18-1]			
		purum >97% (GC); B.P. 178°; d ₄ ²⁰ 1.086; n _D ²⁰ 1.503	1 lt ≈ 1.09 kg	25 ml 22. —	
	5,5-Dimethoxy-1,2,3,4-tetrachlorocyclopentadiene				
38817		ClC:C(Cl)C(Cl):C(Cl)C(OCH ₃) ₂ C ₇ H ₆ Cl ₄ O ₂ M _r 264.94 [2207-27-4]			
		pract. >97% (GC); M.P. 26-28°; B.P. ₁₁ 108-110° (Lit.); store in refrigerator;			
		Highly reactive diene for Diels-Alder reactions: L. Fieser, M. Fieser, "Reagents for Organic Synthesis", 1, 270; 2, 143; 3, 103; John Wiley and Sons Inc.;			
		reagent for a three carbon annulation (formation of cyclopentanones from olefins): M. E. Jung, J. P. Hudspeth, J. Am. Chem. Soc. 99, 5508 (1977)		5 g 16. —	25 g 67. —
	2,5-Dimethoxytetrahydrofuran (cis + trans)				
38821	3/3; 38°	QCH(OCH ₃)CH ₂ CH ₂ CHOCH ₃ C ₆ H ₁₂ O ₃ M _r 132.16 [696-59-3]			
		techn. ~95% (GC); d ₄ ²⁰ 1.026; n _D ²⁰ 1.418	1 lt ≈ 1.03 kg	50 ml 13. —	250 ml 55. —
				250 ml 55. —	1 lt 200. —
38823		4,4'-Dimethoxythiobenzophenone purum M.P. 116-118°		5 g 18. —	
	6.1/81a	CH ₃ OC ₆ H ₄ CSC ₆ H ₄ OCH ₃ C ₁₆ H ₁₄ O ₂ S M _r 258.34 [958-80-5]			
	α,α-Dimethoxytoluene see 12025 Benzaldehyde dimethylacetal				
	2,3-Dimethoxytoluene				
38825		(CH ₃ O) ₂ C ₆ H ₃ CH ₃ C ₉ H ₁₂ O ₂ M _r 152.20 [4463-33-6]			
		purum >98% (GC); B.P. ₁₀ 88-90°; d ₄ ²⁰ 1.036; n _D ²⁰ 1.514	1 lt ≈ 1.04 kg	10 ml 28. —	
	4,4'-Dimethoxytriphenyl methyl chloride (Chloro-4,4'-dimethoxytriphenylmethane; 4,4'-Dimethoxytrityl chloride)				
38827		(CH ₃ OC ₆ H ₄) ₂ CClC ₆ H ₅ C ₂₁ H ₁₉ ClO ₂ M _r 338.84 [40615-36-9]			
		purum ~97% (Cl); M.P. 121-123°; very hygroscopic		10 g 60. —	50 g 250. —

					sFr.	sFr.
	N,N-Dimethylacetamide					
	3/4; 66°	CH ₃ CON(CH ₃) ₂ C ₄ H ₉ NO M _r 87.12 [127-19-5]				
38840		puriss. p.a. >99.5%(GC); B.P. 165-167°; d ₄ ²⁰ 0.942; n _D ²⁰ 1.437	1 lt ≈ 0.94 kg	250 ml 10. —	1 lt 32. —	
38841		purum >98%(GC); B.P. 163-166°; d ₄ ²⁰ 0.940; n _D ²⁰ 1.437	1 lt ≈ 0.94 kg	1 lt 22. —	5 lt 90. —	
	N,N-Dimethylacetamide dimethyl acetal					
	3/3; 24°	CH ₃ C(OCH ₃) ₂ N(CH ₃) ₂ C ₆ H ₁₅ NO ₂ M _r 133.19 [18871-66-4]				
38850		pract. dest. ~95%(NT); B.P. 118-120°; d ₄ ²⁰ 0.911; n _D ²⁰ 1.412; stab. with 5-10% Methanol; very hygroscopic	1 lt ≈ 0.91 kg	10 ml 32. —	50 ml 135. —	
	2,6-Dimethylacetanilide see 01080 N-Acetyl-2,6-dimethylaniline					
38860	3,4-Dimethylacetanilide	purum M.P. 96-98° (N-Acetyl-3,4-dimethylaniline) (CH ₃) ₂ C ₆ H ₃ NHCOCH ₃ C ₁₀ H ₁₃ NO M _r 163.22 [17283-17-9]		25 g 24. —		
	Dimethyl 1,3-acetonedicarboxylate (Dimethyl 3-oxoglutarate)					
	3/4; 63°	CO(CH ₂ COOCH ₃) ₂ C ₇ H ₁₀ O ₆ M _r 174.16 [1830-54-2]				
00640		purum dest. B.P. ₁₂ 128-130°; d ₄ ²⁰ 1.202; n _D ²⁰ 1.445	1 lt ≈ 1.20 kg	25 ml 13. —	100 ml 45. —	
	2,4-Dimethylacetophenone					
		CH ₃ COC ₆ H ₃ (CH ₃) ₂ C ₁₀ H ₁₂ O M _r 148.21 [89-74-7]				
38871		purum >97%(GC); B.P. ₁₀ 120°; d ₄ ²⁰ 0.998; n _D ²⁰ 1.543	1 lt ≈ 1.00 kg	10 ml 22. —	50 ml 90. —	
	Dimethyl acetylenedicarboxylate					
	8/21	CH ₃ OCOC≡CCOOCH ₃ C ₆ H ₆ O ₄ M _r 142.11 [762-42-5]				
01110		purum ~98%(GC); B.P. ₁₅ 110-112°; d ₄ ²⁰ 1.157; n _D ²⁰ 1.447	1 lt ≈ 1.16 kg	10 ml 10. —	50 ml 40. —	
	Dimethyl acetylsuccinate					
	3/4; 90°	CH ₃ COCH(COOCH ₃)CH ₂ COOCH ₃ C ₈ H ₁₂ O ₅ M _r 188.18 [10420-33-4]				
00935		techn. ~70%; B.P. ₁₆ 123-128°; d ₄ ²⁰ 1.161; n _D ²⁰ 1.448	1 lt ≈ 1.16 kg	250 ml 17. —	1 lt 60. —	
	trans-2,3-Dimethylacrolein see 89449 Tiglic acid					
	trans-2,3-Dimethylacrylic acid see 89450 Tiglic acid					
	3,3-Dimethylacrylic acid (3-Methyl-2-butenic acid; Senecioic acid)					
		(CH ₃) ₂ C:CHCOOH C ₅ H ₈ O ₂ M _r 100.12 [541-47-9]				
38880		pract. >98%(T); M.P. (dried) 67-69°		250 g 20. —	1 kg 70. —	
	3,3-Dimethylacrylonitrile					
	6.1/21	(CH ₃) ₂ C:CHCN C ₅ H ₇ N M _r 81.12 [4786-24-7]				
38875		pract. >97%(GC); B.P. 142-144°; d ₄ ²⁰ 0.831; n _D ²⁰ 1.437	1 lt ≈ 0.83 kg	25 ml 29. —	100 ml 105. —	
	N⁶,N⁶-Dimethyladenine see 39400 6-Dimethylaminopurine					
02200	Dimethyl adipate	purum >99%(GC); M.P. 9-11°; d ₄ ²⁰ 1.062; n _D ²⁰ 1.428 CH ₃ OCO(CH ₂) ₄ COOCH ₃ C ₈ H ₁₄ O ₄ M _r 174.20 [627-93-0]	1 lt ≈ 1.06 kg	100 ml 7. —	500 ml 21. —	
	Dimethyl adipimidate dihydrochloride					
		C ₈ H ₁₆ N ₂ O ₂ ·2HCl M _r 245.15 [14620-72-5]				
02120		puriss. biochim. >99%(Cl); M.P. 222-224°; store in refrigerator; hygroscopic; "Highly useful cross-linking agent" for the modification of proteins via amidation: F. Wold, Methods in Enzymology, Vol. 25, Part. B, 623 (1972); M. J. Hunter and M. L. Ludwig, ibid. 585-596 (1972)		5 g 29. —	25 g 120. —	
	N,N-Dimethylalaninol see 39310 2-Dimethylamino-1-propanol					
	Dimethylallyl see 40513 2,5-Dimethyl-1,5-hexadiene					
	N,N-Dimethylallylamine see 05937 Allyldimethylamine					
38925	3,3-Dimethylallyl bromide	pract. 6.1/4a; 8° (CH ₃) ₂ C:CHCH ₂ Br C ₆ H ₉ Br M _r 149.04 [870-63-3]	1 lt ≈ 1.27 kg	10 ml 13. —	50 ml 55. —	
	Dimethylamine purum anhydrous; >97% + <3% CH ₃ NH ₂ + (CH ₃) ₃ N					
	2/3bt	(CH ₃) ₂ NH C ₂ H ₇ N M _r 45.08 [124-40-3]				
38930		Ampoules of 100 ml	1 lt ≈ 0.68 kg	100 ml 28. —		
38931	2/11bt	Pressure tin with 250 ml, net ~170 g		250 ml 30. — (Reg. valve 83547)		
38932		Cyl. with 2 lt; net ~1.1 kg	300. —	(price of gas 160. —)		
38934		Cyl. with 7 lt; net ~4.0 kg	400. —	(price of gas 200. —)		
38936		Cyl. with 27 lt; net ~15.0 kg	600. —	(price of gas 360. —)		
38940	3/5; -18°	purum 40% in water; ~7.9 mol/lt	1 lt ≈ 0.89 kg	1 lt 10. —	2.5 lt 22. —	
38950	3/5; -16°	purum 33% in abs. Alcohol; ~5.6 mol/lt	1 lt ≈ 0.76 kg	250 ml 10. —	1 lt 35. —	
	Dimethylamineborane see 15584 Boranedimethylamine complexe					

			sFr.	sFr.
38960	Dimethylamine hydrochloride purum >98% (Cl); M.P. 170-171°; H ₂ O <2% (CH ₃) ₂ NH.HCl C ₂ H ₇ N.HCl M _r 81.55 [506-59-2]		250 g 10. —	1 kg 35. —
	(Dimethylamino)acetic acid see 40360 N,N-Dimethylglycine			
	(Dimethylamino)acetone (1-Dimethylamino-2-propane) 3/3; 34° CH ₃ COCH ₂ N(CH ₃) ₂ C ₅ H ₁₁ NO M _r 101.16 [15364-56-4]			
38970	purum >98% (GC); B.P. 123.8°; d ₄ ²⁰ 0.866; n _D ²⁰ 1.414; store in refrigerator	1 lt ≈ 0.87 kg	10 ml 25. —	50 ml 105. —
	(Dimethylamino)acetonitrile (N,N-Dimethylglycinonitrile) 6.1/21; 35° (CH ₃) ₂ NCH ₂ CN C ₄ H ₈ N ₂ M _r 84.12 [926-64-7]			
38980	purum ~98% (GC); B.P. 134-137°; d ₄ ²⁰ 0.868; n _D ²⁰ 1.410	1 lt ≈ 0.87 kg	100 ml 32. —	500 ml 135. —
	3-Dimethylaminoacrolein 6.1/61 (CH ₃) ₂ NCH:CHCHO C ₅ H ₉ NO M _r 99.13 [927-63-9]			
38985	pract. >95% (NT); B.P. 273-276°; d ₄ ²⁰ 0.992; n _D ²⁰ 1.584	1 lt ≈ 0.99 kg	10 ml 30. —	50 ml 125. —
	4-Dimethylaminoazobenzene see 40300 Dimethyl Yellow			
	4-Dimethylaminoazobenzene-4'-arsonic acid hydrochloride (CH ₃) ₂ NC ₆ H ₄ N:NC ₆ H ₄ AsO ₃ H ₂ .HCl C ₁₄ H ₁₆ AsN ₃ O ₃ .HCl M _r 385.68 [622-68-4] (free acid)			
39060	purum p.a. determination of Zr; detection of F ⁻ , Zr		5 g 20. —	
	4-Dimethylaminoazobenzene-2'-carboxylic acid see 69130 Methyl Red			
	4-Dimethylaminoazobenzene-2'-carboxylic acid Sodium salt see 69140 Methyl Red Sodium salt			
	4-Dimethylaminoazobenzene-4'-isothiocyanate (DABITC) (CH ₃) ₂ NC ₆ H ₄ N:NC ₆ H ₄ NCS C ₁₅ H ₁₄ N ₄ S M _r 282.37 [7612-98-8]			
39065	purum ~98% (N); M.P. 160-162°; for Sequential analysis; Biochem. J. 157, 1 (1976); New chromophoric reagent for high-sensitivity protein sequence analysis: J.Y. Chang et al., Biochem. J. 153, 607 (1976); J.Y. Chang et al., FEBS Lett. 93, 205 (1978)		1 g 90. —	
	4-(N,N-Dimethylamino)-azobenzene-4'-sulfonyl chloride (DABS-Cl Dabsylchloride) (CH ₃) ₂ NC ₆ H ₄ N:NC ₆ H ₄ SO ₂ Cl C ₁₄ H ₁₄ ClN ₂ O ₂ S M _r 323.80 [56512-49-3]			
39068	purum; For the qualitative and quantitative identification of amino acids and for the determination of N-terminal amino acids: J.K. Lin, J.Y. Chang, Anal. Chem. 47, 1634 (1975); J.Y. Chang, E.H. Creaser, J. Chromatogr. 116, 215 (1976)		1 g 50. —	
	4-Dimethylaminobenzaldehyde (Ehrlich's Reagent sicc.) (CH ₃) ₂ NC ₆ H ₄ CHO C ₉ H ₁₁ NO M _r 149.19 [100-10-7]			
39070	puriss. p.a. M.P. 73-75°; analytical reagent for the determination of amines, indoles, hydrazines and hydrogen peroxides; spray reagent for tryptophan: J.E. Darney, S.R. Harvey and T.S. Hermann, J. Chromatogr. 45, 82 (1968)); R. Marchelli, O. Huteinger and R.A. Heacoco, ibid. 47, 523 (1970); for the determination of tryptophan in proteins: A. Bourgois, M. Fourgerau and C. de Preval, Eur. J. Biochem. 24, 446 (1972)	50 g 11. —	250 g 46. —	1 kg 160. —
	Fluka-Guarantee:			
	Assay	>99.0 %	Copper (Cu)	<0.0005%
	Ash (as SO ₄)	<0.1 %	Lead (Pb)	<0.0005%
	Loss on drying	<0.5 %	Iron (Fe)	<0.001 %
	Chloride (Cl)	<0.005%	Zinc (Zn)	<0.0005%
	Sulfate (SO ₄)	<0.005%	Calcium (Ca)	<0.0005%
	Solubility:			
	a) 1 g soluble in 25 ml Ethanol			
	b) 1 g soluble in 10% Hydrochloric acid			
	c) 0.1 g soluble in 10 ml H ₂ SO ₄ conc. Appearance of solution may be slightly beige			
39080	pract. >98% (NT); M.P. 70-74°		10 g 15. —	50 g 63. —
39100	3-Dimethylaminobenzoic acid purum cryst. M.P. 151-153° (CH ₃) ₂ NC ₆ H ₄ COOH C ₉ H ₁₁ NO ₂ M _r 165.19 [99-64-9]		100 g 32. —	
39140	4-Dimethylaminobenzonitrile purum >98% (NT); M.P. 71-74° 6.1/21 (CH ₃) ₂ NC ₆ H ₄ CN C ₉ H ₁₀ N ₂ M _r 146.19 [1197-19-9]		10 g 28. —	
	5-(4-Dimethylaminobenzylidene)rhodanine (CH ₃) ₂ NC ₆ H ₄ CH:CCONHCSS C ₁₂ H ₁₂ N ₂ OS ₂ M _r 264.37 [536-17-4]			
39090	puriss. p.a. >99% (S); M.P. 282-285° dec.; determination: Ag, Au, Hg; detection: Ag, Au, Cu, Hg, Pd, Pt; Alkaloids, Antipyrin, Indican, Sulfonamide, Urobilinogen		10 g 20. —	50 g 85. —



		sFr.	sFr.
39421	4-Dimethylaminocinnamaldehyde $(\text{CH}_3)_2\text{NC}_6\text{H}_4\text{CH}:\text{CHCHO}$ $\text{C}_{11}\text{H}_{13}\text{NO}$ M_r 175.23 [6203-18-5] purum >98%(NT); M.P. 136-138°; sensitive to light; 1 g clearly soluble in 20 ml Dioxane	5 g 21. —	25 g 90. —
	Dimethylaminocyclohexane see 40070 N,N-Dimethylcyclohexylamine		
	2-Dimethylamino-1,3-dioxane see 40285 N,N-Dimethylformamide trimethylene acetal		
	2-Dimethylamino-1,3-dioxolane see 40251 N,N-Dimethylformamide ethylene acetal		
39150	1-Dimethylaminododecane (N,N-Dimethyldodecylamine) $\text{CH}_3(\text{CH}_2)_{11}\text{N}(\text{CH}_3)_2$ $\text{C}_{14}\text{H}_{31}\text{N}$ M_r 213.41 [112-18-5] pract. ~95%(GC); B.P. ₁₅ 145-149° (Lit.); d_4^{20} 0.788; n_D^{20} 1.437; H_2O ~1-2%	1 lt ≈ 0.79 kg 250 ml 22. —	1 lt 80. —
39010	2-Dimethylaminoethanethiol hydrochloride techn. ~80%(RT); M.P. ~170°; oxidizes easily $(\text{CH}_3)_2\text{NCH}_2\text{CH}_2\text{SH} \cdot \text{HCl}$ $\text{C}_4\text{H}_{11}\text{NS} \cdot \text{HCl}$ M_r 141.66 [13242-44-9]	25 g 22. —	100 g 80. —
38990	2-Dimethylaminoethanol (N,N-Dimethylethanolamine; N,N-Dimethyl-2-hydroxyethylamine) 3/3; 31° $(\text{CH}_3)_2\text{NCH}_2\text{CH}_2\text{OH}$ $\text{C}_4\text{H}_{11}\text{NO}$ M_r 89.14 [108-01-0] purum >98%(GC); B.P. 134-136°; d_4^{20} 0.886; n_D^{20} 1.430	1 lt ≈ 0.89 kg 250 ml 8. —	1 lt 22. —
39000	2-Dimethylaminoethanol D-hydrogentartrate (Atrol; N,N-Dimethylethanolamine D-hydrogen tartrate) $(\text{CH}_3)_2\text{NCH}_2\text{CH}_2\text{OH} \cdot \text{C}_4\text{H}_6\text{O}_6$ $\text{C}_4\text{H}_{11}\text{NO} \cdot \text{C}_4\text{H}_6\text{O}_6$ M_r 239.23 [5988-51-2] purum >99%(NT); M.P. 111-113°; $[\alpha]_{540}^{20} + 20 \pm 1^\circ$; $[\alpha]_D^{20} + 18 \pm 1^\circ$ (c = 3 in water)	250 g 26. —	
39030	2-Dimethylaminoethylamine (N,N-Dimethylethylenediamine unsym.) 8/35; 12° $(\text{CH}_3)_2\text{NCH}_2\text{CH}_2\text{NH}_2$ $\text{C}_4\text{H}_{12}\text{N}_2$ M_r 88.15 [108-00-9] pract. 90-95%(GC); d_4^{20} 0.81; n_D^{20} 1.426; store in refrigerator	1 lt ≈ 0.81 kg 25 ml 7. — 100 ml 25. — 500 ml 105. —	
	2-Dimethylaminoethyl chloride hydrochloride see 24362 1-Chloro-2-dimethylaminoethane hydrochloride		
64140	2-Dimethylaminoethyl methacrylate 3/4; 64° $\text{CH}_2=\text{C}(\text{CH}_3)\text{COOCH}_2\text{CH}_2\text{N}(\text{CH}_3)_2$ $\text{C}_8\text{H}_{15}\text{NO}_2$ M_r 157.22 [2867-47-2] purum >98%(GC); B.P. 186-188°; d_4^{20} 0.932; n_D^{20} 1.439; stab. with 0.2% Hydroquinone monomethyl ether	1 lt ≈ 0.93 kg 100 ml 9. — 500 ml 34. —	
	7-Dimethylamino-4-hydroxy-3-oxo-3H-phenoxazine-1-carboxylic acid see 48610 Gallocyanine		
08365	Dimethyl aminomalonate hydrochloride $\text{NH}_2\text{CH}(\text{COOCH}_3)_2 \cdot \text{HCl}$ $\text{C}_5\text{H}_9\text{NO}_4 \cdot \text{HCl}$ M_r 183.59 [16115-80-3] puriss. ~99%(Cl); M.P. 155-160° dec.; Ash <0.05%	10 g 22. —	50 g 90. —
39146	7-Dimethylamino-4-methylcoumarine $\text{C}_{12}\text{H}_{13}\text{NO}_2$ M_r 203.24 [87-01-4] purum >98%(UV); M.P. 144-145°; H_2O <0.5%; Intermediate for the synthesis of novel fluorescent thiol reagents: M. Machida, N. Ushijima, T. Takahashi, Y. Kanaoka, Chem. Pharm. Bull. 25, 1289 (1977); K. Yamamoto, T. Sekine, Y. Kanaoka, Anal. Biochem. 79, 83 (1977)	5 g 18. —	25 g 75. —
39145	N-(7-Dimethylamino-4-methyl-3-coumarinyl)maleimide (DACM-3) $\text{C}_{18}\text{H}_{14}\text{N}_2\text{O}_4$ M_r 298.30 [55145-14-7] puriss. p.a.; Fluorescent probe with the advantage of a fluorescent spectrum at higher wave-length and with better water-solubility properties than the well-known "Dansyl"-group; Review: Y. Kanaoka, Angew. Chem. 89, 141 (1977), Int. Ed. 16, 137 (1977)	10 mg 280. —	
39144	2-(Dimethylaminomethyl)-1-cyclohexanone $\text{CO}(\text{CH}_2)_4\text{CHCH}_2\text{N}(\text{CH}_3)_2$ $\text{C}_9\text{H}_{17}\text{NO}$ M_r 155.24 [15409-60-6] pract. B.P. ₁₃ 100°; d_4^{20} 0.951; n_D^{20} 1.469	1 lt ≈ 0.95 kg 100 ml 35. —	
	3-(Dimethylaminomethyl)indole see 50860 Gramine		
39200	(Dimethylaminomethyl)phenol (DMP 10) 6.1/22 $(\text{CH}_3)_2\text{NCH}_2\text{C}_6\text{H}_4\text{OH}$ $\text{C}_9\text{H}_{13}\text{NO}$ M_r 151.21 [120-65-0] techn.; containing also 5-6% Phenol free and ~20% Bis(dimethylaminomethyl)phenol	250 g 14. —	1 kg 50. —
39205	Dimethylaminomethyl polystyrene 2.8-3.0 meq Base/g resin; <0.03 meq Cl/g resin	10 g 35. —	50 g 145. —

			sFr.	sFr.
	2-Dimethylamino-2-methyl-1-propanol anhydrous			
	3/3; 53° (CH ₃) ₂ C(CH ₂ OH)N(CH ₃) ₂ C ₆ H ₁₅ NO M _r 117.19 [7005-47-2]			
39210	pract. >97%(NT); B.P. 158-160° (Lit.); d ₄ ²⁰ 0.910; n _D ²⁰ 1.447		1 lt ≈ 0.91 kg	250 g 14. — 1 kg 50. —
	1-Dimethylaminonaphthalene see 40860 N,N-Dimethyl-1-naphthylamine			
	5-Dimethylaminonaphthalene-1-sulfonamide , (Dansylamide; DNSA)			
	(CH ₃) ₂ NC ₁₀ H ₆ SO ₂ NH ₂ C ₁₂ H ₁₄ N ₂ O ₂ S M _r 250.31 [1431-39-6]			
39225	puriss. >99%(N); M.P. 215-218° dec.		1 g 11. —	5 g 44. —
	5-Dimethylaminonaphthalene-1-sulfonylhydrazide see 30434 Dansyl hydrazine			
39230	5-Dimethylamino-1-naphthalenesulfonic acid purum >97%(T) (Dansic acid)		5 g 18. —	25 g 75. —
	(CH ₃) ₂ NC ₁₀ H ₆ SO ₃ H C ₁₂ H ₁₃ NO ₃ S M _r 251.31 [4272-77-9]			
	N-(5-Dimethylaminonaphthalene-1-sulfonyl)aziridine see 30431 Dansylaziridine			
	5-Dimethylamino-1-naphthalenesulfonyl chloride (Dansylchloride; DNS-Cl)			
	(CH ₃) ₂ NC ₁₀ H ₆ SO ₂ Cl C ₁₂ H ₁₂ ClNO ₂ S M _r 269.75 [605-65-2]			
39220	puriss. p.a. >98%(NT); M.P. 70-72°; For the preparation of fluorescent derivatives of amino acids: Z. Oberman, R. Chayen and M. Herzberg, Clin. Chim. Acta 29, 391 (1970); C. S. Brown and L. W. Cunningham, Biochemistry 9, 3878 (1970); end group analysis of proteins: W. R. Gray, Meth. in Enzymology, Vol. 25, 121 (1972)		1 g 16. —	5 g 67. — 50 g 400. —
	4-Dimethylamino-1-naphthyl isothiocyanate (DNTC)			
	(CH ₃) ₂ NC ₁₀ H ₆ NCS C ₁₃ H ₁₂ N ₂ S M _r 228.32 [29711-79-3]			
39250	puriss. biochim. M.P. 66.5-67.5°; "New fluorescent Edman-reagent for microanalysis of peptides": H. Ichikawa et al., Chem. Pharm. Bull. 18, 1498 (1970)		1 g 70. —	5 g 295. —
	3-Dimethylaminophenol (N,N-Dimethyl-3-aminophenol)			
	(CH ₃) ₂ NC ₆ H ₄ OH C ₈ H ₁₁ NO M _r 137.18 [99-07-0]			
39260	pract. >98%(NT); M.P. 82-85°; Ash <0.1%		100 g 20. —	500 g 85. —
	(1R,2S)(-)-2-Dimethylamino-1-phenyl-1-propanol see 66893 (-)-N-Methylephedrine			
39290	4-Dimethylaminopiperidine dihydrochloride purum		10 g 30. —	
	CH ₂ CH ₂ NHCH ₂ CH ₂ CHN(CH ₃) ₂ ·2HCl C ₇ H ₁₆ N ₂ ·2HCl M _r 201.14 [4876-59-9]			
	1-Dimethylamino-2-propanol (N,N-Dimethylisopropanolamine)			
	3/3; 41° CH ₃ CH(OH)CH ₂ N(CH ₃) ₂ C ₅ H ₁₃ NO M _r 103.17 [108-16-7]			
39300	pract. ~97%(NT); B.P. 122-126°; d ₄ ²⁰ 0.850; n _D ²⁰ 1.420		1 lt ≈ 0.85 kg	500 ml 17. — 1 lt 32. —
	2-Dimethylamino-1-propanol (N,N-Dimethylalaninol)			
	3/3; 41° (CH ₃) ₂ NCH(CH ₃)CH ₂ OH C ₅ H ₁₃ NO M _r 103.17 [15521-18-3]			
39310	purum ~97%(GC); B.P. 146-148°; d ₄ ²⁰ 0.895; n _D ²⁰ 1.438		1 lt ≈ 0.90 kg	5 ml 75. —
	3-Dimethylamino-1-propanol			
	3/3; 41° (CH ₃) ₂ N(CH ₂) ₃ OH C ₅ H ₁₃ NO M _r 103.17 [3179-63-3]			
39320	purum >98%(GC); B.P. 161-164°; d ₄ ²⁰ 0.882; n _D ²⁰ 1.436		1 lt ≈ 0.88 kg	100 ml 12. — 500 ml 50. —
	1-Dimethylamino-2-propanone see 38970 (Dimethylamino)acetone			
	3-Dimethylamino-1-propene see 05937 Allyldimethylamine			
	3-Dimethylaminopropionitrile			
	6.1/21 (CH ₃) ₂ NCH ₂ CH ₂ CN C ₅ H ₁₀ N ₂ M _r 98.15 [1738-25-6]			
39339	puriss. for Gelelectrophoresis >99.5%(GC); B.P. ₁₀ 60-61°;		1 lt ≈ 0.87 kg	50 ml 34. — 250 ml 145. —
	d ₄ ²⁰ 0.869; n _D ²⁰ 1.426		1 lt ≈ 0.87 kg	100 ml 45. — 500 ml 190. —
39340	pract. >97%(GC); B.P. ₁₀ 58-62°; d ₄ ²⁰ 0.873; n _D ²⁰ 1.426			
	1-Dimethylamino-2-propylamine (N ¹ ,N ¹ -Dimethylpropylenediamine)			
	8/35; 35° CH ₃ CH(NH ₂)CH ₂ N(CH ₃) ₂ C ₆ H ₁₄ N ₂ M _r 102.18 [63787-54-2]			
39370	pract. ~95%(GC); B.P. 113°; d ₄ ²⁰ 0.791; n _D ²⁰ 1.421		1 lt ≈ 0.79 kg	10 ml 25. — 50 ml 105. —
	3-Dimethylamino-1-propylamine (N,N-Dimethyl-1,3-diaminopropane;			
	8/35; 31° N,N-Dimethyl-1,3-propanediamine)			
	(CH ₃) ₂ N(CH ₂) ₃ NH ₂ C ₆ H ₁₄ N ₂ M _r 102.18 [109-55-7]			
39380	purum >98%(GC); B.P. 133-137°; d ₄ ²⁰ 0.817; n _D ²⁰ 1.436; H ₂ O <2%		1 lt ≈ 0.82 kg	250 ml 8. — 1 lt 22. —
	3-Dimethylamino-1-propyl chloride hydrochloride (3-Chloro-N,N-dimethylpropylamine hydrochloride)			
	(CH ₃) ₂ N(CH ₂) ₃ Cl·HCl C ₆ H ₁₂ ClN·HCl M _r 158.07 [5407-04-5]			
39390	purum >98%(Cl); M.P. 140-143°		100 g 14. —	500 g 60. —

				sFr.	sFr.
N-(3-Dimethylaminopropyl)-N'-ethylcarbodiimide hydrochloride					
	$C_8H_{17}N_3 \cdot C_2H_5N=C(N(CH_3)_2)N(CH_3)_2 \cdot HCl$	$C_8H_{17}N_3 \cdot HCl$	M_r 191.70 [7084-11-9]		
03449	puriss. biochim. >99% (Cl); M.P. 108-110°; hygroscopic; decomposes easily; store in refrigerator; Water soluble peptide coupling reagent; J. C. Sheehan			1 g 18. —	5 g 75
03450	M. E. Addy et al., Biochim. Biophys. Acta 295, 385 (1973)			1 g 11. —	5 g 46
	purum >97% (Cl); M.P. 105-110°; store in refrigerator				
3-Dimethylamino-1-propyne (N,N-Dimethylpropargylamine; N,N-Dimethyl 2-propynylamine)					
	3/1a; 16° $(CH_3)_2NCH_2C \equiv CH$	C_6H_9N	M_r 83.14 [7223-38-3]		
39330	purum >98% (GC); B.P. 79-81°; d_4^{20} 0.784; n_D^{20} 1.420		1 lt ≈ 0.78 kg	100 ml 30. —	500 ml 125
39400	6-Dimethylaminopurine purum >98% (NT); M.P. 261-263° (N ⁶ -N ⁶ -Dimethyladenine)			500 mg 20. —	1 g 70
	$C_7H_9N_5$ M_r 163.19 [938-55-6]				
4-Dimethylaminopyridine					
	$(CH_3)_2NCH_2CHCH=NCH_2CH$	$C_7H_{10}N_2$	M_r 122.17 [1122-58-3]		
39405	purum >98% (NT); M.P. 112-113°; 1 g clearly soluble in 10 ml Methanol; Hypernucleophilic acylation catalyst; Review: G. Höfle, W. Steglich, H. Vorbrüggen, Angew. Chem. 90, 602 (1978), Int. Ed. 17, 569 (1978)		10 g 8. —	50 g 32. —	250 g 135
3-Dimethylaminotoluene see 41680 N,N-Dimethyl-m-toluidine					
4-Dimethylaminotoluene see 41690 N,N-Dimethyl-p-toluidine					
N,N-Dimethylaminotrimethylsilane see 41720 N,N-Dimethyltrimethylsilylamine					
N,N-Dimethylaniline					
	6.1/21p; 62° $C_6H_5N(CH_3)_2$	$C_8H_{11}N$	M_r 121.18 [121-69-7]		
39430	puriss. p.a. M.P. 3-4.5°; B.P. 76-78°; d_4^{20} 0.956; n_D^{20} 1.558		1 lt ≈ 0.96 kg	100 ml 8. —	500 ml 26
	Fluka-Guarantee:				
	Assay (GC) >99.0%	Iron (Fe)	<0.00005%		
	Hydrochlorid acid test:	Copper (Cu)	<0.00001%		
	passes test	Lead (Pb)	<0.00001%		
	Aniline and Monomethylaniline:	Cadmium (Cd)	<0.00001%		
	passes test	Zinc (Zn)	<0.00001%		
39440	purum >98% (GC); d_4^{20} 0.956; n_D^{20} 1.557		1 lt ≈ 0.96 kg	1 lt 16. —	2.5 lt 35
2,3-Dimethylaniline (1-Amino-2,3-dimethylbenzene; 3-Amino-o-xylene; vic.-o-Xylidine)					
	6.1/21p $(CH_3)_2C_6H_3NH_2$	$C_8H_{11}N$	M_r 121.18 [87-59-2]		
39460	pract. >98% (GC); B.P. 130°; d_4^{20} 0.992; n_D^{20} 1.569		1 lt ≈ 0.99 kg	500 ml 21. —	
2,4-Dimethylaniline (1-Amino-2,4-dimethylbenzene; 4-Amino-m-xylene; asym.-m-Xylidine)					
	6.1/21p $(CH_3)_2C_6H_3NH_2$	$C_8H_{11}N$	M_r 121.18 [95-68-1]		
39480	pract. >98% (GC); B.P. 97-101°; d_4^{20} 0.977; n_D^{20} 1.558		1 lt ≈ 0.98 kg	100 ml 7. —	500 ml 20
2,5-Dimethylaniline (2-Amino-1,4-dimethylbenzene; 2-Amino-p-xylene; p-Xylidine)					
	6.1/21p $(CH_3)_2C_6H_3NH_2$	$C_8H_{11}N$	M_r 121.18 [95-78-3]		
39500	pract. >98% (GC); M.P. 13-15°; B.P. 98°; d_4^{20} 0.974; n_D^{20} 1.559		1 lt ≈ 0.97 kg	250 ml 16. —	1 lt 55
2,6-Dimethylaniline (2-Amino-1,3-dimethylbenzene; 2-Amino-m-xylene; vic.-m-Xylidine)					
	6.1/21p $(CH_3)_2C_6H_3NH_2$	$C_8H_{11}N$	M_r 121.18 [87-62-7]		
39520	purum >98% (GC); M.P. 10-12°; B.P. 93-97°; d_4^{20} 0.979; n_D^{20} 1.560		1 lt ≈ 0.98 kg	250 ml 16. —	1 lt 55
3,4-Dimethylaniline (4-Amino-1,2-dimethylbenzene; 4-Amino-o-xylene; asym.-o-Xylidine)					
	6.1/21 $(CH_3)_2C_6H_3NH_2$	$C_8H_{11}N$	M_r 121.18 [95-64-7]		
39540	purum >98% (GC); M.P. 48-50°; 1 g clearly soluble in 10 ml Methanol			250 g 21. —	1 kg 75
3,5-Dimethylaniline (1-Amino-3,5-dimethylbenzene; 5-Amino-m-xylene; sym.-m-Xylidine)					
	6.1/21 $(CH_3)_2C_6H_3NH_2$	$C_8H_{11}N$	M_r 121.18 [108-69-0]		
39550	pract. >97% (GC); M.P. 7-9°; B.P. 220-221° (Lit.); d_4^{20} 0.970; n_D^{20} 1.557		1 lt ≈ 0.97 kg	100 ml 16. —	500 ml 67
39555	9,10-Dimethylanthracene purum ~97% (HPLC); M.P. 176-180°			250 mg 20. —	1 g 70
	6.1/81g $C_{18}H_{14}$ M_r 206.29 [781-43-1]				
Dimethylarsinic acid Sodium salt see 20840 Cacodylic acid Sodium salt					
Dimethyl azelate (Methyl azelate)					
	$CH_3OCO(CH_2)_7COOCH_3$	$C_{11}H_{20}O_4$	M_r 216.28		
11530	pract. 90-95% (GC); B.P. 140-141° (Lit.); d_4^{20} 1.006; n_D^{20} 1.436		1 lt ≈ 1.01 kg	50 ml 12. —	250 ml 50
1,3-Dimethylbarbituric acid [1,3-Dimethyl-2,4,6-(1H,3H,5H)-pyrimidinetrione]					
	$CH_3NCON(CH_3)COCH_2CO$	$C_6H_8N_2O_3$	M_r 156.14 [769-42-6]		
39565	puriss. >99% (T); M.P. 121-123°; Ash <0.1%			50 g 20. —	250 g 8

				891	891					
2,4-Dimethylbenzaldehyde										
(CH ₃) ₂ C ₆ H ₃ CHO C ₈ H ₈ O M _r 134.17 [19/84-16-6]										
pract. 90-95% (GC) + 5% 2,5-Dimethylbenzaldehyde, B.P. 223-227°, d ₄ ²⁰ 1.017, n _D ²⁰ 1.543										
	1 kg	1.02 kg	5 ml	15	25 ml 63					
2,5-Dimethylbenzaldehyde										
(CH ₃) ₂ C ₆ H ₃ CHO C ₈ H ₈ O M _r 134.17 [67/79-94-2]										
purum >98% (GC), B.P. 220-222°, d ₄ ²⁰ 1.014, n _D ²⁰ 1.543										
	1 kg	1.01 kg	5 ml	16	25 ml 61					
7,12-Dimethylbenz[a]anthracene (9,10-Dimethyl-1,2-benzanthracene)										
6.1/81g C ₂₂ H ₁₆ (CH ₃) ₂ C ₂₂ H ₁₆ M _r 256.35 [67/97-6]										
purum >98% (HPLC), M.P. 122-123°, for experimental carcinogenicity, 1 g clearly soluble in 10 ml Chloroform, Irradiation and contact with skin should be avoided										
	100 mg	15	1 g	75						
1,2-, 1,3- and 1,4-Dimethylbenzene see 8981, 8987 and 8988 o-, m- and p-Xylene										
Dimethylbenzene sulfonic acid Sodium salt see 95710 Xylenesulfonic acid Sodium salt										
3,3'-Dimethylbenzidine see 8980 o-Tolidine										
5,6-Dimethylbenzimidazole purum >99% (NT), M.P. 202-205°	25 g	21	100 g	75						
(CH ₃) ₂ C ₆ H ₂ N:CHNH C ₈ H ₈ N ₂ M _r 146.19 [582-60-5]										
2,3-Dimethylbenzoic acid (vic.-o-Xylylic acid)										
(CH ₃) ₂ C ₆ H ₃ COOH C ₈ H ₈ O ₂ M _r 150.18 [603-79-2]										
purum >98% (T), M.P. 144-146°, 1 g clearly soluble in 10 ml Methanol										
	10 g	25	50 g	105						
2,4-Dimethylbenzoic acid (asym.-m-Xylylic acid)										
(CH ₃) ₂ C ₆ H ₃ COOH C ₈ H ₈ O ₂ M _r 150.18 [611-01-8]										
purum >98% (T), M.P. 124-126°, Ash <0.3%										
	10 g	25	50 g	105						
2,5-Dimethylbenzoic acid purum >99% (T), M.P. 132-134° (p-Xylylic acid)	10 g	18								
(CH ₃) ₂ C ₆ H ₃ COOH C ₈ H ₈ O ₂ M _r 150.18 [610-72-0]										
2,6-Dimethylbenzoic acid purum >98% (T), M.P. 114-117° (vic.-m-Xylylic acid)	1 g	20	5 g	85						
(CH ₃) ₂ C ₆ H ₃ COOH C ₈ H ₈ O ₂ M _r 150.18 [632-46-2]										
3,4-Dimethylbenzoic acid (asym.-o-Xylylic acid)										
(CH ₃) ₂ C ₆ H ₃ COOH C ₈ H ₈ O ₂ M _r 150.18 [619-04-5]										
purum >97% (T), M.P. 163-165°										
techn. >90% (T), M.P. 157-162°										
	50 g	18	250 g	75						
	250 g	24	1 kg	90						
3,5-Dimethylbenzoic acid (Mesitylenic acid; sym.-m-Xylylic acid)										
(CH ₃) ₂ C ₆ H ₃ COOH C ₈ H ₈ O ₂ M _r 150.18 [499-06-9]										
purum >98% (T), M.P. 169-171°, Ash <0.1%										
	10 g	18	50 g	75						
2,3-Dimethylbenzonitrile purum (3-Cyano-o-xylene)	1 kg	1.00 kg	100 ml	20	500 ml 85					
6.1/21 (CH ₃) ₂ C ₆ H ₃ CN C ₈ H ₇ N M _r 131.18 [5724-56-1]										
2,4-Dimethylbenzonitrile purum (4-Cyano-m-xylene)	100 g	15	500 g	63						
6.1/21 (CH ₃) ₂ C ₆ H ₃ CN C ₈ H ₇ N M _r 131.18 [21789-36-6]										
2,5-Dimethylbenzonitrile (2-Cyano-p-xylene)										
6.1/21 (CH ₃) ₂ C ₆ H ₃ CN C ₈ H ₇ N M _r 131.18 [13730-09-1]										
pract. ~95% (GC) + ~5% 2,4-Dimethylbenzonitrile, d ₄ ²⁰ 0.98, n _D ²⁰ 1.526										
	1 kg	0.98 kg	100 ml	20	500 ml 85					
α,α-Dimethylbenzyl alcohol see 78940 2-Phenyl-2-propanol										
N,N-Dimethylbenzylamine see 13370 N-Benzyl dimethylamine										
Dimethyl biphenyl-4,4'-dicarboxylate purum M.P. 215-217°	5 g	32	25 g	135						
CH ₃ OCOC ₆ H ₄ C ₆ H ₄ COOCH ₃ C ₁₆ H ₁₂ O ₄ M _r 270.29 [792-74-5]										
4,4'-Dimethyl-2,2'-bipyridine see 40220 4,4'-Dimethyl-2,2'-dipyridyl										
1,1'-Dimethyl-4,4'-bipyridinium dichloride (Methyl viologen)										
C ₁₂ H ₁₂ Cl ₂ N ₂ M _r 255.15 [1910-42-5]										
purum >97% (Cl), Redox-Indicator										
	1 g	20	5 g	67						
1,2-Dimethyl-4,5-bis(mercaptomethyl)benzene [1,2-Bis(mercaptomethyl)-4,5-dimethylbenzene; Durene-α',α'-dithiol]										
(CH ₃) ₂ C ₆ H ₂ (CH ₂ SH) ₂ C ₁₀ H ₁₀ S ₂ M _r 198.35 [10230-61-3]										
purum >97% (RT), M.P. 65-67°										
	1 g	22	5 g	90						

			sFr.	sFr.
17510	Dimethyl bromomalonate pract. ~90%(GC); B.P., 105-108° $\text{BrCH}(\text{COOCH}_3)_2$ $\text{C}_6\text{H}_7\text{BrO}_4$ M_r 211.03 [868-26-8]	1 lt $\approx$ 1.64 kg	25 ml 29. —	
	2,3-Dimethyl-1,3-butadiene 3/1a; -1° $\text{CH}_2:\text{C}(\text{CH}_3)\text{C}(\text{CH}_3):\text{CH}_2$ C_6H_{10} M_r 82.15 [513-81-5]			
39719	puriss. monomer >99%(GC); B.P. 68-69°; d_4^{20} 0.727; n_D^{20} 1.438; stab. with 0.1% Hydroquinone	1 lt $\approx$ 0.73 kg	25 ml 31. —	100 ml 115. —
39720	purum monomer >97%(GC); B.P. 68-70°; d_4^{20} 0.727; n_D^{20} 1.438; Pinacolone <2%; stab. with 0.1% Hydroquinone	1 lt $\approx$ 0.73 kg	50 ml 37. —	250 ml 155. —
	2,2-Dimethylbutane (Neohexane) 3/1a; -29° $\text{CH}_3\text{CH}_2\text{C}(\text{CH}_3)_3$ C_6H_{14} M_r 86.18 [75-83-2]			
39730	puriss. >99.5%(GC) + 2,3-Dimethylbutane; B.P. 48-49°; d_4^{20} 0.649; n_D^{20} 1.369	1 lt $\approx$ 0.65 kg	10 ml 25. —	50 ml 105. —
39740	purum >99%(GC); B.P. 47-50°; d_4^{20} 0.649; n_D^{20} 1.369	1 lt $\approx$ 0.65 kg	100 ml 25. —	500 ml 105. —
	2,3-Dimethylbutane (Diisopropyl) 3/1a; -29° $(\text{CH}_3)_2\text{CHCH}(\text{CH}_3)_2$ C_6H_{14} M_r 86.18 [79-29-8]			
39760	puriss. Standard for GC; >99.5%(GC); B.P. 58-59°; d_4^{20} 0.661; n_D^{20} 1.375	1 lt $\approx$ 0.66 kg	10 ml 25. —	50 ml 105. —
39770	purum >99%(GC); B.P. 57-59°; d_4^{20} 0.662; n_D^{20} 1.375	1 lt $\approx$ 0.66 kg	100 ml 14. —	500 ml 60. —
39780	pract. >95%(GC); B.P. 57-59°; d_4^{20} 0.661; n_D^{20} 1.375	1 lt $\approx$ 0.66 kg	100 ml 10. —	500 ml 40. —
	2,3-Dimethyl-2,3-butanediol see 80580 Pinacol anhydrous			
	3,3-Dimethyl-2-butanol (2,2-3) (tert-Butyl methyl carbinol; Pinacolone alcohol) 3/3; 26° $(\text{CH}_3)_3\text{CCH}(\text{OH})\text{CH}_3$ $\text{C}_6\text{H}_{14}\text{O}$ M_r 102.18 [464-07-9]			
39800	purum >97%(GC); M.P. 3-5°; B.P. 119-121°; d_4^{20} 0.819; n_D^{20} 1.415	1 lt $\approx$ 0.82 kg	50 ml 24. —	250 ml 100. —
	3,3-Dimethyl-2-butanone (tert-Butyl methyl ketone; Pinacolone; α,α,α -Trimethylacetone) 3/1a; 3° $\text{CH}_3\text{COC}(\text{CH}_3)_3$ $\text{C}_6\text{H}_{12}\text{O}$ M_r 100.16 [75-97-8]			
80570	purum dest. >98%(GC); B.P. 103-107°; d_4^{20} 0.805; n_D^{20} 1.397	1 lt $\approx$ 0.81 kg	100 ml 13. —	500 ml 55. —
	2,3-Dimethyl-1-butene 3/1a; -8° $(\text{CH}_3)_2\text{CHC}(\text{CH}_3):\text{CH}_2$ C_6H_{12} M_r 84.16 [563-78-0]			
39820	purum >99%(GC); B.P., 54-56°; d_4^{20} 0.678; n_D^{20} 1.391	1 lt $\approx$ 0.68 kg	10 ml 22. —	50 ml 90. —
	2,3-Dimethyl-2-butene (Tetramethylethylene) 3/1a; -8° $(\text{CH}_3)_2\text{C}:\text{C}(\text{CH}_3)_2$ C_6H_{12} M_r 84.16 [563-79-1]			
39829	puriss. >99.5%(GC); B.P. 73-74°; d_4^{20} 0.702; n_D^{20} 1.414	1 lt $\approx$ 0.70 kg	5 ml 21. —	25 ml 90. —
39830	purum >98%(GC); B.P. 71-74°; d_4^{20} 0.709; n_D^{20} 1.413	1 lt $\approx$ 0.71 kg	5 ml 7. —	25 ml 20. —
	3,3-Dimethyl-1-butene (Neohexene) 3/1a; -8° $(\text{CH}_3)_3\text{CCH}:\text{CH}_2$ C_6H_{12} M_r 84.16 [558-37-2]			
39832	puriss. >99%(GC); B.P. 40-41°; d_4^{20} 0.653; n_D^{20} 1.377	1 lt $\approx$ 0.65 kg	25 ml 21. —	100 ml 75. —
39831	purum ~97%(GC); B.P. 39-41°; d_4^{20} 0.653; n_D^{20} 1.377	1 lt $\approx$ 0.65 kg	100 ml 25. —	500 ml 105. —
	3,3-Dimethyl-1-butyne 3/1a $(\text{CH}_3)_3\text{CC}:\text{CH}$ C_6H_{10} M_r 82.15 [917-92-0]			
39840	pract. >95%(GC); B.P. 33-35°; d_4^{20} 0.674; n_D^{20} 1.374; store in refrigerator	1 lt $\approx$ 0.67 kg	5 ml 37. —	25 ml 155. —
	3,3-Dimethylbutyric acid (tert-Butylacetic acid) $(\text{CH}_3)_3\text{CCH}_2\text{COOH}$ $\text{C}_6\text{H}_{12}\text{O}_2$ M_r 116.16 [1070-83-3]			
39850	purum >98%(GC); M.P. 6-8°; B.P. 185-190°; d_4^{20} 0.912; n_D^{20} 1.411	1 lt $\approx$ 0.91 kg	25 ml 20. —	100 ml 70. —
	3,3-Dimethylbutyryl chloride see 19405 tert-Butylacetyl chloride			
	Dimethylcarbamoyl chloride (Chloroformic acid dimethyl amide) 6.1/61 $(\text{CH}_3)_2\text{NCOCl}$ $\text{C}_3\text{H}_6\text{ClNO}$ M_r 107.54 [79-44-7]			
39871	pract. >98%(Cl); B.P., 55-57°; d_4^{20} 1.172; n_D^{20} 1.453	1 lt $\approx$ 1.17 kg	100 ml 9. —	500 ml 34. —
39879	Dimethyl carbonate purum >99%(GC); B.P. 86-89°; d_4^{20} 1.070; n_D^{20} 1.369 3/1a; 16° $(\text{CH}_3\text{O})_2\text{CO}$ $\text{C}_3\text{H}_6\text{O}_3$ M_r 90.08 [616-38-6]	1 lt $\approx$ 1.07 kg	250 ml 10. —	1 lt 35. —
	3,3-Dimethyl-1-(2-carboxyphenyl)triazene [2-(3,3-Dimethyltriazene-1-yl)benzoic acid] $\text{HOOC}-\text{C}_6\text{H}_4\text{N}:\text{N}(\text{CH}_3)_2$ $\text{C}_9\text{H}_{11}\text{N}_3\text{O}_2$ M_r 193.21 [20119-28-2]			
39882	purum >99%(T); M.P. 124-126°; "Benzynes precursor"; J. Nakayama et al., Chem. Commun. 1222 (1970)		5 g 21. —	25 g 90. —

			sFr.	sFr.
	Dimethyl chloromalonate			
	$\text{ClCH}(\text{COOCH}_3)_2$ $\text{C}_6\text{H}_7\text{ClO}_4$ M_r 166.56 [28868-76-0]			
24981	techn. ~95%(GC); ~5% Dichloromalononic acid dimethyl ester (NMR); d_4^{20} 1.305; n_D^{20} 1.437		1 lt $\approx$ 1.30 kg	100 ml 22. — 500 ml 90. —
	Dimethylchlorosilane (Chlorodimethylsilane; DMCS)			
	8/23a; -23° $(\text{CH}_3)_2\text{SiHCl}$ $\text{C}_2\text{H}_7\text{ClSi}$ M_r 94.62 [1066-35-9]			
39900	puriss. B.P. 36-37°; d_4^{20} 0.865; n_D^{20} 1.384		1 lt $\approx$ 0.87 kg	50 ml 20. —
	4,6-Dimethylcoumalic acid see 58835 Isodehydracetic acid			
39910	Dimethylcyanamide purum >99%(GC); B.P. 163-164°; d_4^{20} 0.885; n_D^{20} 1.410 6.1/21 $(\text{CH}_3)_2\text{NCN}$ $\text{C}_3\text{H}_6\text{N}_2$ M_r 70.09 [1467-79-4]		1 lt $\approx$ 0.89 kg	50 ml 18. — 250 ml 75. —
	1,1-Dimethylcyclohexane			
	3/1a; 11° $\text{CH}_2(\text{CH}_2)_4\text{C}(\text{CH}_3)_2$ C_8H_{16} M_r 112.22 [590-66-9]			
39920	purum >99%(GC); B.P. 118-120°; d_4^{20} 0.780; n_D^{20} 1.429		1 lt $\approx$ 0.78 kg	5 ml 67. —
39940	cis-1,2-Dimethylcyclohexane purum >99%(GC) (cis-Hexahydro-o-xylene) 3/1a; 11° $\text{CH}_3\text{CH}(\text{CH}_2)_4\text{CHCH}_3$ C_8H_{16} M_r 112.22 [2207-01-4]		1 lt $\approx$ 0.80 kg	25 ml 33. —
	trans-1,2-Dimethylcyclohexane (trans-Hexahydro-o-xylene)			
	3/1a; 7° $\text{CH}_3\text{CH}(\text{CH}_2)_4\text{CHCH}_3$ C_8H_{16} M_r 112.22 [6876-23-9]			
39960	purum >99%(GC); B.P. 120-124°; d_4^{20} 0.776; n_D^{20} 1.427		1 lt $\approx$ 0.78 kg	10 ml 40. —
	1,2-Dimethylcyclohexane (cis + trans) (Hexahydro-o-xylene)			
	3/1a; 9° $\text{CH}_3\text{CH}(\text{CH}_2)_4\text{CHCH}_3$ C_8H_{16} M_r 112.22 [583-57-3]			
39970	puriss. >99%(GC); B.P. 123-124°; d_4^{20} 0.784; n_D^{20} 1.432		1 lt $\approx$ 0.78 kg	250 ml 18. — 1 lt 65. —
	cis-1,3-Dimethylcyclohexane			
	3/1a; 6° $\text{CH}_3\text{CH}(\text{CH}_2)_3\text{CH}(\text{CH}_3)\text{CH}_2$ C_8H_{16} M_r 112.22 [638-04-0]			
39985	puriss. >99%(GC); B.P. 121-122°; d_4^{20} 0.765; n_D^{20} 1.423		1 lt $\approx$ 0.77 kg	5 ml 32. — 25 ml 135. —
	1,3-Dimethylcyclohexane (cis + trans) (Hexahydro-m-xylene)			
	3/1a; 6° $\text{CH}_3\text{CH}(\text{CH}_2)_3\text{CH}(\text{CH}_3)\text{CH}_2$ C_8H_{16} M_r 112.22 [591-21-9]			
39980	puriss. >99.9%(GC); B.P. 122-124°; d_4^{20} 0.772; n_D^{20} 1.425		1 lt $\approx$ 0.77 kg	50 ml 20. — 250 ml 85. —
	cis-1,4-Dimethylcyclohexane (cis-Hexahydro-p-xylene)			
	3/1a; 6° $\text{CH}_2\text{CH}_2\text{CH}(\text{CH}_3)\text{CH}_2\text{CH}_2\text{CHCH}_3$ C_8H_{16} M_r 112.22 [624-29-3]			
39990	purum >98%(GC); B.P. 122-124; d_4^{20} 0.783; n_D^{20} 1.429; contains 0.5% trans-1,4-Dimethyl-cyclohexane		1 lt $\approx$ 0.78 kg	5 ml 32. — 25 ml 135. —
	trans-1,4-Dimethylcyclohexane (trans-Hexahydro-p-xylene)			
	3/1a; 6° $\text{CH}_2\text{CH}_2\text{CH}(\text{CH}_3)\text{CH}_2\text{CH}_2\text{CHCH}_3$ C_8H_{16} M_r 112.22 [2207-04-7]			
40000	purum >98%(GC); B.P. 117-119°; d_4^{20} 0.761; n_D^{20} 1.421		1 lt $\approx$ 0.76 kg	5 ml 18. — 25 ml 75. —
	1,4-Dimethylcyclohexane (cis + trans) (Hexahydro-p-xylene)			
	3/1a; 5° $\text{CH}_3\text{CHCH}_2\text{CH}_2\text{CH}(\text{CH}_3)\text{CH}_2\text{CH}_2$ C_8H_{16} M_r 112.22 [589-90-2]			
40010	puriss. >99%(GC); B.P. 121-123°; d_4^{20} 0.778; n_D^{20} 1.427		1 lt $\approx$ 0.78 kg	100 ml 15. —
	Dimethyl cyclohexane-1,4-dicarboxylate (cis + trans)			
	$\text{CH}_2\text{CH}_2\text{CH}(\text{COOCH}_3)\text{CH}_2\text{CH}_2\text{CHCOOCH}_3$ $\text{C}_{10}\text{H}_{16}\text{O}_4$ M_r 200.24 [94-60-0]			
28980	pract. ~95%(GC); B.P. 132° (Lit.); d_4^{20} 1.116; n_D^{20} 1.459		1 lt $\approx$ 1.12 kg	100 ml 11. — 500 ml 46. —
	5,5-Dimethyl-1,3-cyclohexanedione (Dimedone)			
	$(\text{CH}_3)_2\text{CCH}_2\text{COCH}_2\text{COCH}_2$ $\text{C}_8\text{H}_{12}\text{O}_2$ M_r 140.18 [126-81-8]			
38490	puriss. p.a. ~99%(C,H-Analysis); M.P. 146-148°; for determination of Aldehyde (formaldehyde)		10 g 7. —	50 g 21. — 250 g 85. —
40015	2,4-Dimethylcyclohexanol pract. Mixture of stereoisomers $\text{CH}_2\text{CH}_2\text{CH}(\text{CH}_3)\text{CH}_2\text{CH}(\text{CH}_3)\text{CHOH}$ $\text{C}_8\text{H}_{16}\text{O}$ M_r 128.22 [23713-65-7]		1 lt $\approx$ 0.91 kg	50 ml 29. —
	2,5-Dimethylcyclohexanol			
	3/4; 70° $\text{CH}_2\text{CH}(\text{CH}_3)\text{CH}_2\text{CH}_2\text{CH}(\text{CH}_3)\text{CHOH}$ $\text{C}_8\text{H}_{16}\text{O}$ M_r 128.22 [3809-32-3]			
40020	pract. Mixture of stereoisomers; B.P. 172-178°; d_4^{20} 0.905; n_D^{20} 1.457		1 lt $\approx$ 0.90 kg	50 ml 21. — 250 ml 90. —
	2,6-Dimethylcyclohexanol			
	3/4; 70° $\text{CH}_3\text{CH}(\text{CH}_2)_3\text{CH}(\text{CH}_3)\text{CHOH}$ $\text{C}_8\text{H}_{16}\text{O}$ M_r 128.22 [5337-72-4]			
40030	purum Mixture of stereoisomers; >98%(GC); d_4^{20} 0.926; n_D^{20} 1.460		1 lt $\approx$ 0.93 kg	100 ml 25. — 500 ml 105. —
	3,4-Dimethylcyclohexanol			
	3/4; 71° $\text{CH}_2\text{CH}_2\text{CH}(\text{CH}_3)\text{CH}(\text{CH}_3)\text{CH}_2\text{CHOH}$ $\text{C}_8\text{H}_{16}\text{O}$ M_r 128.22 [5715-23-1]			
40040	pract. Mixture of stereoisomers; B.P. 185-192°		1 lt $\approx$ 0.92 kg	100 ml 40. —

			sFr.	sFr.
3,5-Dimethylcyclohexanol				
40050	3/4; 74° $\text{CH}_2\text{CH}(\text{CH}_3)\text{CH}_2\text{CH}(\text{CH}_3)\text{CH}_2\text{CHOH}$ $\text{C}_8\text{H}_{16}\text{O}$ M_r 128.22 [767-13-5] pract. Mixture of stereoisomers; B.P. 179-186°; d_4^{20} 0.898; n_D^{20} 1.456	1 lt $\approx$ 0.90 kg	50 ml 29. —	250 ml 120. —
2,6-Dimethylcyclohexanone				
40052	$\text{CH}_3\text{CH}(\text{CH}_3)\text{CH}(\text{CH}_3)\text{CO}$ $\text{C}_8\text{H}_{14}\text{O}$ M_r 126.20 [2816-57-1] purum Mixture of stereoisomers; B.P. 90-91° (Lit.); d_4^{20} 0.911; n_D^{20} 1.447	1 lt $\approx$ 0.91 kg	25 ml 14. —	100 ml 50. —
N,N-Dimethylcyclohexylamine (Cyclohexyldimethylamine; Dimethylaminocyclohexane)				
40070	8/35; 39° $\text{CH}_2(\text{CH}_2)_4\text{CHN}(\text{CH}_3)_2$ $\text{C}_8\text{H}_{17}\text{N}$ M_r 127.23 [98-94-2] puriss. >99% (GC); B.P. 49-50°; d_4^{20} 0.849; n_D^{20} 1.454	1 lt $\approx$ 0.85 kg	250 ml 8. —	1 lt 22. —
2,5-Dimethyl-1-cyclopentanone (cis + trans)				
40090	3/3; 36° $\text{CH}_3\text{CHCH}_2\text{CH}_2\text{CH}(\text{CH}_3)\text{CO}$ $\text{C}_7\text{H}_{12}\text{O}$ M_r 112.17 [4041-09-2] purum >98% (GC); B.P. 144-148°; d_4^{20} 0.843; n_D^{20} 1.432	1 lt $\approx$ 0.84 kg	5 ml 42. —	25 ml 175. —
3,3-Dimethylcysteine see 76398, 76400 and 76410 L-, D- and DL-Penicillamine				
N,N'-Dimethyl-1,6-diaminohexane see 15031 N,N'-Dimethyl-1,6-hexanediamine				
N,N-Dimethyl-1,3-diaminopropane see 39380 3-Dimethylamino-1-propylamine				
Dimethyl dicarbonate (Dimethyl pyrocarbonate; Pyrocarbonic acid dimethylester)				
40130	3/4; 80° $(\text{CH}_3\text{OCO})_2\text{O}$ $\text{C}_4\text{H}_6\text{O}_5$ M_r 134.09 [4525-33-1] purum M.P. 15-17°; B.P. 45-46° (Lit.); d_4^{20} 1.254; n_D^{20} 1.393; Methoxycarbonylating agent; e.g. for aminobenzimidazoles and aminoisoxazoles; H.K. Mayer, D. Lauerer, H. Heitzer, Synthesis 673 (1975)	1 lt $\approx$ 1.25 kg	100 ml 38. —	500 ml 160. —
Dimethyldichlorosilane (Dichlorodimethylsilane)				
40140	8/23b; 23° $(\text{CH}_3)_2\text{SiCl}_2$ $\text{C}_2\text{H}_6\text{Cl}_2\text{Si}$ M_r 129.06 [75-78-5] puriss. >99.5% (GC); B.P. 69-70°; d_4^{20} 1.072; n_D^{20} 1.404	1 lt $\approx$ 1.07 kg	100 ml 10. —	500 ml 37. —
40150	purum >98% (GC); B.P. 68-70°; d_4^{20} 1.07; n_D^{20} 1.404	1 lt $\approx$ 1.07 kg	250 ml 11. —	1 lt 38. —
Dimethyldiethoxysilane see 40120 Diethoxydimethylsilane				
Dimethyl diethylmalonate (Diethyl-dimethylmalonate)				
32430	3/4; 80° $(\text{C}_2\text{H}_5)_2\text{C}(\text{COOCH}_3)_2$ $\text{C}_9\text{H}_{16}\text{O}_4$ M_r 188.23 [1619-62-1] purum >98% (GC); B.P. 204-205° (Lit.); d_4^{20} 1.035; n_D^{20} 1.428	1 lt $\approx$ 1.03 kg	250 ml 17. —	1 lt 60. —
Dimethyl diglycol see 32210 Diethylene glycol dimethyl ether				
2,2-Dimethyl-1,3-dioxane-4,6-dione see 63395 cycl-Isopropylidene malonate				
6,6-Dimethyl-5,7-dioxaspiro[2.5]octane-4,8-dione see 29923 cycl-Isopropylidene cyclopropane-1,1-dicarboxylate				
2,9-Dimethyl-4,7-diphenyl-1,10-phenanthroline see 11860 Bathocuproine				
4,4'-Dimethyl-2,2'-dipyridyl [2,2'-Bi(γ -picoline); 4,4'-Dimethyl-2,2'-bipyridine] $\text{N}:\text{CHCH}:\text{C}(\text{CH}_3)\text{CH}:\text{C}:\text{CHC}(\text{CH}_3):\text{CHCH}:\text{N}$ $\text{C}_{12}\text{H}_{12}\text{N}_2$ M_r 184.24 [1134-35-6]				
40220	puriss. p.a. $\sim$ 99% (NT); M.P. 171-173°; colorimetric Reagent		1 g 45. —	
Dimethyl disulfide see 40221 Methyl disulfide				
Dimethyldithiocarbamic acid Sodium salt see 71510 Sodium dimethyldithiocarbamate				
40233	O,O'-Dimethyldithiophosphoric acid Ammonium salt purum >98% (T) 6.1/81a $(\text{CH}_3\text{O})_2\text{P}(\text{S})\text{SNH}_4$ $\text{C}_2\text{H}_{10}\text{NO}_2\text{PS}_2$ M_r 175.21 [1066-97-3]		250 g 10. —	1 kg 35. —
N,N-Dimethyldodecylamine see 39150 1-Dimethylaminododecane				
40234	N,N-Dimethyldodecylamine-N-oxide purum 93% (NT); H_2O 7%; for biological purposes $\text{CH}_3(\text{CH}_2)_{11}\text{NO}(\text{CH}_3)_2$ $\text{C}_{14}\text{H}_{31}\text{NO}$ M_r 229.41 [1643-20-5]		1 g 11. —	5 g 46. —
Dimethylene sulfide see 03910 Ethylene sulfide				
(-)-N,N-Dimethylephedrinium bromide				
40235	$\text{C}_6\text{H}_5\text{CH}(\text{OH})\text{CH}(\text{CH}_3)\text{N}(\text{Br})(\text{CH}_3)_3$ $\text{C}_{12}\text{H}_{20}\text{BrNO}$ M_r 274.21 [55380-59-1] purum >99% (Br); M.P. 236-238; Chiral phase-transfer catalyst; Review: E.V. Dehmloew, Angew. Chem. 89, 521 (1977), Int. Ed. 16, 493 (1977); chiral supporting electrolyt: D. Brown, L. Horner, Liebigs Anal. Chem. 77 (1977); W.J.M. van Tilborg, C.J. Smit, Rec. Trav. Chim. Pays Bas 97, 89 (1978)		5 g 20. —	25 g 85. —

sFr.

sFr.

3,11-Dimethyl-10,11-epoxy-7-ethyl-2,6-tridecadienic acid methyl ester see 59993 C₁₈-Juvenile Hormone

N,N-Dimethylethanolamine see 38990 2-Dimethylaminoethanol

N,N-Dimethylethanolamine D-hydrogen tartrate see 39000 2-Dimethylaminoethanol D-hydrogentartrate

Dimethyl ether puriss. >99.8%(GC) (Methyl ether)
(CH₃)₂O C₂H₆O M_r 46.07 [115-10-6]

38911	2/11bt	Pressure tin with 250 ml, net ~150 g	250 ml 30. — (Reg. valve 83547)
38912	2/3bt	Cyl. with 2 lt, net ~1.2 kg	300. — (price of gas 160. —)
38914		Cyl. with 7 lt, net ~4.0 kg	400. — (price of gas 200. —)

N,N-Dimethylethylamine see 03442 N-Ethyldimethylamine

N,N-Dimethylethylenediamine see 39030 2-Dimethylaminoethylamine

N,N'-Dimethylethylenediamine (sym.) [1,2-Bis(methylamino)ethane]
8/35; 26° CH₃NHCH₂CH₂NHCH₃ C₄H₁₂N₂ M_r 88.15 [110-70-3]

38920		pract. ~90%(GC); B.P. 115-118°; d ₄ ²⁰ 0.818; n _D ²⁰ 1.430; H ₂ O 2-6%	1 lt ≈ 0.82 kg	25 ml 13. —	100 ml 45. —
-------	--	---	----------------	-------------	--------------

03454	Dimethylethylpropylammonium bromide purum >98%(Br); M.P. ~235° dec. (CH ₃) ₂ N(Br)(C ₂ H ₅)CH ₂ CH ₂ CH ₃ C ₇ H ₁₈ BrN M _r 196.14			10 g 20. —	50 g 85. —
-------	---	--	--	------------	------------

Dimethyl ethynyl carbinol see 66120 2-Methyl-3-butyne-2-ol

1,3-Dimethyl-2-fluoropyridinium 4-toluenesulfonate
CH₃N⁺:CHCH:CHC(CH₃)₂:CF₃.O₃SC₆H₄CH₃ C₇H₉FN.C₇H₇O₃S M_r 297.34
[59387-91-6]

40238		purum ~98%(N); M.P. 111-114°; Efficient reagent a) for the preparation of carboxylic acid fluorides: T. Mukaiyama, T. Tanaka, Chem. Lett. 303 (1976); b) for the non-enzymic biogeneticlike cyclization to limonene from acyclic precursors: S. Kobayashi, M. Tsutsui, T. Mukaiyama, Chem. Lett. 1137 (1976); c) for convenient method for oxidation of alcohols with DMSO or hexamethylenetetramine: K. Hojo, T. Mukaiyama, Chem. Lett. 369 (1978)		5 g 34. —	
-------	--	---	--	-----------	--

N,N-Dimethylformamide (DMF)
8/35; 69° HCON(CH₃)₂ C₃H₇NO M_r 73.10 [68-12-2]

40240		for UV-Spectroscopy	1 lt ≈ 0.95 kg	250 ml 10. —	1 lt 32. —
		Fluka-Guarantee: Layer thickness: 1 cm; Reference cell: Water Wave length (nm): 275 280 290 300 310 320 340 Transmittance (%): 32 55 72 83 91 96 >99			



40245		for pesticide residue analysis; Distilled in Glass; Original packaging of Burdick and Jackson Laboratories Inc.	1 quart ≈ 0.95 lt	45. —	
-------	--	---	-------------------	-------	--

40250		puriss. p.a. B.P. 152-154°; d ₄ ²⁰ 0.948; n _D ²⁰ 1.430	1 lt ≈ 0.95 kg	1 lt 16. —	2.5 lt 35. —
		Fluka-Guarantee: Assay (GC) >99.5 % Nickel (Ni) <0.00001% Water (H ₂ O) <0.15 % Iron (Fe) <0.00005% Residue on evaporation <0.003 % Lead (Pb) <0.00005% Copper (Cu) <0.00005% Cadmium (Cd) <0.00005% Cobalt (Co) <0.00001% Zinc (Zn) <0.001 %			



N,N-Dimethylformamide-d₇ (Heptadeutero-N,N-dimethylformamide)
8/35 DCON(CD₃)₂ C₃D₇NO M_r 80.14 [4472-41-7]

51690		purum >99 Atom% D	1 lt ≈ 1.05 kg	1 ml 40. —	10 ml 320. —
-------	--	-------------------	----------------	------------	--------------

40254	N,N-Dimethylformamide diallyl acetal pract. d ₄ ²⁰ 0.897; n _D ²⁰ 1.434 3/3; 44° (CH ₃) ₂ NCH(OCH ₂ CH:CH ₂) ₂ C ₉ H ₁₇ NO ₂ M _r 171.24 [61296-25-1]		1 lt ≈ 0.90 kg	10 ml 14. —	50 ml 60. —
-------	--	--	----------------	-------------	-------------

N,N-Dimethylformamide dibenzyl acetal
(CH₃)₂NCH(OCH₂C₆H₅)₂ C₁₇H₂₁NO₂ M_r 271.36 [2016-04-8]

40260		pract. ~90%(NT); B.P. _{0.} 118-120°; d ₄ ²⁰ 1.045; n _D ²⁰ 1.534; very hygroscopic	1 lt ≈ 1.04 kg	10 ml 30. —	50 ml 125. —
-------	--	---	----------------	-------------	--------------

N,N-Dimethylformamide dibutyl acetal
3/4 (CH₃)₂NCH(OCH₂CH₂CH₂CH₃)₂ C₁₁H₂₅NO₂ M_r 203.33 [18503-90-7]

40262		purum >98%(NT); B.P. ₁₂ 93° (Lit.); d ₄ ²⁰ 0.853; n _D ²⁰ 1.417; Esterification of fatty acids: J. P. Thenot et al., Anal. Letters 217 (1972)	1 lt ≈ 0.85 kg	10 ml 30. —	50 ml 125. —
-------	--	--	----------------	-------------	--------------

N,N-Dimethylformamide di-tert-butyl acetal [see also tert-Butoxy-bis-(dimethylamino)methane]
3/3; 35° (CH₃)₂NCH[OC(CH₃)₃]₂ C₁₁H₂₅NO₂ M_r 203.33 [36805-97-7]

40263		pract. B.P. _{0.} 56-57°; d ₄ ²⁰ 0.848; n _D ²⁰ 1.413	1 lt ≈ 0.85 kg	10 ml 40. —	50 ml 170. —
-------	--	--	----------------	-------------	--------------

sFr.

sFr.

N,N-Dimethylformamide diethyl acetal3/3; 28° (CH₃)₂NCH(OC₂H₅)₂ C₇H₁₇NO₂ M_r 147.22 [1188-33-6]

40252	pract. 90-95% (GC); B.P. 128-130° (Lit.); d ₄ ²⁰ 0.859; n _D ²⁰ 1.400; Esterification of fatty acids: J. P. Thenot et al., Anal. Letters 217 (1972)	1 lt ≈ 0.86 kg	25 ml 26. —	100 ml 95. —
40253	techn.; containing also ~15% N,N-Dimethylformamide dimethyl acetal; d ₄ ²⁰ 0.874; n _D ²⁰ 1.403	1 lt ≈ 0.87 kg	100 ml 40. —	500 ml 170. —

N,N-Dimethylformamide diisopropyl acetal3/3; 25° (CH₃)₂NCH[OCH(CH₃)₂]₂ C₉H₂₁NO₂ M_r 175.27 [18503-89-4]

40264	purum >98% (NT); B.P. ₅₀ 69° (Lit.); d ₄ ²⁰ 0.838; n _D ²⁰ 1.401; store in refrigerator	1 lt ≈ 0.84 kg	10 ml 28. —	50 ml 120. —
-------	---	----------------	-------------	--------------

N,N-Dimethylformamide dimethyl acetal3/1a; 5° (CH₃)₂NCH(OCH₃)₂ C₆H₁₃NO₂ M_r 119.17 [4637-24-5]

40271	pract. 90-95% (NT); B.P. 102-104°; d ₄ ²⁰ 0.894; n _D ²⁰ 1.396; very hygroscopic; store in refrigerator	1 lt ≈ 0.89 kg	25 ml 24. —	100 ml 90. —
-------	--	----------------	-------------	--------------

N,N-Dimethylformamide dineopentyl acetal3/4; 62° (CH₃)₂NCH[OCH₂C(CH₃)₃]₂ C₁₃H₂₉NO₂ M_r 231.38 [4909-78-8]

40281	purum B.P. ₁₀ 85-87°; d ₄ ²⁰ 0.829; n _D ²⁰ 1.412; very hygroscopic	1 lt ≈ 0.83 kg	10 ml 25. —	50 ml 105. —
-------	---	----------------	-------------	--------------

N,N-Dimethylformamide dipropyl acetal3/3; 46° (CH₃)₂NCH(OCH₂CH₂CH₃)₂ C₉H₂₁NO₂ M_r 175.27 [6006-65-1]

40283	purum >97% (NT); d ₄ ²⁰ 0.854; n _D ²⁰ 1.409	1 lt ≈ 0.85 kg	10 ml 25. —	50 ml 105. —
-------	---	----------------	-------------	--------------

N,N-Dimethylformamide ethylene acetal (2-Dimethylamino-1,3-dioxolane)3/3; 38° (CH₃)₂NCHOCH₂CH₂O C₅H₁₁NO₂ M_r 117.14 [19449-26-4]

40251	pract. ~95% (NT) + some Dimethylformamide; B.P. 142-144° (Lit.); d ₄ ²⁰ 1.020; n _D ²⁰ 1.427	1 lt ≈ 1.02 kg	10 ml 22. —	50 ml 90. —
-------	---	----------------	-------------	-------------

N,N-Dimethylformamide trimethylene acetal (2-Dimethylamino-1,3-dioxane)3/4; 55° (CH₃)₂NCHOCH₂CH₂CH₂O C₆H₁₃NO₂ M_r 131.18 [19449-32-2]

40285	pract.	1 lt ≈ 1.01 kg	10 ml 30. —	50 ml 125. —
-------	--------	----------------	-------------	--------------

40290	2,5-Dimethylfuran pract. >97% (GC); B.P. 90-95°; d ₄ ²⁰ 0.899; n _D ²⁰ 1.492	1 lt ≈ 0.90 kg	25 ml 17. —	100 ml 60. —
	3/1a; 7° QC(CH ₃):CHCH:CHCH ₃ C ₆ H ₈ O M _r 96.13 [625-86-5]			

Dimethyl glutarate3/4; 97° CH₃OCO(CH₂)₃COOCH₃ C₇H₁₂O₄ M_r 160.17 [1119-40-0]

49720	purum >97% (GC); B.P. ₁₅ 96-103° (Lit.); d ₄ ²⁰ 1.087; n _D ²⁰ 1.424	1 lt ≈ 1.09 kg	100 ml 22. —	500 ml 90. —
-------	--	----------------	--------------	--------------

40320	2,2-Dimethylglutaric acid purum >98% (T); M.P. 81-83° HOOCCH ₂ CH ₂ HC(CH ₃) ₂ COOH C ₇ H ₁₂ O ₄ M _r 160.17 [681-57-2]		100 g 20. —	500 g 85. —
-------	---	--	-------------	-------------

40330	2,4-Dimethylglutaric acid pract. >98% (T); M.P. 106-108° Mixture of meso- and DL-form HOOCCH(CH ₃)CH ₂ CH(CH ₃)COOH C ₇ H ₁₂ O ₄ M _r 160.17 [2121-67-7]		5 g 10. —	25 g 40. —
-------	--	--	-----------	------------

40340	3,3-Dimethylglutaric acid purum >99% (GC); M.P. 100-102°; Ash <0.05% HOOCCH ₂ C(CH ₃) ₂ CH ₂ COOH C ₇ H ₁₂ O ₄ M _r 160.17 [4839-46-7]		25 g 31. —	100 g 115. —
-------	--	--	------------	--------------

40360	N,N-Dimethylglycine puriss. >99% (NT); M.P. 178-182° [(Dimethylamino)acetic acid] (CH ₃) ₂ NCH ₂ COOH C ₄ H ₉ NO ₂ M _r 103.12 [1118-68-9]		10 g 28. —	50 g 120. —
-------	---	--	------------	-------------

40370	N,N-Dimethylglycine ethyl ester purum 3/3; 32° (CH ₃) ₂ NCH ₂ COOC ₂ H ₅ C ₈ H ₁₃ NO ₂ M _r 131.18 [6456-74-2]	1 lt ≈ 0.93 kg	50 ml 24. —	250 ml 100. —
-------	---	----------------	-------------	---------------

N,N-Dimethylglycine hydrazide monohydrochloride see 48910 Girard Reagent D

40380	N,N-Dimethylglycine hydrochloride puriss. (CH ₃) ₂ NCH ₂ COOH.HCl C ₄ H ₉ NO ₂ .HCl M _r 139.58 [2491-06-7]		10 g 30. —	50 g 125. —
-------	--	--	------------	-------------

N,N-Dimethylglycinonitrile see 38980 (Dimethylamino)acetonitrile**Dimethylglycol** see 38570 1,2-Dimethoxyethane**Dimethylglycol phthalate** [Bis(2-methoxyethyl) phthalate]C₆H₄(COOCH₂CH₂OCH₃)₂ C₁₄H₁₈O₆ M_r 282.30 [117-82-8]

80050	pract. B.P. ₁₀ 230° (Lit.); d ₄ ²⁰ 1.171; n _D ²⁰ 1.503	1 lt ≈ 1.17 kg	1 lt 30. —	
-------	---	----------------	------------	--

Dimethylglyoxime (Diacetyldioxime)CH₃C(:NOH)C(:NOH)CH₃ C₄H₈N₂O₂ M_r 116.12 [95-45-4]

40390	puriss. p.a. ~99% (N); M.P. 241-242° dec.; determination: Ni, Pd, Co (Colorimetric)		100 g 16. —	500 g 67. —
-------	---	--	-------------	-------------

			sFr.	sFr.
	Dimethylglyoxime Disodium salt			
	$\text{CH}_3\text{C}(\text{:NONa})\text{C}(\text{:NONa})\text{CH}_3 \cdot 8\text{H}_2\text{O}$ $\text{C}_4\text{H}_6\text{N}_2\text{Na}_2\text{O}_2 \cdot 8\text{H}_2\text{O}$ M_r 304.21			
40400	puriss. p.a. ~99%(NT); 1 g clearly soluble in 10 ml water; for precipitation of metals		100 g 16. —	500 g 67. —
	1,1-Dimethylguanidine hydrochloride			
	$(\text{CH}_3)_2\text{NC}(\text{:NH})\text{NH}_2 \cdot \text{HCl}$ $\text{C}_3\text{H}_{10}\text{ClN}_3$ M_r 123.59 [1186-46-5]			
40402	purum >98%(Cl); M.P. 145-146°; 1 g clearly soluble in 10 ml water		10 g 13. —	50 g 55. —
40401	1,7-Dimethylguanine purum (2-Amino-1,7-dimethyl-6-hydroxypurine) $\text{C}_7\text{H}_8\text{N}_6\text{O}$ M_r 179.18 [26758-00-9]		250 mg 24. —	1 g 90. —
	N²,9-Dimethylguanine see 67845 9-Methyl-2-methylamino-6(1H)-purinone			
40405	7,9-Dimethylguaninium betain purum ("Herbipolin") $\text{C}_7\text{H}_8\text{N}_6\text{O}$ M_r 179.18 [524-35-6]		250 mg 35. —	1 g 130. —
	2,6-Dimethyl-2,5-heptadien-4-one see 79360 Phorone			
	2,2-Dimethyl-3-heptanol (Butyl tert-butyl carbinol) 3/4; 64° $\text{CH}_3(\text{CH}_2)_3\text{CH}(\text{OH})\text{C}(\text{CH}_3)_3$ $\text{C}_9\text{H}_{20}\text{O}$ M_r 144.26 [51716-29-1]			
40430	purum >98%(GC); B.P. ₁₅ 71° (Lit.); d_4^{20} 0.832; n_D^{20} 1.431		1 lt ≈ 0.83 kg	10 ml 25. — 50 ml 105. —
	2,6-Dimethyl-4-heptanone (Diisobutyl ketone; Isovalerone) 3/3; 49° $(\text{CH}_3)_2\text{CHCH}_2\text{COCH}_2\text{CH}(\text{CH}_3)_2$ $\text{C}_9\text{H}_{18}\text{O}$ M_r 142.24 [108-83-8]			
38190	techn. ~70%(GC); B.P. 165-170°; d_4^{20} 0.809; n_D^{20} 1.415; containing also 2,4-Dimethyl-6-heptanone		1 lt ≈ 0.81 kg	1 lt 18. — 5 lt 75. —
40450	trans 2,2-Dimethyl-3-heptene purum >97%(GC); d_4^{20} 0.718; n_D^{20} 1.411 3/1a; 14° $\text{CH}_3\text{CH}_2\text{CH}_2\text{CH}:\text{CHC}(\text{CH}_3)_3$ C_9H_{18} M_r 126.24 [19550-75-5]		1 lt ≈ 0.72 kg	5 ml 29. —
	2,5-Dimethyl-2,4-hexadiene 3/3; 25° $(\text{CH}_3)_2\text{C}:\text{CHCH}:\text{C}(\text{CH}_3)_2$ C_8H_{14} M_r 110.20 [764-13-6]			
40480	purum ~98%(GC); M.P. 11-14°; B.P. ₂₀ 134-138°; d_4^{20} 0.763; n_D^{20} 1.477		1 lt ≈ 0.76 kg	50 ml 24. — 250 ml 100. —
	2,5-Dimethyl-1,5-hexadiene (Dimethylallyl) 3/1a; 19° $\text{CH}_2:\text{C}(\text{CH}_3)\text{CH}_2\text{CH}_2\text{C}(\text{CH}_3):\text{CH}_2$ C_8H_{14} M_r 110.20 [627-58-7]			
40513	purum >98%(GC); B.P. 114-116°; d_4^{20} 0.742; n_D^{20} 1.429		1 lt ≈ 0.74 kg	10 ml 20. — 50 ml 85. —
	2,2-Dimethylhexane 3/1a; 0° $\text{CH}_3(\text{CH}_2)_3\text{C}(\text{CH}_3)_3$ C_8H_{18} M_r 114.23 [590-73-8]			
40490	purum >99%(GC); B.P. 105-107°; d_4^{20} 0.701; n_D^{20} 1.395		1 lt ≈ 0.70 kg	5 ml 34. —
	2,4-Dimethylhexane 3/1a; 3° $\text{CH}_3\text{CH}_2\text{CH}(\text{CH}_3)\text{CH}_2\text{CH}(\text{CH}_3)_2$ C_8H_{18} M_r 114.23 [589-43-5]			
40500	purum >99%(GC); B.P. 109-111°; d_4^{20} 0.701; n_D^{20} 1.395		1 lt ≈ 0.70 kg	5 ml 34. —
	2,5-Dimethylhexane (Diisobutyl) 3/1a; 2° $(\text{CH}_3)_2\text{CHCH}_2\text{CH}_2\text{CH}(\text{CH}_3)_2$ C_8H_{18} M_r 114.23 [592-13-2]			
40510	purum >99%(GC); B.P. 108-110°; d_4^{20} 0.695; n_D^{20} 1.392		1 lt ≈ 0.70 kg	10 ml 32. — 50 ml 135. —
	N,N'-Dimethyl-1,6-hexanediamine [1,6-Bis(methylamino)hexane; 3/3 N,N'-Dimethyl-1,6-diaminohexane] $\text{CH}_3\text{NH}(\text{CH}_2)_6\text{NHCH}_3$ $\text{C}_8\text{H}_{20}\text{N}_2$ M_r 144.26 [13093-04-4]			
15031	purum >97%(GC); M.P. 14-17°; B.P. 205° (Lit.); d_4^{20} 0.833; n_D^{20} 1.448		1 lt ≈ 0.83 kg	10 ml 50. —
40515	2,2-Dimethyl-1,3-hexanediol purum $\text{CH}_3\text{CH}_2\text{CH}_2\text{CH}(\text{OH})\text{C}(\text{CH}_3)_2\text{CH}_2\text{OH}$ $\text{C}_8\text{H}_{18}\text{O}_2$ M_r 146.23 [22006-96-8]		1 kg 30. —	
40520	2,5-Dimethyl-2,5-hexanediol purum M.P. 87-89° $(\text{CH}_3)_2\text{C}(\text{OH})\text{CH}_2\text{CH}_2\text{C}(\text{OH})(\text{CH}_3)_2$ $\text{C}_8\text{H}_{18}\text{O}_2$ M_r 146.23 [110-03-2]		250 g 22. —	1 kg 80. —
	trans-2,2-Dimethyl-3-hexene 3/1a; -4° $\text{CH}_3\text{CH}_2\text{CH}:\text{CHC}(\text{CH}_3)_3$ C_8H_{16} M_r 112.22 [690-93-7]			
40610	purum >99%(GC); B.P. 101° (Lit.); d_4^{20} 0.706; n_D^{20} 1.406		1 lt ≈ 0.71 kg	5 ml 40. —
	2,3-Dimethyl-1-hexene 3/1a; 2° $\text{CH}_3\text{CH}_2\text{CH}_2\text{CH}(\text{CH}_3)\text{C}(\text{CH}_3):\text{CH}_2$ C_8H_{16} M_r 112.22 [16746-86-4]			
40620	purum >98%(GC); B.P. 110° (Lit.); d_4^{20} 0.723; n_D^{20} 1.411		1 lt ≈ 0.72 kg	5 ml 40. —
	2,5-Dimethyl-2-hexene 3/1a; 6° $(\text{CH}_3)_2\text{CHCH}_2\text{CH}:\text{C}(\text{CH}_3)_2$ C_8H_{16} M_r 112.22 [3404-78-4]			
40630	purum ~97%(GC); B.P. 110-113°; d_4^{20} 0.721; n_D^{20} 1.414		1 lt ≈ 0.72 kg	5 ml 40. —

			sFr.	sFr.
	trans-2,5-Dimethyl-3-hexene			
	3/1a; -2° (CH ₃) ₂ CHCH:CHCH(CH ₃) ₂ C ₈ H ₁₆ M _r 112.22 [692-70-6]			
40640	purum >99%(GC); B.P. 101-104°; d ₄ ²⁰ 0.700; n _D ²⁰ 1.403	1 lt ≈ 0.70 kg	5 ml 40. —	
	N,N-Dimethylhexylamine			
	3/3; 34° CH ₃ (CH ₂) ₄ CH ₂ N(CH ₃) ₂ C ₈ H ₁₉ N M _r 129.25 [4385-04-0]			
40660	purum ~98%(GC); B.P. 146-147°; d ₄ ²⁰ 0.746; n _D ²⁰ 1.414	1 lt ≈ 0.75 kg	10 ml 20. —	50 ml 85. —
	1,5-Dimethylhexylamine see 08470 2-Amino-6-methylheptane			
	2,5-Dimethyl-3-hexyne-2,5-diol ("Tetramethylbutynediol")			
	(CH ₃) ₂ C(OH)C:CC(OH)(CH ₃) ₂ C ₈ H ₁₄ O ₂ M _r 142.20 [142-30-3]			
40650	pract. M.P. 90-94°; 1 g clearly soluble in 10 ml Methanol		100 g 12. —	500 g 50. —
	5,5-Dimethylhydantoin			
	NHCONHCOCH(CH ₃) ₂ C ₅ H ₈ N ₂ O ₂ M _r 128.13 [77-71-4]			
40670	purum >98%(N); M.P. 174-177°; 1 g clearly soluble in 10 ml water		500 g 24. —	
	N,N-Dimethylhydrazine (asym.) anhydrous			
	3/1a; -10° (CH ₃) ₂ NNH ₂ C ₂ H ₆ N ₂ M _r 60.10 [57-14-7]			
40680	purum >97%(NT); B.P. 60-62°; d ₄ ²⁰ 0.79; n _D ²⁰ 1.408; store in refrigerator; Inhalation and contact with skin should be avoided	1 lt ≈ 0.79 kg	100 ml 30. —	500 ml 90. —
	N,N'-Dimethylhydrazine dihydrochloride (sym.)			
	CH ₃ NHNHCH ₃ ·2HCl C ₂ H ₈ N ₂ ·2HCl M _r 133.02 [306-37-6]			
40690	puriss. >99%(Cl); M.P. ~168° dec.; Mutagen, used for the experimental induction of colon cancers: J. P. Cruse et al., Nature 276, 822 (1978)		10 g 32. —	50 g 135. —
	D(—)- and DL-3,3-Dimethyl-2-hydroxy-γ-butyrolactone see 55200 and 55201			
	D(—)- and DL-2-Hydroxy-3,3-dimethyl-γ-butyrolactone			
	N,N-Dimethyl-2-hydroxyethylamine see 38990 2-Dimethylaminoethanol			
	3,4-Dimethyl-5-(2-hydroxyethyl)thiazolium iodide			
	SCH:N(I)(CH ₃)C:(CH ₃)CCH ₂ CH ₂ OH C ₇ H ₁₂ INOS M _r 285.15 [16311-69-6]			
40697	purum >98%(I); M.P. 86-88°; Catalyst for the addition of aromatic and heterocyclic aldehydes to α,β-unsaturated ketones. Synthesis of tri- and polyketones: H. Stetter et al., Chem. Ber. 110, 1007 (1977); H. Stetter, J. Krasselt, J. Heterocycl. Chem. 14, 573 (1977); preparation of unsymmetrical acyloins and α-diketones: H. Stetter, G. Dämbkes, Synthesis 403 (1977); Review: H. Stetter, Angew. Chem. 88, 695 (1976)		10 g 18. —	50 g 75. —
	2,4-Dimethyl-3-hydroxy-5-hydroxymethylpyridine hydrochloride			
	see 31120 4-Deoxypyridoxine hydrochloride			
	2,2-Dimethyl-4-hydroxymethyl-1,3-dioxolane (α,β-Isopropylidene glycerol; Solketal)			
	(CH ₃) ₂ C=OCH(CH ₂ OH)CH ₂ O C ₆ H ₁₂ O ₃ M _r 132.16 [100-79-8]			
40705	purum >97%(GC); B.P. 188-191°; d ₄ ²⁰ 1.067; n _D ²⁰ 1.435	1 lt ≈ 1.07 kg	250 ml 17. —	1 lt 60. —
	Dimethyl(2-hydroxy-5-nitrobenzyl)sulfonium bromide			
	NO ₂ C ₆ H ₃ (OH)CH ₂ S(Br)(CH ₃) ₂ C ₉ H ₁₂ BrNO ₃ S M _r 294.17 [28611-73-6]			
40708	puriss. biochim. >98%(Br); M.P. 170-172° dec.; Water-soluble, analog of Koshland-reagent I; H. R. Horton, W. P. Tucker, J. Biol. Chem. 245, 3397 (1970)		1 g 13. —	5 g 55. —
40726	1,2-Dimethylimidazole pract. >95%(NT); B.P. 205-206° (Lit.); store in refrigerator		100 g 12. —	500 g 50. —
	CH ₃ NCH:CHN:CHCH ₃ C ₅ H ₈ N ₂ M _r 96.13 [1739-84-0]			
	2,2-Dimethyl-1-iodopropane (Neopentyl iodide)			
	(CH ₃) ₃ CCH ₂ I C ₅ H ₁₁ I M _r 198.05 [15501-33-4]			
40728	purum >97%(GC); B.P. 30-42-43°; d ₄ ²⁰ 1.493; n _D ²⁰ 1.489; c over silver wool	1 lt ≈ 1.50 kg	5 ml 26. —	25 ml 110. —
	2,2-Dimethyl-3-(1-isobutenyl)cyclopropane-1-carboxylic acid ethyl ester see 27190 Ethyl chrysanthemate			
	Dimethyl isophthalate			
	C ₆ H ₄ (COOCH ₃) ₂ C ₁₀ H ₁₀ O ₄ M _r 194.19 [1459-93-4]			
59220	purum M.P. 64-68°; 1 g clearly and colourless soluble in 10 ml Dioxane		250 g 10. —	1 kg 35. —
	N,N-Dimethylisopropanolamine see 39300 1-Dimethylamino-2-propanol			
	1,4-Dimethyl-7-isopropylazulene see 50890 Guaiazulene			
	2,2-Dimethyl-5-isopropylidene-1,3-dioxane-4,6-dione see 59537			
	cycl-Isopropylidene isopropylidenemalonate			

			sFr.	sFr.
	Dimethyl maleate			
63250	3/4; 95° $\text{CH}_3\text{OCOCH:CHCOOCH}_3$ $\text{C}_6\text{H}_8\text{O}_4$ M_r 144.13 [624-49-7] pract. ~95% (GC); 4-5% Dimethyl fumarate; B.P. 86-89°; d_4^{20} 1.15; n_D^{20} 1.442	1 lt ≈ 1.15 kg	250 ml 10. —	1 lt 35. —
40750	Dimethylmaleic anhydride purum ~97% (T); M.P. 93-95°; free acid <0.2% $\text{O}\underline{\text{C}}\text{C}(\text{CH}_3)\text{:C}(\text{CH}_3)\underline{\text{CO}}$ $\text{C}_6\text{H}_6\text{O}_3$ M_r 126.11 [766-39-2]		5 g 26. —	25 g 110. —
63380	Dimethyl malonate purum ~99% (GC); d_4^{20} 1.153; n_D^{20} 1.413 3/4; 85° $\text{CH}_2(\text{COOCH}_3)_2$ $\text{C}_8\text{H}_{10}\text{O}_4$ M_r 132.12 [108-59-8]	1 lt ≈ 1.15 kg	250 ml 10. —	1 lt 35. —
40760	Dimethylmalonic acid purum >98% (GC); M.P. 180-190°; Ash <0.05% $(\text{CH}_3)_2\text{C}(\text{COOH})_2$ $\text{C}_6\text{H}_8\text{O}_4$ M_r 132.12 [595-46-0]		10 g 12. —	50 g 50. —
	4,6-Dimethyl-2-mercaptopyrimidine (4,6-Dimethyl-2-pyrimidinethiol) $\text{N:C}(\text{CH}_3)\text{CH:C}(\text{CH}_3)\text{N:}\underline{\text{C}}\text{SH}$ $\text{C}_6\text{H}_8\text{N}_2\text{S}$ M_r 140.21 [22325-27-5]			
40761	purum >97% (Cl); M.P. ~220° dec.		10 g 16. —	50 g 67. —
65095	Dimethyl methoxymethylenemalonate pract. $\text{CH}_3\text{OCH:C}(\text{COOCH}_3)_2$ $\text{C}_7\text{H}_{10}\text{O}_5$ M_r 174.15 [22398-14-7]		50 g 20. —	250 g 85. —
	Dimethyl(2-methoxy-5-nitrobenzyl)sulfonium bromide $\text{NO}_2\text{C}_6\text{H}_3(\text{OCH}_3)\text{CH}_2\text{S}(\text{Br})(\text{CH}_3)_2$ $\text{C}_{10}\text{H}_{14}\text{BrNO}_3\text{S}$ M_r 308.20			
40763	puriss. biochim. >99% (Br); M.P. ~140° dec.; Water-soluble analog of Koshland-reagent II; H. R. Horton, W. P. Tucker, J. Biol. Chem. 245, 3397 (1970)		1 g 18. —	5 g 75. —
	N,N-Dimethylmethyleimmonium chloride (Eschenmoser's salt) $\text{CH}_2\text{:N}(\text{Cl})(\text{CH}_3)_2$ $\text{C}_3\text{H}_8\text{ClN}$ M_r 93.55 [30354-18-8]			
40766	purum >98% (Cl); M.P. ~122° dec.; very hygroscopic; "Mannich-reagent" for direct use; higher yields of purer products were achieved in shorter times compared with the classical "Mannich reaction": H. Böhme, Angew. Chem. 88, 772 (1976) and literature cited therein; L.-F. Tietze, ibid. 88, 772 (1976); G. Kinast, L.-F. Tietze, ibid. 88, 261 (1976), Int. Ed. 15, 239 (1976)		5 g 21. —	25 g 70. —
	1,2-Dimethylnaphthalene $\text{C}_{10}\text{H}_6(\text{CH}_3)_2$ $\text{C}_{12}\text{H}_{12}$ M_r 156.23 [573-98-8]			
40778	pract. 90-95% (GC); M.P. -5--2°; B.P. 268-270°; d_4^{20} 1.018; n_D^{20} 1.616	1 lt ≈ 1.02 kg	10 ml 35. —	
	1,3-Dimethylnaphthalene $\text{C}_{10}\text{H}_6(\text{CH}_3)_2$ $\text{C}_{12}\text{H}_{12}$ M_r 156.23 [575-41-7]			
40780	purum ~98% (GC); M.P. -6--3°; B.P. 107° (Lit.); d_4^{20} 1.006; n_D^{20} 1.609	1 lt ≈ 1.01 kg	5 ml 40. —	
	1,4-Dimethylnaphthalene $\text{C}_{10}\text{H}_6(\text{CH}_3)_2$ $\text{C}_{12}\text{H}_{12}$ M_r 156.23 [571-58-4]			
40790	purum ~97% (GC); B.P. 262-264° (Lit.); d_4^{20} 1.016; n_D^{20} 1.673	1 lt ≈ 1.02 kg	5 ml 32. —	
40800	1,5-Dimethylnaphthalene purum >97% (GC); M.P. 78-80° $\text{C}_{10}\text{H}_6(\text{CH}_3)_2$ $\text{C}_{12}\text{H}_{12}$ M_r 156.23 [571-61-9]		1 g 60. —	5 g 250. —
	1,6-Dimethylnaphthalene $\text{C}_{10}\text{H}_6(\text{CH}_3)_2$ $\text{C}_{12}\text{H}_{12}$ M_r 156.23 [575-43-9]			
40808	purum >98% (GC); B.P. 263-264°; d_4^{20} 1.001; n_D^{20} 1.608	1 lt ≈ 1.00 kg	1 ml 30. —	5 ml 125. —
40830	2,3-Dimethylnaphthalene purum >97% (GC); M.P. 103-104° $\text{C}_{10}\text{H}_6(\text{CH}_3)_2$ $\text{C}_{12}\text{H}_{12}$ M_r 156.23 [581-40-8]		100 g 25. —	500 g 105. —
40835	2,6-Dimethylnaphthalene purum >98% (GC); M.P. 109-111° $\text{C}_{10}\text{H}_6(\text{CH}_3)_2$ $\text{C}_{12}\text{H}_{12}$ M_r 156.23 [581-42-0]		50 g 13. —	250 g 55. —
70230	Dimethyl naphthalene-2,6-dicarboxylate pract. M.P. 184-188° $\text{C}_{10}\text{H}_6(\text{COOCH}_3)_2$ $\text{C}_{14}\text{H}_{12}\text{O}_4$ M_r 244.25 [840-65-3]		10 g 18. —	50 g 75. —
	3,3'-Dimethylnaphthidine (4,4'-Diamino-3,3'-dimethyl-1,1'-binaphthyl) $(3\text{-CH}_3\text{-4-NH}_2\text{C}_{10}\text{H}_5\text{-1-})_2$ $\text{C}_{22}\text{H}_{20}\text{N}_2$ M_r 312.42 [13138-48-2]			
40850	p.a. M.P. 230-234°; Redox-Indicator for Complexometry; 1 g clearly soluble in 20 ml Dioxane; G. Schwarzenbach, "Die komplexometrische Titration", 46 (1957)		1 g 28. —	5 g 120. —
	N,N-Dimethyl-1-naphthylamine (1-Dimethylaminonaphthalene) 6.1/21g $\text{C}_{10}\text{H}_7\text{N}(\text{CH}_3)_2$ $\text{C}_{12}\text{H}_{13}\text{N}$ M_r 171.24 [86-56-6]			
40860	purum >98% (GC); B.P. 130-132° (Lit.); d_4^{20} 1.041; n_D^{20} 1.622	1 lt ≈ 1.04 kg	10 ml 13. —	50 ml 55. —

				sFr.	sFr.
40880	2,4-Dimethylnitrobenzene (4-Nitro-m-xylene) 6.1/21 (CH ₃) ₂ C ₆ H ₃ NO ₂ C ₈ H ₉ NO ₂ M _r 151.17 [89-87-2] purum >99%(GC); M.P. 7-9°; B.P. 243-244° (Lit.); d ₄ ²⁰ 1.131; n _D ²⁰ 1.550		1 lt ≈ 1.13 kg	100 ml 20. —	
40900	2,6-Dimethylnitrobenzene (2-Nitro-m-xylene) 6.1/21 (CH ₃) ₂ C ₆ H ₃ NO ₂ C ₈ H ₉ NO ₂ M _r 151.17 [81-20-9] purum >98%(GC); M.P. 14-16°; B.P. 222-224°; d ₄ ²⁰ 1.107; n _D ²⁰ 1.521		1 lt ≈ 1.11 kg	250 ml 23. —	
40910	3,4-Dimethylnitrobenzene (4-Nitro-o-xylene) 6.1/21 (CH ₃) ₂ C ₆ H ₃ NO ₂ C ₈ H ₉ NO ₂ M _r 151.17 [99-51-4] purum >99%(GC); M.P. 27-30°; B.P. 255-257°			250 g 33. —	
	N,N-Dimethyl-4-nitrosoaniline see 73880 4-Nitroso-N,N-dimethylaniline				
38250	2,8-Dimethyl-5-nonanone (Diisopentyl ketone; Isocaprone) 3/4; 77° (CH ₃) ₂ CHCH ₂ CH ₂ COCH ₂ CH ₂ CH(CH ₃) ₂ C ₁₁ H ₂₂ O M _r 170.30 [2050-99-9] purum >97%(GC); d ₄ ²⁰ 0.82; n _D ²⁰ 1.426		1 lt ≈ 0.82 kg	100 ml 50. —	
	3,7-Dimethyl-2,8-octadienal see 27450 Citral (cis + trans)				
	(S)-3,7-Dimethyl-1,6-octadiene see 27475 (+)-β-Citronellene				
40960	(+)-5,7-Dimethyl-1,6-octadiene (Isocitronellene) CH ₂ :CHCH ₂ CH ₂ CH(CH ₃)CH:C(CH ₃) ₂ C ₁₀ H ₁₈ M _r 138.26 [6874-43-7] puriss. >99.5%(GC); B.P. 151-153°; d ₄ ²⁰ 0.752; n _D ²⁰ 1.435; [α] _D ²⁰ + 11.8±0.2°; [α] _D ²⁰ + 10.0±0.2°		1 lt ≈ 0.75 kg	5 ml 40. —	
	trans-3,7-Dimethyl-2,6-octadien-1-ol see 48798 Geraniol				
	cis-3,7-Dimethyl-2,6-octadien-1-ol see 72170 Nerol				
	3,7-Dimethyl-1,6-octadien-3-ol see 62140 (±)-Linalool				
40970	2,7-Dimethyl-3,5-octadiyne-2,7-diol purum M.P. 129-132° HOC(CH ₃) ₂ C≡CC≡CC(CH ₃) ₂ OH C ₁₀ H ₁₄ O ₂ M _r 166.20 [5929-72-6]			50 g 26. —	
	R(-)-2,6-Dimethyloctane see 87353 (-)-Tetrahydrocitronellene				
41011	3,7-Dimethyl-1-octanol 3/4; 97° (CH ₃) ₂ CH(CH ₂) ₃ CH(CH ₃)CH ₂ CH ₂ OH C ₁₀ H ₂₂ O M _r 158.29 [106-21-8] purum >98%(GC); B.P. 98-99° (Lit.); d ₄ ²⁰ 0.823; n _D ²⁰ 1.435		1 lt ≈ 0.82 kg	10 ml 28. —	
05700	trans,trans-2,6-Dimethyl-2,4,6-octatriene (Alloocimen) (CH ₃) ₂ C:CHCH:CHC(CH ₃):CHCH ₃ C ₁₀ H ₁₆ M _r 136.24 [673-84-7] techn. ~80%(GC); B.P. 188-198°; d ₄ ²⁰ 0.812; n _D ²⁰ 1.538		1 lt ≈ 0.81 kg	250 ml 7. —	1 lt 18. —
	trans,cis-2,6-Dimethyl-2,4,6-octatriene see 05708 neo-Alloocimen				
	(R)-3,7-Dimethyl-6-octenal see 27470 (+)-Citronellal				
40980	3,7-Dimethyl-1-octene 3/3; 52° (CH ₃) ₂ CHCH ₂ CH ₂ CH ₂ CH(CH ₃)CH:CH ₂ C ₁₀ H ₂₀ M _r 140.27 [4984-01-4] purum >99%(GC); B.P. 154-156°; d ₄ ²⁰ 0.733; n _D ²⁰ 1.417		1 lt ≈ 0.73 kg	5 ml 32. —	
	(±)- and (S)-3,7-Dimethyl-6-octen-1-ol see 27480 and 27483 (±)- and S(-)-β-Citronellol				
75752	Dimethyl oxalate purum >99%(GC); M.P. 50-53° 55° CH ₃ OCOCOOCH ₃ C ₄ H ₆ O ₄ M _r 118.09 [553-90-2]			250 g 16. —	1 kg 55. —
41030	4,4-Dimethyloxazolidine-2-thione (CH ₃) ₂ CCH ₂ OCSNH C ₅ H ₉ NOS M _r 131.20 [54013-55-7] purum >98%(C,H,N-Analysis); M.P. 122-124°; Starting material for the synthesis of achiral thiiranes: A. I. Meyers, M. E. Ford, J. Org. Chem. 41, 1735 (1976)			10 g 28. —	50 g 120. —
75808	Dimethyl 3-oxoadipate purum >99%(GC); d ₄ ²⁰ 1.173; n _D ²⁰ 1.445 CH ₃ OCOCH ₂ COCH ₂ CH ₂ COOCH ₃ C ₈ H ₁₂ O ₆ M _r 188.18 [5457-44-3]		1 lt ≈ 1.17 kg	1 ml 65. —	5 ml 275. —
41035	N-(1,1-Dimethyl-3-oxobutyl)acrylamide purum M.P. 52-56° (Diacetone acrylamide) CH ₂ :CHCONHC(CH ₃) ₂ CH ₂ COCH ₃ C ₉ H ₁₅ NO ₂ M _r 169.23 [2873-97-4]			50 g 20. —	250 g 85. —
	Dimethyl 3-oxoglutarate see 00640 Dimethyl 1,3-acetonedicarboxylate				
	4,4-Dimethyl-3-oxopentanoic acid ethyl ester see 80940 Ethyl pivaloylacetate				
	2,2-Dimethyl-5-oxo-tetrahydro-3-furane carboxylic acid see 86400 Terebic acid				
	4,4-Dimethyl-3-oxovaleraldehyde see 80935 Pivaloylacetaldehyde				

			sFr.	sFr.
	2,4-Dimethyl-1,3-pentadiene			
	3/1a; -4° (CH ₃) ₂ C:CHC(CH ₃):CH ₂ C ₇ H ₁₂ M _r 96.17 [1000-86-8]			
41040	purum >97%(GC); B.P. 91-93°; d ₄ ²⁰ 0.74; n _D ²⁰ 1.442		1 lt ≈ 0.74 kg	5 ml 24. — 25 ml 100. —
	2,2-Dimethylpentane			
	3/1a; -9° CH ₃ CH ₂ CH ₂ C(CH ₃) ₃ C ₇ H ₁₆ M _r 100.21 [590-35-2]			
41060	purum >99%(GC); B.P. 79° (Lit.); d ₄ ²⁰ 0.673; n _D ²⁰ 1.383		1 lt ≈ 0.67 kg	5 ml 21. — 25 ml 90. —
	2,4-Dimethylpentane			
	3/1a; -7° (CH ₃) ₂ CHCH ₂ CH(CH ₃) ₂ C ₇ H ₁₆ M _r 100.21 [108-08-7]			
41090	puriss. Standard for GC; >99.5%(GC); B.P. 81-83°; d ₄ ²⁰ 0.673; n _D ²⁰ 1.381		1 lt ≈ 0.67 kg	5 ml 35. —
41120	3,3-Dimethylpentane purum >98%(GC); B.P. 83-87°; d ₄ ²⁰ 0.693; n _D ²⁰ 1.392		1 lt ≈ 0.69 kg	5 ml 32. — 25 ml 135. —
	3/1a; -7° CH ₃ CH ₂ C(CH ₃) ₂ CH ₂ CH ₃ C ₇ H ₁₆ M _r 100.21 [562-49-2]			
	2,2-Dimethyl-3-pentanol (tert-Butyl ethyl carbinol)			
	3/4; 38° CH ₃ CH ₂ CH(OH)C(CH ₃) ₃ C ₇ H ₁₆ O M _r 116.20 [3970-62-5]			
41130	purum >99%(GC); B.P. 135-137°; d ₄ ²⁰ 0.825; n _D ²⁰ 1.423		1 lt ≈ 0.82 kg	5 ml 20. — 25 ml 85. —
	2,4-Dimethyl-3-pentanone (Diisopropyl ketone; Isobutyronone)			
	3/1a; 15° (CH ₃) ₂ CHCOCH(CH ₃) ₂ C ₇ H ₁₄ O M _r 114.19 [565-80-0]			
38420	purum >97%(GC); B.P. 122-124°; d ₄ ²⁰ 0.801; n _D ²⁰ 1.400		1 lt ≈ 0.80 kg	100 ml 12. — 500 ml 50. —
38430	pract. ~95%(GC); B.P. 124-126°; d ₄ ²⁰ 0.805; n _D ²⁰ 1.400; 1-3% Ethylisopropylketone		1 lt ≈ 0.80 kg	1 lt 25. — 2.5 lt 55. —
	2,3-Dimethyl-1-pentene			
	3/1a; -17° CH ₃ CH ₂ CH(CH ₃)C(CH ₃):CH ₂ C ₇ H ₁₄ M _r 98.19 [3404-72-6]			
41220	purum >98%(GC); B.P. 85° (Lit.); d ₄ ²⁰ 0.707; n _D ²⁰ 1.403		1 lt ≈ 0.71 kg	5 ml 60. —
	2,4-Dimethyl-1-pentene			
	3/1a; -16° (CH ₃) ₂ CHCH ₂ C(CH ₃):CH ₂ C ₇ H ₁₄ M _r 98.19 [2213-32-3]			
41240	purum >98%(GC); B.P. 80-82°; d ₄ ²⁰ 0.694; n _D ²⁰ 1.398		1 lt ≈ 0.69 kg	5 ml 26. —
	4,4-Dimethyl-1-pentene			
	3/1a; -12° CH ₂ :CHCH ₂ C(CH ₃) ₃ C ₇ H ₁₄ M _r 98.19 [762-62-9]			
41210	purum >99%(GC); B.P. 70-72°; d ₄ ²⁰ 0.682; n _D ²⁰ 1.392		1 lt ≈ 0.68 kg	5 ml 40. —
	2,3-Dimethyl-2-pentene			
	3/1a; -4° CH ₃ CH ₂ C(CH ₃):C(CH ₃) ₂ C ₇ H ₁₄ M _r 98.19 [10574-37-5]			
41230	purum >98%(GC); B.P. 95-98°; d ₄ ²⁰ 0.727; n _D ²⁰ 1.421		1 lt ≈ 0.73 kg	5 ml 40. —
	2,4-Dimethyl-2-pentene			
	3/1a; -4° (CH ₃) ₂ CHCH:C(CH ₃) ₂ C ₇ H ₁₄ M _r 98.19 [625-65-0]			
41250	purum >99%(GC); B.P. 81-83°; d ₄ ²⁰ 0.696; n _D ²⁰ 1.403		1 lt ≈ 0.70 kg	5 ml 26. —
	cis-4,4-Dimethyl-2-pentene			
	3/1a; -11° CH ₃ CH:CHC(CH ₃) ₃ C ₇ H ₁₄ M _r 98.19 [762-63-0]			
41180	purum >99%(GC); B.P. 77-80°; d ₄ ²⁰ 0.699; n _D ²⁰ 1.402		1 lt ≈ 0.70 kg	5 ml 40. —
	trans-4,4-Dimethyl-2-pentene			
	3/1a; -11° CH ₃ CH:CHC(CH ₃) ₃ C ₇ H ₁₄ M _r 98.19 [690-08-4]			
41190	purum >99%(GC); B.P. 76-78°; d ₄ ²⁰ 0.688; n _D ²⁰ 1.398		1 lt ≈ 0.69 kg	5 ml 40. —
	4,4-Dimethyl-2-pentene (cis + trans)			
	3/1a; -12° CH ₃ CH:CHC(CH ₃) ₂ C ₇ H ₁₄ M _r 98.19 [26232-98-4]			
41200	purum >99%(GC); B.P. 76° (Lit.); d ₄ ²⁰ 0.693; n _D ²⁰ 1.401		1 lt ≈ 0.69 kg	5 ml 37. —
	1,2-Dimethylpentyl alcohol see 67400 3-Methyl-2-hexanol			
	1,4-Dimethylpentylamine see 08490 5-Amino-2-methylhexane			
	2,9-Dimethyl-1,10-phenanthroline see 72080 Neocuproine			
	5,6-Dimethyl-1,10-phenanthroline			
	C ₁₄ H ₁₂ N ₂ M _r 208.26 [3002-81-1]			
41280	p.a. M.P. 266-269°; for colorimetric determination of Fe		250 mg 35. —	1 g 130. —
	2,9-Dimethyl-1,10-phenanthroline hydrochloride see 72090 Neocuproine hydrochloride			
	2,3-Dimethylphenol (3-Hydroxy-o-xylene; vic.-o-Xylenol)			
	6.1/22 (CH ₃) ₂ C ₆ H ₃ OH C ₈ H ₁₀ O M _r 122.17 [526-75-0]			
41300	purum >97%(GC); M.P. 70-73°		100 g 10. —	500 g 42. —

				sFr.	sFr.
	2,4-Dimethylphenol (4-Hydroxy-m-xylene; asym.-m-Xylenol)				
	6.1/22	(CH ₃) ₂ C ₆ H ₃ OH C ₈ H ₁₀ O M _r 122.17 [105-67-9]			
41310		pract. 90-95% (GC); contains also 5-10% 2,5-Dimethylphenol; B.P. 210-212°; d ₄ ²⁰ 1.018; n _D ²⁰ 1.539	1 lt ≈ 1.02 kg	500 ml 13. —	1 lt 25. —
	2,5-Dimethylphenol purum >97% (GC); M.P. 72-76° (2-Hydroxy-p-xylene; p-Xylenol)				
41330	6.1/22	(CH ₃) ₂ C ₆ H ₃ OH C ₈ H ₁₀ O M _r 122.17 [95-87-4]		100 g 13. —	500 g 55. —
	2,6-Dimethylphenol (2-Hydroxy-m-xylene; vic.-m-Xylenol)				
	6.1/22	(CH ₃) ₂ C ₆ H ₃ OH C ₈ H ₁₀ O M _r 122.17 [576-26-1]			
41350		pract. ~97% (GC); M.P. 42-44°		250 g 14. —	1 kg 38. —
	3,4-Dimethylphenol (4-Hydroxy-o-xylene; asym.-o-Xylenol)				
	6.1/22	(CH ₃) ₂ C ₆ H ₃ OH C ₈ H ₁₀ O M _r 122.17 [95-65-8]			
41360		purum >98% (GC); M.P. 63-66°		100 g 16. —	500 g 67. —
41361		pract. >97% (GC); M.P. 63-65°		250 g 22. —	1 kg 80. —
	3,5-Dimethylphenol (5-Hydroxy-m-xylene; sym.-m-Xylenol)				
	6.1/22	(CH ₃) ₂ C ₆ H ₃ OH C ₈ H ₁₀ O M _r 122.17 [108-68-9]			
41380		purum >98% (NT); M.P. 61-64°		250 g 20. —	1 kg 70. —
	Dimethyl phenyl carbinol see 78940 2-Phenyl-2-propanol				
	N,N-Dimethyl-p-phenylenediamine see 07750 4-Amino-N,N-dimethylaniline				
	4,5-Dimethyl-o-phenylenediamine (4,5-Diamino-o-xylene)				
	8/35	(CH ₃) ₂ C ₆ H ₂ (NH ₂) ₂ C ₈ H ₁₂ N ₂ M _r 136.20 [3171-45-7]			
41410		purum >98% (NT); M.P. 125-127°		25 g 20. —	100 g 70. —
	N,N-Dimethyl-p-phenylenediamine dihydrochloride see 07770 4-Amino-N,N-dimethylaniline dihydrochloride				
	1,1-Dimethyl-2-phenylethyl alcohol see 68710 2-Methyl-1-phenyl-2-propanol				
41413		2,6-Dimethylphenyl isocyanide purum M.P. 71-74° (vic.-m-Xylyl isocyanide)		5 g 29. —	25 g 120. —
	6.1/21	(CH ₃) ₂ C ₆ H ₃ NC C ₉ H ₉ N M _r 131.18 [2769-71-3]			
	Dimethylphenylphosphine				
	6.1/81a	(CH ₃) ₂ PC ₆ H ₅ C ₈ H ₁₁ P M _r 138.15 [672-66-2]			
41415		purum B.P. 133-134° (Lit.); d ₄ ²⁰ 0.968; n _D ²⁰ 1.563; very poisonous, hygroscopic	Ampoule of 5 ml (under Argon)	75. —	
41420		1,1-Dimethyl-4-phenyl-piperazinium iodide puriss. >99% (I); M.P. 235-236° (CH ₃) ₂ N(I)CH ₂ CH ₂ N(C ₆ H ₅)CH ₂ CH ₂ C ₁₂ H ₁₉ IN ₂ M _r 318.20 [54-77-3]		1 g 14. —	5 g 37. —
	2,3-Dimethyl-1-phenyl-3-pyrazolin-5-one see 10790 Antipyrine				
	Dimethylphenylsilane				
	3/3; 38°	(CH ₃) ₂ SiHC ₆ H ₅ C ₈ H ₁₂ Si M _r 136.27 [766-77-8]			
41418		purum >98% (GC); B.P. 157-159°; d ₄ ²⁰ 0.876; n _D ²⁰ 1.499	1 lt ≈ 0.88 kg	10 ml 16. —	50 ml 67. —
41421		3,3-Dimethyl-1-phenyltriazene purum (Benzenediazodimethylamide) C ₆ H ₅ N:NN(CH ₃) ₂ C ₈ H ₁₁ N ₃ M _r 149.20 [7227-91-0]	1 lt ≈ 1.03 kg	5 ml 29. —	25 ml 120. —
	Dimethyl phosphite				
	6.1/81a	(CH ₃ O) ₂ POH C ₂ H ₇ O ₃ P M _r 110.05 [868-85-9]			
41430		purum >98% (GC); B.P. 171-172°; d ₄ ²⁰ 1.201; n _D ²⁰ 1.402	1 lt ≈ 1.20 kg	250 ml 14. —	1 lt 50. —
79625		N,N-Dimethylphosphoramidic dichloride purum (DMPADC) (CH ₃) ₂ NP(O)Cl ₂ C ₂ H ₆ Cl ₂ NOP M _r 161.96 [677-43-0]	1 lt ≈ 1.36 kg	10 ml 15. —	50 ml 63. —
	Dimethyl phthalate				
		C ₆ H ₄ (COOCH ₃) ₂ C ₁₀ H ₁₀ O ₄ M _r 194.19 [131-11-3]			
80140		purum ~99% (GC); B.P. 151-152°; d ₄ ²⁰ 1.190; n _D ²⁰ 1.515	1 lt ≈ 1.19 kg	1 lt 18. —	2.5 lt 40. —
	Dimethyl pimelinediimide dihydrochloride				
		[CH ₃ OC(=NH)CH ₂ CH ₂] ₂ CH ₂ ·2HCl C ₉ H ₂₀ Cl ₂ N ₂ O ₂ M _r 259.18 [58537-94-3]			
80490		puriss. biochim. ~99% (Cl); M.P. 122° dec.; store in refrigerator; Cross-linking reagent for the modification of proteins via amidation: G. E. Davies, J. G. Kaplan, Can. J. Biochem. 50, 416 (1972)		5 g 32. —	25 g 135. —
41440		1,4-Dimethylpiperazine purum >98% (GC); d ₄ ²⁰ 0.851; n _D ²⁰ 1.447 3/3; 23° CH ₃ NCH ₂ CH ₂ N(CH ₃)CH ₂ CH ₂ C ₆ H ₁₄ N ₂ M _r 114.19 [106-58-1]	1 lt ≈ 0.85 kg	100 ml 16. —	500 ml 67. —
41460		2,5-Dimethylpiperazine (cis + trans) pract. M.P. 104-107° 4.1/11 NHCH(CH ₃)CH ₂ NHCH(CH ₃)CH ₂ C ₆ H ₁₄ N ₂ M _r 114.19 [106-55-8]		50 g 12. —	250 g 50. —

				sFr.	sFr.
	2,6-Dimethylpiperidine (2,6-Lupetidine)				
	3/5; 16°	$\text{NHCH}(\text{CH}_3)(\text{CH}_2)_3\text{CHCH}_3$ $\text{C}_7\text{H}_{15}\text{N}$ M_r 113.20 [504-03-0]			
41470		purum >97%(GC); B.P. 126-129°; d_4^{20} 0.822; n_D^{20} 1.440	1 lt $\approx$ 0.82 kg	100 ml 11. —	500 ml 46. —
41475	3,3-Dimethylpiperidine pract.				
	3/3; 25°	$\text{CH}_2\text{NH}(\text{CH}_2)_3\text{C}(\text{CH}_3)_2$ $\text{C}_7\text{H}_{15}\text{N}$ M_r 113.20 [1193-12-0]	1 lt $\approx$ 0.84 kg	50 ml 29. —	250 ml 120. —
	Dimethyl-POPOP see 15080 1,4-Bis[2-(4-methyl-5-phenyl)oxazolyl]benzene				
	2,2-Dimethylpropane (Neopentane; Tetramethylmethane)				
	2/3b; -7°	$\text{C}(\text{CH}_3)_4$ C_5H_{12} M_r 72.15 [463-82-1]			
41499		purum	1 lt $\approx$ 0.59 kg	Ampoule of 100 ml	50. —
41501	2/11b; -7°	purum	Pressure tin with 250 ml, net $\sim$ 145 g	250 ml 105. — (Reg. valve 83547)	
41502		purum	Cyl. with 3.8 lt, net $\sim$ 2.7 kg	900. —	
	N,N-Dimethyl-1,3-propanediamine see 39380 3-Dimethylamino-1-propylamine				
	2,2-Dimethyl-1,3-propanediol (Neopentylglycol)				
		$(\text{CH}_3)_2\text{C}(\text{CH}_2\text{OH})_2$ $\text{C}_5\text{H}_{12}\text{O}_2$ M_r 104.15 [126-30-7]			
41510		purum >98%(GC); M.P. 126-128°; Review: B. Cornils, H. Fichtinger, Chemiker Ztg. 100, 504-514 (1976)		1 kg 15. —	5 kg 63. —
	2,2-Dimethyl-1-propanol (tert-Butyl carbinol; Neopentyl alcohol)				
	4.1/11	$(\text{CH}_3)_3\text{CCH}_2\text{OH}$ $\text{C}_5\text{H}_{12}\text{O}$ M_r 88.15 [75-84-3]			
41520		purum >98%(GC); M.P. 49-52°		50 g 18. —	250 g 75. —
	N,N-Dimethylpropargylamine see 39330 3-Dimethylamino-1-propyne				
	2,2-Dimethylpropionic acid see 80880 Pivalic acid				
	2,2-Dimethylpropiophenone (tert-Butyl phenyl ketone; Pivalophenone)				
		$\text{C}_6\text{H}_5\text{COC}(\text{CH}_3)_3$ $\text{C}_{11}\text{H}_{14}\text{O}$ M_r 162.23 [938-16-9]			
20540		purum >97%(GC); B.P. 108-109°; d_4^{20} 0.967; n_D^{20} 1.508	1 lt $\approx$ 0.97 kg	1 ml 15. —	5 ml 63. —
	1,1-Dimethylpropylamine (tert-Pentylamine)				
	3/1; 25°	$\text{NH}_2\text{C}(\text{CH}_3)_2\text{CH}_2\text{CH}_3$ $\text{C}_5\text{H}_{13}\text{N}$ M_r 87.17 [594-39-8]			
41529		purum >98%(GC); B.P. 74-76°; d_4^{20} 0.761; n_D^{20} 1.404	1 lt $\approx$ 0.76 kg	50 ml 21. —	250 ml 90. —
	2,2-Dimethylpropylamine (1-Amino-2,2-dimethylpropane; Neopentylamine)				
	8/35; 25°	$(\text{CH}_3)_3\text{CCH}_2\text{NH}_2$ $\text{C}_5\text{H}_{13}\text{N}$ M_r 87.17 [5813-64-9]			
41530		purum $\sim$ 97%(GC); B.P. 80-83°; d_4^{20} 0.738; n_D^{20} 1.403; $\text{H}_2\text{O} \sim$ 2%	1 lt $\approx$ 0.74 kg	25 ml 26. —	100 ml 95. —
	Dimethyl propyl carbinol see 68380 2-Methyl-2-pentanol				
	N',N'-Dimethylpropylenediamine see 39370 1-Dimethylamino-2-propylamine				
	N,N-Dimethyl-2-propynylamine see 39330 3-Dimethylamino-1-propyne				
41535	2,5-Dimethylpyrazine purum >98%(GC); B.P. 152-154°; d_4^{20} 0.990		1 lt $\approx$ 0.99 kg	5 ml 22. —	25 ml 90. —
	$\text{N}:\text{C}(\text{CH}_3)\text{CH}:\text{NC}(\text{CH}_3):\text{CH}$ $\text{C}_6\text{H}_8\text{N}_2$ M_r 108.14 [123-32-0]				
	3,5-Dimethylpyrazole				
		$\text{NHN}:\text{C}(\text{CH}_3)\text{CH}:\text{CCH}_3$ $\text{C}_5\text{H}_8\text{N}_2$ M_r 96.13 [67-51-6]			
41540		puriss. >99%(GC); M.P. 106-108°; 1 g clearly soluble in 10 ml Methanol		50 g 15. —	
	3,5-Dimethyl-1-pyrazolylformamidinium nitrate (1-Amidino-3,5-dimethylpyrazole nitrate; 3,5-Dimethylpyrazole-1-carboxamidine)				
		$\text{N}:\text{C}(\text{CH}_3)\text{CH}:\text{C}(\text{CH}_3)\text{NC}(:\text{NH})\text{NH}_2 \cdot \text{HNO}_3$ $\text{C}_6\text{H}_{10}\text{N}_4 \cdot \text{HNO}_3$ M_r 201.19 [38184-47-3]			
41545		purum >98%(NT); M.P. $\sim$ 168° dec.; For the modification of amino acids and proteins by formation of guanidino groups from amino groups: A. Habeeb et al., Immunochemistry 8, 1047 (1971); A. Habeeb, Methods in Enzymology, Vol. XXVb, 558 (1972)		10 g 18. —	50 g 75. —
	2,4-, 2,6-, 3,4- and 3,5-Dimethylpyridine see 62730, 62760, 62780 and 62790 2,4-, 2,6-, 3,4- and 3,5-Lutidine				
	1,3-Dimethyl-2,4(1H,3H)-pyrimidinedione see 41730 1,3-Dimethyluracil				
	4,6-Dimethyl-2-pyrimidinethiol see 40761 4,6-Dimethyl-2-mercaptopyrimidine				
	1,3-Dimethyl-2,4,6(1H,3H,5H)-pyrimidinetrione see 39563 1,3-Dimethylbarbituric acid				
	S-(4,6-Dimethylpyrimidin-2-yl) O-(4-methoxybenzyl) thiolcarbonate see 81115 S-PMZ-2-mercapto-4,6-dimethylpyrimidine				
	Dimethyl pyrocarbonate see 40130 Dimethyl dicarbonate				

			sFr.	sFr.
41567	2,6-Dimethyl-γ-pyrone purum M.P. 132-134° QC(CH ₃):CHCOCH:CHCH ₃ C ₇ H ₆ O ₂ M _r 124.14 [1004-36-0]		10 g 16.—	50 g 67.—
	4,6-Dimethyl-2-pyrone-5-carboxylic acid see 58835 Isodehydracetic acid			
	2,5-Dimethylpyrrole 3/4; 67° CH ₃ C:CHCH:C(CH ₃)NH C ₆ H ₆ N M _r 95.15 [625-84-3]			
41569	purum >99%(GC); B.P. 171-172°; d ₄ ²⁰ 0.937; n _D ²⁰ 1.506	1 lt ≈ 0.94 kg	25 ml 31.—	
	"Dimethylresorcinol" see 83610 1,3-Dimethoxybenzene			
84860	Dimethyl sebacate purum >97%(GC); M.P. 25-28°; B.P. 288° (Lit.) CH ₃ OCO(CH ₂) ₈ COOCH ₃ C ₁₂ H ₂₂ O ₄ M _r 230.31 [106-79-6]		100 g 16.—	500 g 67.—
	2,4-Dimethylstyrene 3/4; 67° (CH ₃) ₂ C ₆ H ₃ CH:CH ₂ C ₁₀ H ₁₂ M _r 132.21 [2234-20-0]			
41580	purum stab. >97%(GC); B.P. 117.70°; d ₄ ²⁰ 0.91; n _D ²⁰ 1.540; store in refrigerator	1 lt ≈ 0.91 kg	5 ml 20.—	
	Dimethyl suberimide dihydrochloride CH ₃ OC(:NH)CH ₂ (CH ₂) ₄ CH ₂ C(:NH)OCH ₃ ·2HCl C ₁₀ H ₂₀ N ₂ O ₂ ·2HCl M _r 273.20 [34490-86-3]			
74835	purum >98%(Cl); M.P. 215-218°; store in refrigerator; Cross-linking reagent for the modification of proteins via amidation: G. E. Davies, G. Stark, Proc. Natl. Acad. Sci. US 66, 651 (1970); M. J. Hunter and M. L. Ludwig, Methods in Enzymology, Vol. 25, Part B, 585-596 (1970)		5 g 26.—	25 g 110.—
	Dimethyl succinate 3/4; 90° CH ₃ OCOCH ₂ CH ₂ COOCH ₃ C ₆ H ₁₀ O ₄ M _r 146.14 [106-65-0]			
14150	purum >98%(GC); M.P. 16-19°; B.P. 190-193°; d ₄ ²⁰ 1.117; n _D ²⁰ 1.419	1 lt ≈ 1.12 kg	250 ml 14.—	1 lt 50.—
39660	2,2-Dimethyl succinic acid puriss. >99%(T); M.P. 139-141°; Ash <0.3% HOOCCH ₂ C(CH ₃) ₂ COOH C ₆ H ₁₀ O ₄ M _r 146.14 [597-43-3]		10 g 18.—	50 g 75.—
	2,3-Dimethylsuccinic acid HOOCCH(CH ₃)CH(CH ₃)COOH C ₆ H ₁₀ O ₄ M _r 146.14 [13545-04-5]			
39670	purum >97%(T); mixture of racemic and meso form 4.5:1; M.P. 118-122°		1 g 18.—	5 g 75.—
39680	meso-2,3-Dimethylsuccinic acid purum >98%(GC); M.P. ~200° dec. HOOCCH(CH ₃)CH(CH ₃)COOH C ₆ H ₁₀ O ₄ M _r 146.14 [608-40-2]		1 g 18.—	5 g 75.—
	Dimethyl sulfate (Sulfuric acid dimethyl ester) 6.1/13b; 83° (CH ₃ O) ₂ SO ₂ C ₂ H ₆ O ₄ S M _r 126.13 [77-78-1]			
41610	puriss. p.a. B.P. 117.75-77°; d ₄ ²⁰ 1.325; n _D ²⁰ 1.387; Inhalation and contact with skin should be avoided	1 lt ≈ 1.33 kg	100 ml 7.—	500 ml 21.—
	Fluka-Guarantee:			
	Assay (GC) >99.0 %	Cobalt (Co) <0.00001%		
	Solubility passes test	Nickel (Ni) <0.00001%		
	Ash <0.02 %	Copper (Cu) <0.00001%		
	Free acid (as H ₂ SO ₄) <0.4 %	Cadmium (Cd) <0.00001%		
	Iron (Fe) <0.00005%	Zinc (Zn) <0.00001%		
	Lead (Pb) <0.00001%			
41620	purum ~97%(GC); d ₄ ²⁰ 1.325; n _D ²⁰ 1.387; Inhalation and contact with skin should be avoided	1 lt ≈ 1.33 kg	1 lt 15.—	
	Dimethyl sulfide see 41625 Methyl sulfide			
	Dimethyl sulfite see 41627 Methyl sulfite			
	2,4-Dimethylsulfolane (2,4-Dimethyltetrahydrothiophene-1,1-dioxide) SO ₂ CH ₂ CH(CH ₃)CH ₂ CHCH ₃ C ₆ H ₁₂ O ₂ S M _r 148.23 [1003-78-7]			
41630	purum >98%(GC); B.P. 277-279°; d ₄ ²⁰ 1.136; n _D ²⁰ 1.473; pure stationary phase for Gas chromatography	1 lt ≈ 1.14 kg	10 ml 45.—	50 ml 190.—
41635	Dimethylsulfonazo III p.a. [2,7-Bis(4-methyl-2-sulfonylazo)chromotropic acid] C ₂₄ H ₁₈ N ₄ Na ₂ O ₁₄ S ₄ M _r 760.67 [14979-11-4]		1 g 60.—	
	Dimethyl sulfone see 41631 Methyl sulfone			
	Dimethyl sulfoxide see 41640 Methyl sulfoxide			



			sFr.	sFr.
	Dimethyl L(+) -tartrate [L(+) -Tartaric acid dimethyl ester] $\text{CH}_3\text{OCO}(\text{CHOH})_2\text{COOCH}_3$ $\text{C}_6\text{H}_{10}\text{O}_6$ M_r 178.14 [608-68-4]			
95365	purum >99%(GC); $[\alpha]_{\text{D}}^{20} + 25 \pm 2^\circ$; $[\alpha]_{\text{D}}^{20} + 21 \pm 2^\circ$ (c = 1 in water)		50 g 18. —	250 g 75. —
	Dimethyl D(–)-tartrate unnatural $\text{CH}_3\text{OCO}(\text{CHOH})_2\text{COOCH}_3$ $\text{C}_6\text{H}_{10}\text{O}_6$ M_r 178.15 [608-69-5]			
95366	purum >99%(GC); $[\alpha]_{\text{D}}^{20} - 25 \pm 2^\circ$; $[\alpha]_{\text{D}}^{20} - 21 \pm 2^\circ$ (c = 1 in water)		5 g 20. —	25 g 85. —
86440	Dimethyl terephthalate purum >97%(T); M.P. 140-142° $\text{C}_6\text{H}_4(\text{COOCH}_3)_2$ $\text{C}_{10}\text{H}_{10}\text{O}_4$ M_r 194.19 [120-61-6]		250 g 8. —	1 kg 20. —
	Dimethyltetraglycol see 86690 Tetraethylene glycol dimethyl ether			
41660	2,5-Dimethyltetrahydrofuran (cis + trans) purum >97%(GC) 3/5; -12° $\text{QCH}(\text{CH}_3)\text{CH}_2\text{CH}_2\text{CHCH}_3$ $\text{C}_6\text{H}_{12}\text{O}$ M_r 100.16 [1003-38-9]	1 lt ≈ 0.83 kg	100 ml 22. —	500 ml 90. —
	2,4-Dimethyltetrahydrothiophene-1,1-dioxide see 41630 2,4-Dimethylsulfolane			
41666	1,5-Dimethyltetrazole pract. M.P. 70-72° $\text{N}:\text{NN}:\text{C}(\text{CH}_3)\text{NCH}_3$ $\text{C}_3\text{H}_6\text{N}_4$ M_r 98.11 [5144-11-6]		25 g 14. —	100 g 50. —
	3-(4,5-Dimethyl-2-thiazolyl)-2,5-diphenyl-2H-tetrazolium bromide see 88415 Thiazolyl Blue tetrazolium bromide			
41667	Dimethylthiocarbamoyl chloride purum >99%(Cl); M.P. 42-43°; B.P. _{0.2} 63-65° 8/2 $(\text{CH}_3)_2\text{NCSCl}$ $\text{C}_3\text{H}_6\text{ClNS}$ M_r 123.60 [16420-13-6]		25 g 29. —	100 g 105. —
	2,5-Dimethylthiophene 3/3; 29° $\text{SC}(\text{CH}_3):\text{CHCH}:\text{CCH}_3$ $\text{C}_6\text{H}_6\text{S}$ M_r 112.20 [638-02-8]			
41670	purum >98%(GC); B.P. 136-137°; d_4^{20} 0.984; n_D^{20} 1.513	1 lt ≈ 0.98 kg	10 ml 25. —	
	Dimethyltin dichloride 6.1/81f $(\text{CH}_3)_2\text{SnCl}_2$ $\text{C}_2\text{H}_6\text{Cl}_2\text{Sn}$ M_r 219.67 [753-73-1]			
41770	pract. ~95%(Cl); M.P. 101-106°; 1 g clearly soluble in 10 ml Methanol; store in refrigerator		100 g 32. —	500 g 135. —
	Dimethyl-N-(p-toluenesulfonyl)sulfoximine [Carl Johnson Reagent; N-(Toluene-4-sulfonyl)- dimethylsulfoximine] $(\text{CH}_3)_2\text{S}(\text{O}):\text{NSO}_2\text{C}_6\text{H}_4\text{CH}_3$ $\text{C}_9\text{H}_{13}\text{NO}_3\text{S}_2$ M_r 247.34 [22236-45-9]			
41703	purum; Review: P. D. Kennewell, J. B. Taylor, Chem. Soc. Rev. 4, 189 (1975)		10 g 20. —	50 g 85. —
	N,N-Dimethyl-m-toluidine (3-Dimethylaminotoluene) 6.1/210; 69° $\text{CH}_3\text{C}_6\text{H}_4\text{N}(\text{CH}_3)_2$ $\text{C}_9\text{H}_{13}\text{N}$ M_r 135.21 [121-72-2]			
41680	purum >98%(GC); B.P. ₁₀ 84-86°; d_4^{20} 0.941	1 lt ≈ 0.94 kg	100 ml 38. —	
	N,N-Dimethyl-p-toluidine (4-Dimethylaminotoluene) 6.1/210; 76° $\text{CH}_3\text{C}_6\text{H}_4\text{N}(\text{CH}_3)_2$ $\text{C}_9\text{H}_{13}\text{N}$ M_r 135.21 [99-97-8]			
41690	puriss. >99.5%(GC); B.P. ₁₀ 90-92°; d_4^{20} 0.937; n_D^{20} 1.546;	1 lt ≈ 0.94 kg	100 ml 15. —	500 ml 63. —
41700	Catalyst for Peroxide Polymerization; under Nitrogen purum ~99%(GC); B.P. 207-210°; d_4^{20} 0.936; n_D^{20} 1.546	1 lt ≈ 0.94 kg	250 ml 20. —	1 lt 70. —
	Dimethyltriglycol see 90420 Triethylene glycol dimethyl ether			
	2-(3,3-Dimethyltriazen-1-yl)benzoic acid see 39882 3,3-Dimethyl-1-(2-carboxyphenyl)triazene			
	N,N-Dimethyltrimethylsilylamine , TMSDMA (N,N-Dimethylaminotrimethylsilane; 3/1a; 20° N-Trimethylsilyldimethylamine) $(\text{CH}_3)_3\text{SiN}(\text{CH}_3)_2$ $\text{C}_6\text{H}_{15}\text{NSi}$ M_r 117.27 [2083-91-2]			
41720	purum >97%(GC); B.P. 84-86°; d_4^{20} 0.746; n_D^{20} 1.397; Powerful silylating agent, particularly for amino acids: E. D. Smith, K. L. Shewbart, J. Chromatogr. Sci. 7, 704 (1969)	1 lt ≈ 0.75 kg	10 ml 15. —	50 ml 63. —
	3,7-Dimethyl-9-(2,6,8-trimethyl-1-cyclohexenyl)-2,4,6,8-nonatetraen-1-ol see 95144 Vitamin-A-alcohol			
	trans-6,10-Dimethyl-5,9-undecadien-2-one see 48805 Geranylacetone			
	Dimethyl undecanedioate $\text{CH}_3\text{OCO}(\text{CH}_2)_9\text{COOCH}_3$ $\text{C}_{13}\text{H}_{24}\text{O}_4$ M_r 244.33 [4567-98-0]			
94042	pract. >98%(GC); M.P. 17-19°; B.P. ₂ 123-124° (Lit.); d_4^{20} 0.983; n_D^{20} 1.440	1 lt ≈ 0.98 kg	5 ml 21. —	25 ml 90. —
	1,3-Dimethyluracil [2,4-Dihydroxy-1,3-dimethylpyrimidine; 1,3-Dimethyl-2,4(1H,3H)-pyrimidinedione] $\text{CH}_3\text{NCON}(\text{CH}_3)\text{COCH}:\text{CH}$ $\text{C}_6\text{H}_8\text{N}_2\text{O}_2$ M_r 140.14 [874-14-6]			
41730	purum >99%(UV); M.P. 122-124°		1 g 11. —	5 g 44. —

			sFr.	sFr.
40410	N,N'-Dimethylurea (sym.) purum >98%(N); M.P. 102-104° (CH ₃ NH) ₂ CO C ₃ H ₈ N ₂ O M _r 88.11 [96-31-1]		250 g 7.—	1 kg 20.—
40406	1,3-Dimethyluric acid purum ~99%(UV); M.P. >300° (1,3-Dimethyl-2,6,8-trihydroxypurine) C ₇ H ₈ N ₄ O ₃ M _r 196.17 [944-73-0]		250 mg 33.—	1 g 120.—
40407	1,7-Dimethyluric acid purum (1,7-Dimethyl-2,6,8-trihydroxypurine) C ₇ H ₈ N ₄ O ₃ M _r 196.17 [33868-03-0]		250 mg 16.—	1 g 55.—
40408	1,9-Dimethyluric acid purum C ₇ H ₈ N ₄ O ₃ M _r 196.17 [55441-62-8]		250 mg 33.—	1 g 120.—
40411	3,9-Dimethyluric acid purum C ₇ H ₈ N ₄ O ₃ M _r 196.17 [55441-63-9]		250 mg 33.—	1 g 120.—
40412	7,9-Dimethyluric acid purum ~98%(UV); M.P. >300° C ₇ H ₈ N ₄ O ₃ M _r 196.17 [19039-41-9]		250 mg 33.—	1 g 120.—
	N,N-Dimethylvaleramide CH ₃ (CH ₂) ₃ CON(CH ₃) ₂ C ₇ H ₁₅ NO M _r 129.20 [6225-06-5]			
41748	purum >99%(GC); B.P. 207-209°; d ₄ ²⁰ 0.901; n _D ²⁰ 1.445	1 lt ≈ 0.90 kg	25 ml 40.—	
	1,7-Dimethylxanthine (2,6-Dihydroxy-1,7-dimethylpurine) C ₇ H ₈ N ₄ O ₂ M _r 180.17 [611-59-6]			
41761	purum ~95%(UV); M.P. 294-296°		250 mg 63.—	1 g 225.—
	1,9-Dimethylxanthine (2,6-Dihydroxy-1,9-dimethylpurine) C ₇ H ₈ N ₄ O ₂ M _r 180.17 [33072-01-7]			
41762	purum >98%(UV); M.P. >300°		250 mg 63.—	1 g 225.—
	3,9-Dimethylxanthine (2,6-Dihydroxy-3,9-dimethylpurine) C ₇ H ₈ N ₄ O ₂ M _r 180.17 [15837-08-8]			
41763	purum >99%(UV); M.P. >300°		250 mg 63.—	1 g 225.—
	1,3-Dimethylxanthine-7-acetic acid see 88310 Theophylline-7-acetic acid			
	7,9-Dimethylxanthinium betaine (2,6-Dihydroxy-7,9-dimethylpurine betaine) C ₇ H ₈ N ₄ O ₂ M _r 180.17 [5752-21-6]			
41765	purum M.P. >300°		250 mg 63.—	1 g 225.—
	Dimethyl Yellow [C.I. Nr. 11020; Sch. Nr. 28] (4-Dimethylaminoazobenzene; Methyl Yellow) 6.1/21 (CH ₃) ₂ NC ₆ H ₄ N:NC ₆ H ₅ C ₁₄ H ₁₅ N ₃ M _r 225.30 [60-11-7]			
40300	Standard Fluka M.P. 115-117°; Indicator pH 2.9-4.0; Human carcinogen	25 g 7.—	100 g 20.—	500 g 85.—
	Dimidium bromide (3,8-Diamino-5-methyl-6-phenylphenanthridinium bromide) C ₂₀ H ₁₈ BrN ₃ M _r 380.30 [518-67-2]			
41785	purum ~95%(Br); M.P. 246-248°		250 mg 16.—	1 g 55.—
	L-β,γ-Dimyristoyl-α-cephalin (1,2-Dimyristoyl-sn-glycero-3-phosphorylethanolamine) C ₃₃ H ₆₆ NO ₈ P M _r 635.87 [998-07-2]			
41805	puriss. ~99%(GC, after transesterification); M.P. 198-203°; [α] _D ²⁰ + 8.8° (c = 10 in CHCl ₃ /CH ₃ OH 9:1)		100 mg 35.—	1 g 280.—
	rac-1,2-Dimyristoylglycero-3-phosphorylcholine see 41804 DL-β,γ-Dimyristoyl-α-lecithin			
	L-β,γ-Dimyristoyl-α-lecithin (1,2-Dimyristoyl-sn-glycero-3-phosphorylcholine) C ₃₆ H ₇₂ NO ₈ P M _r 677.95 [18194-24-6]			
41803	puriss. ~99%(GC, after transesterification); M.P. 235-237°; [α] _D ²⁰ + 7.8±0.5° (c = 10 in CHCl ₃ /CH ₃ OH 9:1)		250 mg 63.—	1 g 225.—
	DL-β,γ-Dimyristoyl-α-lecithin (rac-1,2-Dimyristoylglycero-3-phosphorylcholine) C ₃₆ H ₇₂ NO ₈ P M _r 677.95 [18656-38-7]			
41804	puriss. M.P. 235-240°		250 mg 63.—	1 g 225.—
	L-β,γ-Dimyristoyl-α-phosphatidic acid Disodium salt (1,2-Dimyristoyl-sn-glycero-3-phosphate Disodium salt) C ₃₁ H ₆₀ Na ₂ O ₈ P M _r 636.76 [28874-52-4] (free acid)			
41806	purum M.P. 179-183°; [α] _D ²⁰ + 10±0.5° (c = 10 in CHCl ₃ /CH ₃ OH 9:1)		100 mg 60.—	1 g 480.—
	2,4-Dinitroaniline 6.1/21f (NO ₂) ₂ C ₆ H ₃ NH ₂ C ₆ H ₅ N ₃ O ₄ M _r 183.12 [97-02-9]			
41840	puriss. M.P. 179-181°	50 g 15.—		250 g 63.—
41850	pract. >95%(HPLC); M.P. 176-180°	250 g 10.—		1 kg 35.—

			sFr.	sFr.
41855	2,6-Dinitroaniline purum >98% (HPLC); M.P. 137-139°; <2% 2,4-Dinitroaniline 6.1/21f $(\text{NO}_2)_2\text{C}_6\text{H}_3\text{NH}_2$ $\text{C}_6\text{H}_5\text{N}_3\text{O}_4$ M_r 183.12 [606-22-4]		10 g 32. —	50 g 135. —
41870	3,5-Dinitroaniline pract. ~90% (HPLC); M.P. 160-162°; ~3% 3-Nitroaniline 6.1/21f $(\text{NO}_2)_2\text{C}_6\text{H}_3\text{NH}_2$ $\text{C}_6\text{H}_5\text{N}_3\text{O}_4$ M_r 183.12 [618-87-1]		1 g 11. —	5 g 46. —
41890	2,4-Dinitrobenzaldehyde puriss. p.a. M.P. 67-69°; B.P. _{0.1} 125° $(\text{NO}_2)_2\text{C}_6\text{H}_3\text{CHO}$ $\text{C}_7\text{H}_4\text{N}_2\text{O}_5$ M_r 196.12 [528-75-6]		5 g 32. —	25 g 135. —
	1,2-Dinitrobenzene 6.1/21i $\text{C}_6\text{H}_4(\text{NO}_2)_2$ $\text{C}_6\text{H}_4\text{N}_2\text{O}_4$ M_r 168.11 [528-29-0]			
41970	puriss. p.a. >99% (HPLC); for Sugar determination; M.P. 116-117°; loss on drying <0.5%; <0.5% 1,3- and 1,4-Dinitrobenzene		5 g 16. —	25 g 67. —
41972	purum >98% (HPLC); M.P. 112-115°; loss on drying ~1%; <1% 1,3- and 1,4-Dinitrobenzene		25 g 31. —	100 g 115. —
	1,3-Dinitrobenzene 6.1/21i $\text{C}_6\text{H}_4(\text{NO}_2)_2$ $\text{C}_6\text{H}_4\text{N}_2\text{O}_4$ M_r 168.11 [99-65-0]			
41980	puriss. p.a. >99% (HPLC); M.P. 89-90°; for colorimetric determination of Oxosteroids; Biochem. Z. 323, 157 (1952)		100 g 20. —	500 g 85. —
41990	purum >98% (HPLC); M.P. 86-89°		250 g 10. —	1 kg 32. —
42000	1,4-Dinitrobenzene pract. >98% (HPLC); M.P. 170-173° 6.1/21i $\text{C}_6\text{H}_4(\text{NO}_2)_2$ $\text{C}_6\text{H}_4\text{N}_2\text{O}_4$ M_r 168.11 [100-25-4]		10 g 25. —	50 g 105. —
	2,4-Dinitrobenzenesulfonyl chloride (Kharasch Reagent) 6.1/21i $(\text{NO}_2)_2\text{C}_6\text{H}_3\text{SO}_2\text{Cl}$ $\text{C}_6\text{H}_3\text{ClN}_2\text{O}_6\text{S}$ M_r 234.62 [528-76-7]			
42010	puriss. p.a. >99% (Cl); M.P. 95-96°; store in refrigerator		5 g 9. —	25 g 35. —
	2,4-Dinitrobenzenesulfochloride 6.1/21 $(\text{NO}_2)_2\text{C}_6\text{H}_3\text{SO}_2\text{Cl}$ $\text{C}_6\text{H}_3\text{ClN}_2\text{O}_6\text{S}$ M_r 266.62 [1656-44-6]			
42020	purum >99% (Cl); M.P. 101-103°; Starting material for the preparation of 2,4-Dinitro-benzene sulfonic acid hydrazide, a "useful reagent for the Eschenmoser α,β Cleavage of α,β -epoxy Ketones"; E. J. Corey, H. S. Sacholew, J. Org. Chem. 40, 579 (1975)		5 g 16. —	25 g 50. —
41895	3,3'-Dinitrobenzidine p.a. 6.1/81g $\text{NH}_2\text{C}_6\text{H}_3(\text{NO}_2)_2\text{C}_6\text{H}_3(\text{NO}_2)_2\text{NH}_2$ $\text{C}_{12}\text{H}_{10}\text{N}_4\text{O}_4$ M_r 274.24 [6271-79-0]		5 g 40. —	
	2,4-Dinitrobenzoic acid $(\text{NO}_2)_2\text{C}_6\text{H}_3\text{COOH}$ $\text{C}_7\text{H}_4\text{N}_2\text{O}_6$ M_r 212.12 [610-30-0]			
41910	purum >98% (T); M.P. 176-180°; 1 g clearly soluble in 20 ml Dioxane		25 g 31. —	100 g 115. —
	3,4-Dinitrobenzoic acid $(\text{NO}_2)_2\text{C}_6\text{H}_3\text{COOH}$ $\text{C}_7\text{H}_4\text{N}_2\text{O}_6$ M_r 212.12 [528-45-0]			
41940	puriss. >99% (T); M.P. 164-166°; 1 g clearly soluble in 10 ml Methanol		50 g 20. —	250 g 85. —
41950	3,5-Dinitrobenzoic acid purum >99% (T); M.P. 205-208°; Ash <0.1% $(\text{NO}_2)_2\text{C}_6\text{H}_3\text{COOH}$ $\text{C}_7\text{H}_4\text{N}_2\text{O}_6$ M_r 212.12 [99-34-3]		100 g 11. —	500 g 46. —
	3,5-Dinitrobenzoyl chloride (DNBC) 8/12 $(\text{NO}_2)_2\text{C}_6\text{H}_3\text{COCl}$ $\text{C}_7\text{H}_3\text{ClN}_2\text{O}_5$ M_r 230.56 [99-32-2]			
42030	purum > 98% (Cl); M.P. 68-69°; store in refrigerator	10 g 7. —	50 g 12. —	250 g 50. —
42034	2-(2,4-Dinitrobenzyl)pyridine pract. M.P. 92-94° $\text{N}:\text{CHCH}:\text{CHCH}:\text{CHCH}_2\text{C}_6\text{H}_3(\text{NO}_2)_2$ $\text{C}_{12}\text{H}_9\text{N}_3\text{O}_4$ M_r 259.23 [1151-97-9]		5 g 21. —	25 g 90. —
	2,2'-Dinitrobiphenyl $\text{NO}_2\text{C}_6\text{H}_4\text{C}_6\text{H}_4\text{NO}_2$ $\text{C}_{12}\text{H}_8\text{N}_2\text{O}_4$ M_r 244.21 [2436-96-6]			
42035	purum >99% (HPLC); M.P. 124-126°; 1 g clearly soluble in 10 ml Dioxane		10 g 25. —	50 g 105. —
	2,4-Dinitrochlorobenzene see 24440 1-Chloro-2,4-dinitrobenzene			
	4,6-Dinitro-o-cresol (3,5-Dinitro-2-hydroxytoluene; 4,6-Dinitro-2-methylphenol) 6.1/22a $\text{CH}_3\text{C}_6\text{H}_2(\text{NO}_2)_2\text{OH}$ $\text{C}_7\text{H}_6\text{N}_2\text{O}_5$ M_r 198.14 [534-52-1]			
42120	pract. >98% (HPLC); M.P. 84-86°		500 g 17. —	
42075	4',5'-Dinitrofluoresceine Standard Fluka; Ash ~1-2% $\text{C}_{20}\text{H}_{10}\text{N}_2\text{O}_9$ M_r 422.31 [24545-86-6]		10 g 12. —	50 g 50. —

				sFr.	sFr.
	2,4-Dinitro-5-fluoroaniline, DNFA (Bergmann Reagent)				
	6.1/21f	$\text{FC}_6\text{H}_2(\text{NO}_2)_2\text{NH}_2$	$\text{C}_6\text{H}_4\text{FN}_2\text{O}_4$	M_r 201.12	[367-81-7]
42070	puriss. p.a.; Reagent for labelling free amino groups in proteins before hydrolysis. DNFA is reported to have several advantages over the Sanger reagent, dinitrofluorobenzene (FLUKA 42080): E. D. Bergmann, M. Bentov, J. Org. Chem. 26, 1480 (1961)				5 g 50.—
	2,4-Dinitrofluorobenzene (DNPF; FDNB; Sanger Reagent)				
	6.1/21i	$(\text{NO}_2)_2\text{C}_6\text{H}_3\text{F}$	$\text{C}_6\text{H}_3\text{FN}_2\text{O}_4$	M_r 186.10	[70-34-8]
42080	puriss. p.a. >99%(GC); M.P. 25-27°; store in refrigerator; for the modification and determination of amino acids, peptides and phenols: F. Sanger, Biochem. J. 39, 507 (1945); ibid. 40, 261 (1946); ibid. 45, 563 (1963); I. C. Cohen, J. Norcup, J. H. A. Ruzicka, B. B. Wheals, J. Chromatogr. 44, 251 (1969)				10 g 9.— 50 g 32.— 250 g 135.—
	3,5-Dinitro-2-hydroxybenzoic acid see 42260 3,5-Dinitrosalicylic acid				
	3,5-Dinitro-2-hydroxytoluene see 42120 4,6-Dinitro-o-cresol				
42110	2,4-Dinitroiodobenzene	purum	M.P. 86-88°	5 g 26.—	25 g 110.—
	6.1/21i	$(\text{NO}_2)_2\text{C}_6\text{H}_3\text{I}$	$\text{C}_6\text{H}_3\text{IN}_2\text{O}_4$	M_r 294.01	[709-49-9]
	3,5-Dinitro-2-methylbenzoic acid see 42320 3,5-Dinitro-o-toluic acid				
	4,6-Dinitro-2-methylphenol see 42120 4,6-Dinitro-o-cresol				
42135	1,5-Dinitronaphthalene	purum	M.P. 214-217°	100 g 15.—	500 g 63.—
	6.1/21i	$\text{C}_{10}\text{H}_6(\text{NO}_2)_2$	$\text{C}_{10}\text{H}_6\text{N}_2\text{O}_4$	M_r 218.17	[605-71-0]
42140	2,7-Dinitronaphthalene	purum	~97%(UV); M.P. 231-233°	1 g 22.—	5 g 90.—
	6.1/21i	$\text{C}_{10}\text{H}_6(\text{NO}_2)_2$	$\text{C}_{10}\text{H}_6\text{N}_2\text{O}_4$	M_r 218.17	[24824-27-9]
42150	2,4-Dinitro-1-naphthol [C.I. Nr. 10315]	purum (Martius Yellow)		50 g 26.—	250 g 110.—
	6.1/21	$(\text{NO}_2)_2\text{C}_{10}\text{H}_5\text{OH}$	$\text{C}_{10}\text{H}_6\text{N}_2\text{O}_5$	M_r 234.17	[605-69-6]
	2,4-Dinitro-1-naphthol-7-sulfonic acid Sodium salt see 70540 Naphthol Yellow S				
42155	2,3-Dinitrophenol	purum	>98%(HPLC; dried); M.P. 144-146° (dry); moistened with 20% water	5 g 40.—	25 g 165.—
	6.1/22	$(\text{NO}_2)_2\text{C}_6\text{H}_3\text{OH}$	$\text{C}_6\text{H}_4\text{N}_2\text{O}_5$	M_r 184.11	[66-56-8]
	2,4-Dinitrophenol (α-Dinitrophenol)				
	6.1/22	$(\text{NO}_2)_2\text{C}_6\text{H}_3\text{OH}$	$\text{C}_6\text{H}_4\text{N}_2\text{O}_5$	M_r 184.11	[51-28-5]
42160	puriss. >99%(HPLC; dry); M.P. 111-113° (dry); moistened with 20% water; Indicator pH 2.0-4.7				25 g 9.— 100 g 30.— 500 g 125.—
42170	pract. >97%(HPLC; dry); M.P. 108-112° (dry); moistened with 20% water				250 g 13.— 1 kg 45.—
	2,5-Dinitrophenol (γ-Dinitrophenol)				
	6.1/22	$(\text{NO}_2)_2\text{C}_6\text{H}_3\text{OH}$	$\text{C}_6\text{H}_4\text{N}_2\text{O}_5$	M_r 184.11	[329-71-5]
42180	purum >98%(HPLC; dry); M.P. 103-106° (dry); moistened with 20% water; Indicator pH 4.0-5.8				5 g 21.— 25 g 90.—
	2,6-Dinitrophenol (β-Dinitrophenol)				
	6.1/22	$(\text{NO}_2)_2\text{C}_6\text{H}_3\text{OH}$	$\text{C}_6\text{H}_4\text{N}_2\text{O}_5$	M_r 184.11	[573-56-8]
42190	purum >98%(HPLC; dry); M.P. 61-63° (dry); moistened with 20% water; Indicator pH 1.7-4.4				5 g 24.— 25 g 100.—
	3,4-Dinitrophenol				
	6.1/22	$(\text{NO}_2)_2\text{C}_6\text{H}_3\text{OH}$	$\text{C}_6\text{H}_4\text{N}_2\text{O}_5$	M_r 184.11	[577-71-9]
42195	purum >97%(HPLC; dry); M.P. 132-135° (dry); moistened with 20% water				5 g 40.— 25 g 165.—
42200	2,4-Dinitrophenylacetic acid	pract. >98%(T)		25 g 24.—	100 g 90.—
	6.1/21	$(\text{NO}_2)_2\text{C}_6\text{H}_3\text{CH}_2\text{COOH}$	$\text{C}_8\text{H}_6\text{N}_2\text{O}_6$	M_r 226.15	[643-43-6]
	Dinitrophenyl amino acids see DNP-amino acids				
	2,4-Dinitrophenylazo-2-hydroxy-naphthalene-3,6-disulfonic acid Disodium salt see 72550 Nitrazine yellow				

sFr.

sFr.

2,4-Dinitrophenylhydrazine

4.1/16 (NO₂)₂C₆H₃NHNH₂ C₆H₆N₄O₄ M_r 198.14 [119-26-6]

42210

puriss. p.a.; moistened with 33% water; For the determination of α-keto groups after the transamination of α-amino groups in proteins with glyoxalic acid: R. Fields and H. B. F. Dixon, Biochem. J. 121, 587 (1971); H. B. F. Dixon and R. Fields, Methods in Enzymology, Vol. XXVb, 409 (1972)

25 g 10. —

100 g 25. —

500 g 105. —

Fluka-Guarantee:

M.P. 199-200°; Ash <0.1%

Solubility: 0.5 g are completely soluble in 50 ml H₂SO₄ (50%) giving a clear solution



3,5-Dinitrosalicylic acid (3,5-Dinitro-2-hydroxybenzoic acid)

6.1/21 HOC₆H₂(NO₂)₂COOH C₇H₄N₂O₇ M_r 228.19 [609-99-4]

42260

purum >98%(T); M.P. 168-172°

25 g 7. —

100 g 15. —

500 g 50. —

42290

2,4-Dinitrotoluene pract. M.P. 67-70° (dry); moistened with 10% water

6.1/21m CH₃C₆H₃(NO₂)₂ C₇H₆N₂O₄ M_r 182.14 [121-14-2]

500 g 16. —

2,6-Dinitrotoluene

6.1/21m CH₃C₆H₃(NO₂)₂ C₇H₆N₂O₄ M_r 182.14 [606-20-2]

42300

pract. >97%(HPLC; dry); M.P. 61-64° (dry); moistened with 10% water

100 g 25. —

500 g 105. —

3,4-Dinitrotoluene

6.1/21m CH₃C₆H₃(NO₂)₂ C₇H₆N₂O₄ M_r 182.14 [610-39-9]

42310

purum >98%(HPLC; dry); M.P. 57-59° (dry); moistend with 10% water

100 g 18. —

42320

3,5-Dinitro-o-toluic acid purum >98%(T); M.P. 204-205° (3,5-Dinitro-2-methylbenzoic acid)

CH₃C₆H₂(NO₂)₂COOH C₈H₆N₂O₆ M_r 226.15 [28169-46-2]

100 g 15. —

1,3-Dinitro-2,4,5-trichlorobenzene see 91222 1,2,4-Trichloro-3,5-dinitrobenzene

42321

2,4-Dinitro-m-xylene purum >98%(HPLC); M.P. 82-84°

(NO₂)₂C₆H₂(CH₃)₂ C₈H₆N₂O₄ M_r 196.16 [603-02-1]

100 g 35. —

"Dinonyl" phthalate see 80072 Bis(3,5,5-trimethylhexyl) phthalate

42360

Diocetylamine pract. ~97%(NT); M.P. 65-67°; Ash <0.1% (Distearylamine)

CH₃(CH₂)₁₇NH(CH₂)₁₇CH₃ C₃₆H₇₅N M_r 522.00 [122-99-2]

100 g 25. —

500 g 105. —

42390

Diocetylamine purum >97%(GC); M.P. 13-16°; B.P. 298° (Lit.); d₄²⁰ 0.800

8/35 CH₃(CH₂)₇NH(CH₂)₇CH₃ C₁₆H₃₅N M_r 241.46 [1120-48-5]

1 lt ≈ 0.80 kg

50 ml 15. —

250 ml 63. —

Diocetyl ether see 42380 Octyl ether

Diocetyl ketone see 42420 9-Heptadecanone

42430

N,N-Diocetylmethylamine purum ~98%(GC) (N-Methyldiethylamine)

[CH₃(CH₂)₇]₂NCH₃ C₁₇H₃₇N M_r 255.49 [4455-26-9]

1 lt ≈ 0.80 kg

25 ml 14. —

100 ml 50. —

"Diocetyl" phthalate see 80032 Bis(2-ethylhexyl) phthalate

"Diocetyl" sebacate see 84820 Bis(2-ethylhexyl) sebacate

Diocetyl sulfide see 42440 Octyl sulfide

"Diocetyl" sulfosuccinate Sodium salt see 86140 Bis(2-ethylhexyl) sulfosuccinate Sodium salt

42496

Diolain techn. (Glycerol-1,2 + 1,3-dioleate)

C₃₈H₇₂O₅ M_r 621.00 [25637-84-7]

500 g 24. —

DL-β-γ-Dioleoyl-α-lecithin (rac-1,2-Dioleoylglycero-3-phosphorylcholine)

C₄₄H₈₄NO₈P M_r 786.13 [10015-85-7]

42497

purum >97%(GC, after transesterification)

100 mg 75. —

1 g 520. —

4,6-Dioxo-1-azabicyclo[3.3.0]octane see 11401 1-Aza-4,6-dioxabicyclo[3.3.0]octane

1,4-Dioxacyclohexadecane-5,16-dione (cycl-Ethylene glycol dodecanedioate)

>95° CH₂CH₂OCO(CH₂)₁₀COO C₁₄H₂₄O₄ M_r 256.35 [54982-83-1]

42499

pract. ~95%(GC); B.P. 341°; d₄²⁰ 1.060; n_D²⁰ 1.472

1 lt ≈ 1.06 kg

10 ml 30. —

50 ml 125. —

						sFr.		sFr.
Dioxane (Diethylene oxide)								
3/5; 11°	$\text{QCH}_2\text{CH}_2\text{OCH}_2\text{CH}_2$	$\text{C}_4\text{H}_8\text{O}_2$	M_r 88.11	[123-91-1]				
42500	for UV-Spectroscopy				1 lt ≈ 1.03 kg	250 ml 20.—		1 lt 75.—
	Fluka-Guarantee:							
	10 mm Path length vs Reference: distilled water							
	Wave length in nm:	225	240	250	260	280	290	310
	Transmittance in %:	28	45	52	63	89	95	>99
42505	for HPLC; B.P. 101°; d_4^{20} 1.033; n_D^{20} 1.421;							
	UV cut-off 235 nm; solvent strength ϵ (Al_2O_3) 0.56;							
	H_2O <0.2%				1 lt ≈ 1.03 kg	500 ml 34.—	1 lt 65.—	2.5 lt 145.—
42510	puriss. p.a. dried; M.P. 11-13°; B.P. 99-102°;							
	d_4^{20} 1.034; n_D^{20} 1.421				1 lt ≈ 1.03 kg	100 ml 7.—	500 ml 24.—	1 lt 45.—
	Fluka-Guarantee:							
	Assay (GC)	>99.5	%	Cobalt (Co)		<0.00001%		
	Water (H_2O)	<0.2	%	Nickel (Ni)		<0.00001%		
	Residue on evaporation	<0.002	%	Copper (Cu)		<0.00001%		
	Acid (as CH_3COOH)	passes test		Lead (Pb)		<0.00001%		
	Peroxide	<0.005	%	Cadmium (Cd)		<0.00001%		
	Iron (Fe)	<0.00005%		Zinc (Zn)		<0.00001%		
42512	puriss. p.a.; M.P. 10-11°; B.P. 99.5-101.5°;							
	d_4^{20} 1.033; n_D^{20} 1.421				1 lt ≈ 1.03 kg	250 ml 10.—	1 lt 32.—	2.5 lt 70.—
	Fluka-Guarantee:							
	Assay (GC)	>99.5	%	Nickel (Ni)		<0.00001%		
	Water (H_2O)	<0.5	%	Iron (Fe)		<0.00005%		
	Residue on evaporation	<0.002	%	Copper (Cu)		<0.00001%		
	Acid (as CH_3COOH)	<0.001	%	Lead (Pb)		<0.00001%		
	Peroxide (as H_2O_2)	<0.005	%	Cadmium (Cd)		<0.00001%		
	Cobalt (Co)	<0.00001%		Zinc (Zn)		<0.00005%		
42511	puriss. for Scintillation				1 lt ≈ 1.03 kg	1 lt 45.—		
42520	purum absolute >99%(GC); M.P. 10-12°; B.P. 98-102°; d_4^{20} 1.03				1 lt ≈ 1.03 kg	1 lt 25.—		2.5 lt 55.—
42530	purum >98%(GC); M.P. 10-12°				1 lt ≈ 1.03 kg	1 lt 20.—		5 lt 85.—
1,3-Dioxane (Formaldehyde trimethylene acetal)								
3/5; 5°	$\text{QCH}_2\text{OCH}_2\text{CH}_2\text{CH}_2$	$\text{C}_4\text{H}_8\text{O}_2$	M_r 88.11	[505-22-6]				
42531	purum >99%(GC); B.P. 106-108°; d_4^{20} 1.034; n_D^{20} 1.419				1 lt ≈ 1.03 kg	10 ml 28.—		50 ml 120.—
74770	Dioxane-d_8 purum >99 Atom% D; d_4^{20} 1.03				1 lt ≈ 1.03 kg	1 ml 22.—		5 ml 90.—
3/5; 5°	$\text{QCD}_2\text{CD}_2\text{OCD}_2\text{CD}_2$	$\text{C}_4\text{D}_8\text{O}_2$	M_r 96.16	[17647-74-4]				
1,4-Dioxaspiro[4.5]decane see 29155 Cyclohexanone ethylene ketal								
3,17-Dioxo-4-androstene see 10340 4-Androstene-3,17-dione								
2,5-Dioxo-fluoro-pyrimidine see 47576 5-Fluorouracil								
1,3-Dioxoindan see 56860 1,3-Indandione								
1,3-Dioxolane (Ethylene glycol methylene ether; Formaldehyde ethylene acetal)								
3/1a; 20°	$\text{QCH}_2\text{OCH}_2\text{CH}_2$	$\text{C}_3\text{H}_6\text{O}_2$	M_r 74.08	[646-06-0]				
42545	purum >99%(GC); B.P. 75-76°; d_4^{20} 1.064; n_D^{20} 1.401				1 lt ≈ 1.06 kg	500 ml 18.—		
1,3-Dioxolan-2-one see 03519 Ethylene carbonate								
1,3-Dioxol-2-one see 94965 Vinylene carbonate								
1,3-Dioxo-2-pivaloylindan see 80950 2-Pivaloyl-1,3-indandione								
D-α,β-Dipalmitin [1,2-Dipalmitoyl-sn-glycerol; (S)-Glycerol 1,2-dipalmitate]								
	$\text{C}_{35}\text{H}_{68}\text{O}_5$	M_r 568.93	[30334-71-5]					
42553	puriss. CHR >98%(GC, after transesterification); M.P. 68-69°; $[\alpha]_{546}^{20} + 1.0 \pm 0.2^\circ$ (c = 10 in $\text{CHCl}_3/\text{CH}_3\text{OH}$ 9:1)					250 mg 40.—		1 g 145.—
DL-α,β-Dipalmitin (rac-1,2-Dipalmitoylglycerol; rac-Glycerol 1,2-dipalmitate)								
	$\text{C}_{35}\text{H}_{68}\text{O}_5$	M_r 568.93	[40290-32-2]					
42554	puriss. CHR >99%(GC, after transesterification); M.P. 64-66°					250 mg 35.—		1 g 130.—
α,γ-Dipalmitin (1,3-Dipalmitoylglycerol; Glycerol 1,3-dipalmitate)								
	$\text{C}_{35}\text{H}_{68}\text{O}_5$	M_r 568.93	[502-52-3]					
42555	puriss. CHR >99%(GC, after transesterification); M.P. 72-74°					250 mg 35.—		1 g 130.—
1,2-Dipalmitoyl-sn-glycerol see 42553 D- α,β -Dipalmitin								

		sFr.	sFr.
	L-β,γ-Dipalmitoyl-α-cephalin (1,2-Dipalmitoyl-sn-glycero-3-phosphorylethanolamine) C ₃₇ H ₇₄ NO ₈ P M _r 691.98 [923-61-5] puriss. ~99% (GC, after transesterification); M.P. 198-200°; [α] ₅₄₆ ²⁰ + 7.50±0.5° (c = 10 in CHCl ₃ /CH ₃ OH 9:1)	250 mg 50. —	1 g 175. —
42549			
	DL-β,γ-Dipalmitoyl-α-cephalin (rac-1,2-Dipalmitoylglycero-3-phosphorylethanolamine) C ₃₇ H ₇₄ NO ₈ P M _r 691.98 [5681-36-7] puriss. M.P. 204-207°	250 mg 50. —	1 g 175. —
42551			
	L-β,γ-Dipalmitoyl-N,N-dimethyl-α-cephalin (1,2-Dipalmitoyl-sn-glycero-3-phosphoryl-N,N- dimethylethanolamine) C ₃₉ H ₇₈ NO ₈ P M _r 720.03 [3922-61-0] puriss. M.P. 160-163°; [α] ₅₄₆ ²⁰ + 7.52±0.5° (c = 10 in CHCl ₃ /CH ₃ OH 9:1)	250 mg 67. —	1 g 240. —
42552			
	DL-β,γ-Dipalmitoyl-N,N-dimethyl-α-cephalin (rac-1,2-Dipalmitoylglycero-3-phosphoryl-N,N-dimethylethanolamine) C ₃₉ H ₇₈ NO ₈ P M _r 720.03 [54285-59-5] puriss. M.P. 163-164°	250 mg 25. —	1 g 200. —
42562			
	rac-1,2-Dipalmitoylglycerol see 42554 DL-1,2-Dipalmitin		
	1,3-Dipalmitoylglycerol see 42555 1,3-Dipalmitin		
	1,2-Dipalmitoyl-sn-glycero-3,O-methylphosphorylcholine hydroxide see 67738 O-Methyl-L-α-lecithin hydroxide		
	1,2-Dipalmitoyl-sn-glycero-3-phosphate Disodium salt see 41807 L-β,γ-Dipalmitoyl-α-phosphatidic acid Disodium salt		
	rac-1,2-Dipalmitoylglycero-3-phosphate Disodium salt see 41808 DL-β,γ-Dipalmitoyl-α-phosphatidic acid Disodium salt		
	1,3-Dipalmitoylglycero-2-phosphorylcholine see 42559 α,γ-Dipalmitoyl-β-lecithin		
	1,2-Dipalmitoyl-sn-glycero-3-phosphoryl-N,N-dimethylethanolamine see 42552 L-β,γ-Dipalmitoyl-N,N-dimethyl-α-cephalin		
	rac-1,2-Dipalmitoylglycero-3-phosphoryl-N,N-dimethylethanolamine see 42562 DL-β,γ-Dipalmitoyl-N,N-dimethyl-α-cephalin		
	rac-1,2-Dipalmitoylglycero-3-phosphorylethanolamine see 42551 DL-β,γ-Dipalmitoyl-α-cephalin		
	1,2-Dipalmitoylglycero-3-phosphoryl-N-methylethanolamine see 42558 L-β,γ-Dipalmitoyl-N-methyl-α-cephalin		
	rac-1,2-Dipalmitoylglycero-3-phosphoryl-N-methylethanolamine see 42561 DL-β,γ-Dipalmitoyl-N-methyl-α-cephalin		
	L-β,γ-Dipalmitoyl-α-lecithin (1,2-Dipalmitoyl-sn-glycero-3-phosphorylcholine) C ₄₀ H ₈₀ NO ₈ P M _r 734.06 [63-89-8] puriss. ~99% (GC, after transesterification); M.P. 229-231°; [α] ₅₄₆ ²⁰ + 8.1±0.3° (c = 10 in CHCl ₃ /CH ₃ OH 9:1)	100 mg 25. —	250 mg 55. — 1 g 200. —
42556			
	α,γ-Dipalmitoyl-β-lecithin (1,3-Dipalmitoylglycero-2-phosphorylcholine) C ₄₀ H ₈₀ NO ₈ P.H ₂ O M _r 752.07 [59540-22-6] puriss. ~99% (GC, after transesterification)	100 mg 45. —	1 g 360. —
42559			
	DL-β,γ-Dipalmitoyl-α-lecithin (rac-1,2-Dipalmitoylglycero-3-phosphorylcholine) C ₄₀ H ₈₀ NO ₈ P M _r 734.06 [2797-68-4] puriss. ~99% (GC, after transesterification); M.P. 230-233°	250 mg 40. —	1 g 145. —
42557			
	L-β,γ-Dipalmitoyl-N-methyl-α-cephalin (1,2-Dipalmitoyl-sn-glycero-3-phosphoryl-N-methylethanolamine) C ₃₈ H ₇₆ NO ₈ P M _r 706.00 [3930-13-0] puriss. M.P. 179-181°; [α] ₅₄₆ ²⁰ + 8.2±0.3° (c = 1 in CHCl ₃ /CH ₃ OH 9:1)	250 mg 45. —	1 g 360. —
42558			
	DL-β,γ-Dipalmitoyl-N-methyl-α-cephalin (rac-1,2-Dipalmitoylglycero-3-phosphoryl-N-methylethanolamine) C ₃₈ H ₇₆ NO ₈ P M _r 706.00 [54285-58-4] puriss. M.P. 180-181°	250 mg 25. —	1 g 200. —
42561			
	L-β,γ-Dipalmitoyl-α-phosphatidic acid Disodium salt (1,2-Dipalmitoyl-sn-glycero-3-phosphate Disodium salt) C ₃₈ H ₆₇ Na ₂ O ₈ P M _r 692.87 [7091-44-3] (free acid) purum M.P. ~155° dec.	250 mg 85. —	1 g 300. —
41807			

			sFr.	sFr.
41808	DL-β,γ-Dipalmitoyl-α-phosphatidic acid Disodium salt (rac-1,2-Dipalmitoyl-glycero-3-phosphate Disodium salt) $C_{36}H_{67}Na_2O_8P$ M_r 692.87 [5129-68-0] (free acid) puriss. M.P. ~150-155° dec.		250 mg 63. —	1 g 225. —
42560	Dipentene [(±)-Limonene] 3/3; 42° $CH_2CH:C(CH_3)CH_2CH_2CHC(:CH_2)CH_3$ $C_{10}H_{16}$ M_r 136.24 [138-86-3] techn. B.P. 170-180°; n_D^{20} 1.473; for use as a solvent for paint industry		1 lt ≈ 0.86 kg	1 lt 11. — 5 lt 44. —
42640	2,2-Dipentoxyp propane (Acetone dipentyl acetal) 3/4; 85° $(CH_3)_2C[O(CH_2)_4CH_3]_2$ $C_{13}H_{26}O_2$ M_r 216.37 [10076-57-0] purum B.P. 105-107°; d_4^{20} 0.836; n_D^{20} 1.420		1 lt ≈ 0.84 kg	25 ml 14. — 100 ml 50. —
42590	Dipentylamine purum ~99% (GC); B.P. 80-82°; d_4^{20} 0.776; n_D^{20} 1.428 8/35; 66° $[CH_3(CH_2)_4]_2NH$ $C_{10}H_{23}N$ M_r 157.30 [2050-92-2]		1 lt ≈ 0.78 kg	25 ml 18. — 100 ml 65. —
	Dipentylcarbinol see 94080 6-Undecanol			
	Di-tert-pentyl dicarbonate see 33425 Di-tert-amyl dicarbonate			
	Dipentyl ether see 42570 Pentyl ether			
	Dipentyl ketone see 42630 6-Undecanone			
42670	Diphenic acid purum >98% (T); M.P. 227-230° (Biphenyl-2,2'-dicarboxylic acid) $HOOC C_6H_4 C_6H_4 COOH$ $C_{14}H_{10}O_4$ M_r 242.23 [482-05-3]		25 g 11. —	100 g 38. —
	2,2'-Diphenol see 37620 2,2'-Dihydroxybiphenyl			
	"Diphenolic acid" see 14950 4,4-Bis-(4-hydroxyphenyl)-n-valeric acid			
42680	Diphenylacetaldehyde $(C_6H_5)_2CHCHO$ $C_{14}H_{12}O$ M_r 196.25 [947-91-1] purum ~97% (GC); B.P. 191-193° (Lit.); d_4^{20} 1.096; n_D^{20} 1.589		1 lt ≈ 1.10 kg	10 ml 15. — 50 ml 63. —
43000	Diphenylacetic acid $(C_6H_5)_2CHCOOH$ $C_{14}H_{12}O_2$ M_r 212.25 [117-34-0] purum >98% (T); M.P. 145-148°; Ash <0.1%; 1 g clearly soluble in 10 ml Methanol		100 g 16. —	500 g 67. —
	1,3-Diphenylacetone see 33790 1,3-Diphenyl-2-propanone			
42690	Diphenylacetonitrile purum M.P. 72-74° $(C_6H_5)_2CHCN$ $C_{14}H_{11}N$ M_r 193.25 [86-29-3]		100 g 18. —	500 g 75. —
42700	Diphenylacetylene (Tolan) $C_6H_5C:CC_6H_5$ $C_{14}H_{10}$ M_r 178.24 [501-65-5] puriss. for Scintillation; ~99% (UV); M.P. 59-60°; λ_{max} 278 nm, log ϵ 4.5; store in refrigerator		5 g 18. —	25 g 75. —
42710	2,3-Diphenylacrylonitrile purum M.P. 84-86° (α -Phenylcinnamionitrile) 6.1/21 $C_6H_5CH:C(C_6H_5)CN$ $C_{15}H_{11}N$ M_r 205.26 [2510-95-4]		50 g 29. —	
42750	Diphenylamine 8/35 $(C_6H_5)_2NH$ $C_{12}H_{11}N$ M_r 169.23 [122-39-4] puriss. p.a.; Redox-Indicator Fluka-Guarantee: >99% (N); M.P. 53-55°; Residue on Ignition (as Sulfate) <0.05%; Test for absence of Nitrates: 1 drop HCl and 0.005 g Diphenylamine when added to a mixture of 6 ml H_2SO_4 and 2 ml H_2O and cooled to 50°C does not result in a blue color; Sensitivity test: above solution becomes blue with 0.004 mg $NaNO_3$ after 3 minutes		100 g 10. —	500 g 37. —
42761	pract. ~95% (NT); M.P. 50-53°		250 g 7. —	1 kg 18. —
	Diphenylamine-2-carboxylic acid see 78150 N-Phenylantranilic acid			
42770	Diphenylamine-4-sulfonic acid Barium salt $(C_6H_5)NHC_6H_4SO_3)_2Ba$ $C_{24}H_{20}BaN_2O_6S_2$ M_r 633.90 [6211-24-1] p.a. for NO_3^- -Determination; Redox-Indicator		5 g 20. —	25 g 85. —
42780	Diphenylamine-4-sulfonic acid Sodium salt p.a. Redox-Indicator $C_6H_5NHC_6H_4SO_3Na$ $C_{12}H_{10}NNaO_3S$ M_r 271.27 [30582-09-3]		10 g 20. —	50 g 85. —
	1,4-Diphenylbenzene see 86470 p-Terphenyl			



			sFr.	sFr.
42790	N,N'-Diphenylbenzidine (sym.) purum p.a. M.P. 244-246°; Redox-Indicator $C_6H_5NHC_6H_4C_6H_4NHC_6H_5$ $C_{24}H_{20}N_2$ M_r 336.44 [531-91-9]		10 g 35. —	50 g 145. —
	1,3-Diphenyl-2-benzofuran see 43092 1,3-Diphenylisobenzofuran			
	Diphenylboric acid 2-aminoethyl ester see 42810 2-Aminoethyl diphenylborinate			
	trans,trans-1,4-Diphenyl-1,3-butadiene (PPB; β,β' -Bistyril) $C_6H_5CH:CHCH:CHC_6H_5$ $C_{18}H_{14}$ M_r 206.29 [886-65-7]			
42820	puriss. for Scintillation $\sim 98\%$ (HPLC); M.P. 152-153°; λ_{max} 330 nm, $\log \epsilon$ 4.73		10 g 22. —	50 g 90. —
	Diphenylcarbamoil chloride (Chloroformic acid diphenylamide) 6.1/21b $(C_6H_5)_2NCOCI$ $C_{13}H_{10}ClNO$ M_r 231.68 [83-01-2]			
42849	puriss. biochim. $\sim 99\%$ (CI); M.P. 85-86°; For specific inactivation of Chymotrypsin: B. F. Erlanger, A. G. Copper, W. Cohen, Biochemistry 5, 190 (1966)		25 g 14. —	100 g 50. —
42850	purum $>98\%$ (CI); M.P. 83-85°		100 g 25. —	500 g 105. —
	sym.-Diphenylcarbazide $C_6H_5NHNHCONHNHC_6H_5$ $C_{13}H_{14}N_4O$ M_r 242.28 [140-22-7]			
42860	purum p.a. M.P. 171-173°; determination of: Cd, Cr, Mg, SO_4^{2-} and others		25 g 12. —	100 g 50. —
	Diphenylcarbazone $C_6H_5NHNHCON:NC_6H_5$ $C_{13}H_{12}N_4O$ M_r 240.27 [538-62-5]			
42870	puriss. p.a. $\sim 98\%$ (HPLC); Determination: Hg, Pb, Zn; Detection: Cd, Cr, Cu, Fe, Hg, Mo; Mikrochim. Acta 788 (1971); Spectrophotometric determination of Ruthenium(III)		5 g 16. —	25 g 67. —
42871	p.a.	5 g 8. —	10 g 13. —	50 g 55. —
	Diphenyl carbinol (Benzhydrol; Diphenylmethanol) $(C_6H_5)_2CHOH$ $C_{13}H_{12}O$ M_r 184.24 [91-01-0]			
42880	puriss. $>99\%$ (GC); M.P. 65-67°	25 g 7. —	100 g 14. —	500 g 60. —
42900	Diphenyl carbonate puriss. $>99\%$ (GC); M.P. 79-80° $(C_6H_5O)_2CO$ $C_{13}H_{10}O_3$ M_r 214.22 [102-09-0]		250 g 9. —	1 kg 28. —
	Diphenylchloromethane see 24482 Chlorodiphenylmethane			
	Diphenyl chlorophosphate see 79360 Diphenyl phosphoryl chloride			
42910	Diphenylcyclopropanone purum M.P. 120-122° $C_6H_5C:C(C_6H_5)CO$ $C_{15}H_{10}O$ M_r 206.25 [886-38-4]		1 g 16. —	5 g 67. —
	Diphenyldiazomethane precursor see 12755 Benzophenone hydrazone			
	Diphenyldichlorosilane (Dichlorodiphenylsilane) 8/23b $(C_6H_5)_2SiCl_2$ $C_{12}H_{10}Cl_2Si$ M_r 253.21 [80-10-4]			
42920	puriss. $\sim 99\%$ (GC); B.P. _{0.5} 131-133°; d_4^{20} 1.220; n_D^{20} 1.582	1 lt $\approx$ 1.22 kg	25 ml 14. —	100 ml 50. —
42930	pract. $>95\%$ (GC); B.P. _{0.5} 131-133°; d_4^{20} 1.22; n_D^{20} 1.581	1 lt $\approx$ 1.22 kg	250 ml 22. —	1 lt 80. —
	4,5-Diphenyl-1,3-dioxol-2-one see 43366 1,2-Diphenylvinylene carbonate			
	Diphenyl diselenide (Phenyl diselenide) 6.1/81f $C_6H_5SeSeC_6H_5$ $C_{12}H_{10}Se_2$ M_r 312.13 [1666-13-3]			
42944	pract. $\sim 97\%$ (GC); M.P. 59-61°; The most important phenylselenylating agent: K. B. Sharpless, M. W. Young, J. Org. Chem. 40, 947 (1975); H. J. Reich, J. M. Renga, I. L. Reich, J. Am. Chem. Soc. 97, 5434 (1975); Review: D. L. J. Clive, Tetrahedron 34, 1049 (1978)		10 g 32. —	50 g 135. —
	Diphenyl disulfide see 42960 Phenyl disulfide			
	1,4-Diphenyl-3,5-endanilodihydrotriazole see 73490 Nitron			
	Diphenylene oxide see 42980 Dibenzofuran			
	Diphenylene sulfide see 42990 Dibenzothiophene			
	Diphenyl ether see 42730 Phenyl ether			
	1,2-Diphenylethylamine (1-Amino-1,2-diphenyl-ethane) $C_6H_5CH_2CH(NH_2)C_6H_5$ $C_{14}H_{15}N$ M_r 197.28 [3963-62-0]			
07890	pract. $>97\%$ (GC); B.P. ₁₁ 165° (Lit.); d_4^{20} 1.037; n_D^{20} 1.581	1 lt $\approx$ 1.04 kg	50 ml 20. —	
	1,1-Diphenylethylene (asym.) $(C_6H_5)_2C:CH_2$ $C_{14}H_{12}$ M_r 180.25 [530-48-3]			
42740	purum $>98\%$ (GC); B.P. 270-275° (Lit.); d_4^{20} 1.024; n_D^{20} 1.608	1 lt $\approx$ 1.02 kg	5 ml 16. —	25 ml 67. — 100 ml 240. —

		sFr.	sFr.
	trans-1,2-Diphenylethylene see 85870 trans-Stilbene		
43020	N,N'-Diphenylformamidine pract. ~97%(NT); M.P. 136-139° $C_6H_5NHCH:NC_6H_5$ $C_{13}H_{12}N_2$ M_r 196.25 [622-15-1]	25 g 9.—	100 g 30.—
	Diphenylglycolic acid see 12190 Benzilic acid		
12170	Diphenylglyoxime (Benzil dioxime) $C_6H_5C(:NOH)C(:NOH)C_6H_5$ $C_{14}H_{12}N_2O_2$ M_r 240.26 [23873-81-6] puriss. p.a. ~99%(N); M.P. 237-240° dec.; Determination: Ni; Detection: Ni, Pd	10 g 12.—	50 g 50.—
43030	N,N'-Diphenylguanidine (sym.) $(C_6H_5NH)_2C:NH$ $C_{13}H_{13}N_3$ M_r 211.27 [102-06-7] purum ~98%(NT); M.P. 146-148°; 1 g clearly soluble in 10 ml Methanol	250 g 10.—	1 kg 35.—
43050	1,6-Diphenyl-1,3,5-hexatriene (DPH; Dicinnamyl) $C_6H_5(CH:CH)_3C_6H_5$ $C_{18}H_{16}$ M_r 232.33 [1720-32-7] puriss. for Scintillation; ~99%(HPLC); M.P. 201-202°; 1 g clearly soluble in 100 ml Chloroform	1 g 22.—	5 g 90.—
43070	5,5-Diphenylhydantoin $NHCONHCO_2(C_6H_5)_2$ $C_{15}H_{12}N_2O_2$ M_r 252.28 [57-41-0] purum ~98%(N); M.P. 293-295°; 1 g clearly soluble in 100 ml water	100 g 12.—	500 g 50.—
	N,N'-Diphenylhydrazine see 53920 Hydrazobenzene		
43080	1,1-Diphenylhydrazine hydrochloride (asym.) pract. >98%(Cl); M.P. 162-165° dec. $(C_6H_5)_2NNH_2 \cdot HCl$ $C_{12}H_{12}N_2 \cdot HCl$ M_r 220.70 [530-47-2]	10 g 13.—	50 g 55.—
43088	Diphenyliodonium chloride $(C_6H_5)_2I^+Cl^-$ $C_{12}H_{10}ClI$ M_r 316.57 [1483-72-3] purum >99%(Cl); M.P. 220-230° dec.	5 g 32.—	25 g 135.—
43092	1,3-Diphenylisobenzofuran purum M.P. 124-126° (1,3-Diphenyl-2-benzofuran) $C_{20}H_{14}O$ M_r 270.33 [5471-63-6]	5 g 50.—	
	Diphenyl ketone see 12750 Benzophenone		
43095	Diphenylmaleic anhydride $O_2C(C_6H_5):C(C_6H_5)COO$ $C_{16}H_{10}O_3$ M_r 250.24 [4808-48-4] purum ~98%(C,H-Analysis); M.P. 153-157°; Diphenylmaleyl (DPM) is a protecting group for amine functions in carbohydrates and steroids. DMP derivatives are yellow and fluorescent and can be easily determined. U. Zehavi, J. Org. Chem. 42, 2819 (1977)	5 g 20.—	25 g 85.—
43280	Diphenylmercury purum >96%(HPLC); M.P. 122-124° (Mercurydiphenyl) 6.1/81f $(C_6H_5)_2Hg$ $C_{12}H_{10}Hg$ M_r 354.80 [587-85-9]	10 g 13.—	50 g 55.—
43100	Diphenylmethane purum >99%(GC); M.P. 24-26° (Benzylbenzene) $(C_6H_5)_2CH_2$ $C_{13}H_{12}$ M_r 168.24 [101-81-5]	1 lt ≈ 1.01 kg 250 ml 11.—	1 lt 38.—
	Diphenylmethanol see 42880 Diphenylcarbinol		
43110	4-Diphenylmethoxy-1-methylpiperidine hydrochloride ("Diphenylpyralin" hydrochloride; 1-Methyl-4-piperidyl benzhydryl ether hydrochloride) $(C_6H_5)_2CHOCHCH_2CH_2N(CH_3)CH_2CH_2 \cdot HCl$ $C_{19}H_{23}NO \cdot HCl$ M_r 317.86 [132-18-3] purum >98%(Cl); M.P. 200-205°	10 g 25.—	50 g 105.—
	Diphenylmethoxyphosphine see 64955 Methoxydiphenylphosphine		
	Diphenylmethylphospine see 66642 Methylidiphenylphosphine		
	2,5-Diphenyl-3-(1-naphthyl)tetrazolium chloride see 88193 Tetrazolium Violet		
43131	2,5-Diphenyl-1,3,4-oxadiazole (PPD) $QC(C_6H_5):NN:CC_6H_5$ $C_{14}H_{10}N_2O$ M_r 222.25 [725-12-2] puriss. for Scintillation; >99%(UV); M.P. 139-140°; 1 g clearly soluble in 10 ml Chloroform	5 g 32.—	25 g 135.—
43140	2,5-Diphenyloxazole (PPO) $QC(C_6H_5):CHN:CC_6H_5$ $C_{15}H_{11}NO$ M_r 221.26 [92-71-7] puriss. for Scintillation; M.P. 72-73°; λ_{max} 303 nm, log ϵ 4.44	25 g 17.—	100 g 60.— 500 g 250.—
	Diphenyl oxide see 42730 Phenyl ether		
	4,7-Diphenyl-1,10-phenanthroline see 11880 Bathophenanthroline		

				sFr.	sFr.
	N,N'-Diphenyl-p-phenylenediamine (sym.)				
	$\text{C}_6\text{H}_5\text{NHC}_6\text{H}_4\text{NHC}_6\text{H}_5$ $\text{C}_{18}\text{H}_{16}\text{N}_2$ M_r 260.34 [74-31-7]				
43148	purum >97%(NT); M.P. 143-145°; store in refrigerator			100 g	40. —
43150	pract. >90%(NT); M.P. 130-140°; Antioxidant; Ash <2%			250 g	18. —
	Diphenylphosphinous chloride see 24485 P-Chlorodiphenylphosphine				
43155	Diphenyl phosphite pract. d_4^{20} 1.217; n_D^{20} 1.558	1 lt $\approx$ 1.22 kg	500 ml 21. —		
	6.1/81a $(\text{C}_6\text{H}_5\text{O})_2\text{POH}$ $\text{C}_{12}\text{H}_{11}\text{O}_3\text{P}$ M_r 234.19 [4712-55-4]				
	Diphenyl phosphoryl azide (DPPA; Phosphoric acid diphenyl ester azide)				
	$(\text{C}_6\text{H}_5\text{O})_2\text{P}(\text{O})\text{N}_3$ $\text{C}_{12}\text{H}_{10}\text{N}_3\text{O}_3\text{P}$ M_r 275.21 [26386-88-9]				
79627	pract. B.P. _{0.17} 157° (Lit.); d_4^{20} 1.273; n_D^{20} 1.551; Versatile reagent with unique applications in organic synthesis: Y. Yokoyama, T. Shiori, S. Yamada, Chem. Pharm. Bull. 25, 2423 (1977) and ref. cited therein			1 lt $\approx$ 1.27 kg	10 ml 20. — 50 ml 67. —
	Diphenyl phosphoryl chloride (Diphenyl chlorophosphate; Phenyl phosphorochloridate)				
79630	8/22 $(\text{C}_6\text{H}_5\text{O})_2\text{POCl}$ $\text{C}_{12}\text{H}_{10}\text{ClO}_3\text{P}$ M_r 268.64 [2524-64-3]	1 lt $\approx$ 1.30 kg	25 ml 16. —	100 ml 55. —	
	purum >97%(Cl); B.P. ₁ 145-148°; d_4^{20} 1.297; n_D^{20} 1.550				
43165	trans-2,3-Diphenyl-1-phthalimidoaziridine purum M.P. 174-176°		5 g 32. —	25 g 135. —	
	$\text{C}_{22}\text{H}_{16}\text{N}_2\text{O}_2$ M_r 340.38 [33474-61-2]				
43170	1,1-Diphenyl-2-picrylhydrazine purum $\sim$ 98%(N); M.P. $\sim$ 174° dec.		1 g 13. —	5 g 55. —	
	$(\text{C}_6\text{H}_5)_2\text{NNHC}_6\text{H}_2(\text{NO}_2)_3$ $\text{C}_{18}\text{H}_{13}\text{N}_5\text{O}_6$ M_r 395.34 [1707-75-1]				
43180	2,2-Diphenyl-1-picrylhydrazyl purum M.P. $\sim$ 135° dec.		1 g 13. —	5 g 55. —	
	$(\text{C}_6\text{H}_5)_2\text{NN}.\text{C}_6\text{H}_2(\text{NO}_2)_3$ $\text{C}_{18}\text{H}_{12}\text{N}_5\text{O}_6$ M_r 394.33 [1898-66-4]				
43181	2,2-Diphenylpropane purum $\sim$ 98%(GC); M.P. 26-28°; B.P. _{0.1} 74-75°		5 g 21. —	25 g 90. —	
	$(\text{CH}_3)_2\text{C}(\text{C}_6\text{H}_5)_2$ $\text{C}_{15}\text{H}_{16}$ M_r 196.30 [778-22-3]				
	1,3-Diphenyl-1,3-propanedione see 33570 Dibenzoylmethane				
	1,3-Diphenyl-2-propanone (Dibenzyl ketone; 1,3-Diphenylacetone)				
	$(\text{C}_6\text{H}_5\text{CH}_2)_2\text{CO}$ $\text{C}_{15}\text{H}_{14}\text{O}$ M_r 210.28 [102-04-5]				
33790	purum >98%(GC); M.P. 32-34°; store in refrigerator			100 g 22. —	500 g 90. —
	1,3-Diphenyl-2-propen-1-one see 11970 Benzalacetophenone				
43220	3,3-Diphenylpropionic acid purum >98%(T); M.P. 151-154°; Ash $\sim$ 0.3%		25 g 17. —	100 g 60. —	
	$(\text{C}_6\text{H}_5)_2\text{CHCH}_2\text{COOH}$ $\text{C}_{15}\text{H}_{14}\text{O}_2$ M_r 226.28 [606-83-7]				
	"Diphenylpyralin"-hydrochloride see 43110 4-Diphenylmethoxy-1-methylpiperidine hydrochloride				
	5,6-Diphenyl-3-(2-pyridyl)-1,2,4-triazine-4,4'-disulfonic acid di-Sodium trihydrate see 82950 3-(2-Pyridyl)-5,6-diphenyl-1,2,4-triazine-4,4'-disulfonic acid Disodium salt				
	Diphenyl sulfide see 43320 Phenyl sulfide				
	S,S-Diphenylsulfilimine				
	$(\text{C}_6\text{H}_5)_2\text{S}:\text{NH}.\text{H}_2\text{O}$ $\text{C}_{12}\text{H}_{11}\text{NS}.\text{H}_2\text{O}$ M_r 219.31 [36744-90-8]				
43325	purum >97%(NT); M.P. 53-55°; $\text{H}_2\text{O} \sim$ 1%			1 g 12. —	5 g 50. —
	Diphenyl sulfone see 43330 Phenyl sulfone				
	Diphenylsulfourea see 43350 N,N'-Diphenylthiourea				
	Diphenyl sulfoxide see 43335 Phenyl sulfoxide				
86446	Diphenyl terephthalate purum M.P. 192-194°		25 g 13. —	100 g 45. —	
	$\text{C}_6\text{H}_4(\text{COOC}_6\text{H}_5)_2$ $\text{C}_{20}\text{H}_{14}\text{O}_4$ M_r 318.33 [1539-04-4]				
	1,3-Diphenyl-1,1,3,3-tetramethyl disilazane				
	$\text{C}_6\text{H}_5\text{Si}(\text{CH}_3)_2\text{NHSi}(\text{CH}_3)_2\text{C}_6\text{H}_5$ $\text{C}_{16}\text{H}_{23}\text{NSi}_2$ M_r 285.54 [3449-26-1]				
43340	purum >97%(GC); B.P. _{0.4} 128° (Lit.); d_4^{20} 0.985; n_D^{20} 1.538			1 lt $\approx$ 0.99 kg	10 ml 40. —
	Diphenyl tetrazolium bromide see 88415 Thiazolyl Blue Tetrazolium bromide				
	Diphenylthiocarbazon see 43820 Dithizone				
	N,N'-Diphenylthiourea (sym.) (Diphenylsulfourea; Thiocarbanilide)				
	$(\text{C}_6\text{H}_5\text{NH})_2\text{CS}$ $\text{C}_{13}\text{H}_{12}\text{N}_2\text{S}$ M_r 228.32 [102-08-9]				
43350	purum >98%(S); M.P. 150-153°			250 g 9. —	1 kg 28. —

					sFr.	sFr.
43355	Diphenyl-4-tolylphosphine pract. 6.1/81a $\text{CH}_3\text{C}_6\text{H}_4\text{P}(\text{C}_6\text{H}_5)_2$ $\text{C}_{19}\text{H}_{17}\text{P}$ M_r 276.32 [7650-91-1]				25 g 26. —	100 g 95. —
43040	N,N'-Diphenylurea (sym.) pract. ~98% (N); M.P. 238-240° (Carbanilide) $(\text{C}_6\text{H}_5\text{NH})_2\text{CO}$ $\text{C}_{13}\text{H}_{12}\text{N}_2\text{O}$ M_r 212.25 [102-07-8]				250 g 14. —	1 kg 50. —
43366	1,2-Diphenylvinylene carbonate (4,5-Diphenyl-1,3-dioxol-2-one) $\text{C}_6\text{H}_5\text{C}(\text{C}_6\text{H}_5)\text{OCOQ}$ $\text{C}_{15}\text{H}_{10}\text{O}_3$ M_r 238.24 [21240-34-6] purum >98% (C, H-Analysis); M.P. 75-77°; "Protecting group reagent which masks both hydrogens of a primary amino function"; J. C. Sheehan, F. S. Guziec, J. Org. Chem. 38, 3034 (1973)				5 g 24. —	25 g 100. —
	Diphosphopyridinenucleotide see 43410 β -Nicotinamide-adenine-dinucleotide, β -NAD					
	Diphosphopyridinenucleotide reduced Disodium salt see 43420 β -Nicotinamide-adenine-dinucleotide Disodium salt reduced, β -NADH ₂ -Na ₂					
	Diphthalimido sulfate see 88522 N,N'-Thiobisphthalimide					
	" Dipicolinic acid " see 82790 Pyridine-2,6-dicarboxylic acid					
	Dipicrylamine see 43450 2,2',4,4',6,6'-Hexanitrodiphenylamine					
43455	1,2-Dipiperidinoethane >95° $\text{CH}_2(\text{CH}_2)_4\text{NCH}_2\text{CH}_2\text{N}(\text{CH}_2)_4\text{CH}_2$ $\text{C}_{12}\text{H}_{24}\text{N}_2$ M_r 196.34 [1932-04-3] purum >99% (GC); B.P. 263-266°; d_4^{20} 0.920; n_D^{20} 1.488			1 lt $\approx$ 0.92 kg	100 ml 30. —	
43453	Dipiperidinomethane 3/4; 75° $\text{CH}_2(\text{CH}_2)_4\text{NCH}_2\text{N}(\text{CH}_2)_4\text{CH}_2$ $\text{C}_{11}\text{H}_{22}\text{N}_2$ M_r 182.31 [880-09-1] purum >99% (GC); M.P. -5--3°; B.P. 236-238°; d_4^{20} 0.915; n_D^{20} 1.483			1 lt $\approx$ 0.92 kg	50 ml 18. —	250 ml 75. —
	Dipivaloylmethane see 87851 2,2,6,6-Tetramethyl-3,5-heptanedione					
43480	Dipropylamine 3/5; 7° $(\text{CH}_3\text{CH}_2\text{CH}_2)_2\text{NH}$ $\text{C}_6\text{H}_{15}\text{N}$ M_r 101.19 [142-84-7] puriss. p.a. >99.5% (GC); B.P. 108-110°; d_4^{20} 0.738; n_D^{20} 1.405			1 lt $\approx$ 0.74 kg	100 ml 8. —	500 ml 26. —
43490	purum ~99% (GC); d_4^{20} 0.744; n_D^{20} 1.405			1 lt $\approx$ 0.74 kg	250 ml 7. —	1 lt 20. —
	Dipropyl carbinol see 51830 4-Heptanol					
	Dipropyl disulfide see 43550 Propyl disulfide					
43560	Dipropylene glycol [Bis(2-hydroxypropyl) ether] $\text{C}_6\text{H}_{14}\text{O}_3$ M_r 134.18 [110-98-5] techn. B.P. 90-95°; d_4^{20} 1.022; n_D^{20} 1.441; mixture of isomers			1 lt $\approx$ 1.02 kg	1 lt 11. —	5 lt 44. —
	Dipropyl ether see 43460 Propyl ether					
	Dipropyl ketone see 43570 4-Heptanone					
	Dipropyl sulfide see 43590 Propyl sulfide					
	Dipropyl sulfone see 43600 Propyl sulfone					
	Dipterine see 69540 N _w -Methyltryptamine					
14454	2,2'-Dipyridyl (2,2'-Bipyridine) $\text{N}:\text{CHCH}:\text{CHCH}:\text{C}\text{C}:\text{CHCH}:\text{CHCH}:\text{N}$ $\text{C}_{10}\text{H}_8\text{N}_2$ M_r 156.19 [366-18-7] puriss. p.a. >99% (NT); M.P. 69-71°; Ash <0.05%; λ_{max} 280 nm, log ϵ 4.13; for colorimetric determination of Fe; Redox-Indicator			5 g 7. —	25 g 24. —	100 g 90. —
14453	pract. ~95% (NT); M.P. 68-71°				25 g 14. —	100 g 50. —
14457	2,3'-Dipyridyl purum (2,3'-Bipyridine) $\text{N}:\text{CHCH}:\text{CHCH}:\text{C}\text{C}:\text{CHN}:\text{CHCH}:\text{CH}$ $\text{C}_{10}\text{H}_8\text{N}_2$ M_r 156.19 [581-50-0]			1 lt $\approx$ 1.14 kg	5 ml 18. —	25 ml 75. —
14458	2,4'-Dipyridyl purum (2,4'-Bipyridine) $\text{CH}:\text{CHN}:\text{CHCH}:\text{C}\text{C}:\text{CHCH}:\text{CHCH}:\text{CHN}$ $\text{C}_{10}\text{H}_8\text{N}_2$ M_r 156.19 [581-47-5]				5 g 18. —	25 g 75. —
14455	4,4'-Dipyridyl (4,4'-Bipyridine) $\text{CH}:\text{CHN}:\text{CHCH}:\text{C}\text{C}:\text{CHCH}:\text{NCH}:\text{CH}$ $\text{C}_{10}\text{H}_8\text{N}_2$ M_r 156.19 [553-26-4] purum anhydrous >99% (NT); M.P. 109-112°; H ₂ O <1%				5 g 13. —	25 g 55. —
43650	2,2'-Dipyridylamine purum >98% (NT); M.P. 90-93° $\text{N}:\text{CHCH}:\text{CHCH}:\text{CNH}\text{C}:\text{CHCH}:\text{CHCH}:\text{N}$ $\text{C}_{10}\text{H}_9\text{N}_3$ M_r 171.20 [1202-34-2]				25 g 21. —	100 g 75. —
14456	4,4'-Dipyridyl Dihydrate purum M.P. 68-71° $\text{CH}:\text{CHN}:\text{CHCH}:\text{C}\text{C}:\text{CHCH}:\text{NCH}:\text{CH} \cdot 2\text{H}_2\text{O}$ $\text{C}_{10}\text{H}_8\text{N}_2 \cdot 2\text{H}_2\text{O}$ M_r 192.22 [553-26-4]				5 g 9. —	25 g 35. —

		sFr.	sFr.
	2,2'- and 4,4'-Dipyridyl disulfide see 43791 and 43794 2,2'- and 4,4'-Dithiodipyridine		
43640	1,2-Di(4-pyridyl)ethylene purum >98% (N); M.P. 150-152° [1,2-Bis(4-pyridyl)ethylene] CH:CHN:CHCH:CHCH:CHCH:NCH:CH C ₁₂ H ₁₀ N ₂ M _r 182.23 [1135-32-6]	5 g 29. —	
43652	2,2'-Dipyridyl ketone purum N:CHCH:CHCH:CCOCH:CHCH:CHCH:N C ₁₁ H ₈ N ₂ O M _r 184.20 [19437-26-4]	10 g 22. —	50 g 90. —
	2,6-Di(3-pyridyl)-pyridine see 86495 3,2':6',3"-Terpyridine		
	2,6-Di(4-pyridyl)-pyridine see 86498 4,2':6',4"-Terpyridine		
	1,4-Dipyrrolidino-2-butyne dihydrochloride see 90230 Tremorine dihydrochloride		
	2,2'-Diquinolyl see 35020 2,2'-Biquinoline		
43670	N,N'-Disalicylidene-1,3-diamino-propane purum M.P. 51-53° CH ₂ (CH ₂ N:CHC ₆ H ₄ OH) ₂ C ₁₇ H ₁₈ N ₂ O ₂ M _r 282.34 [120-70-7]	25 g 22. —	100 g 80. —
	Di-SNADNS see 43690 2,7-Bis-(4-sulfo-1-naphthylazo)-1,8-dihydroxynaphthalene-3,6-disulfonic acid Tetrasodium salt		
	Disodium cyanamide see 71410 di-Sodiumcyanamide		
	Disodium phosphate see 71640 di-Sodium hydrogen phosphate anhydrous		
43696	D-α,β-Distearin [1,2-Distearoyl-sn-glycerol; (S)-Glycerol 1,2-distearate] C ₃₈ H ₇₆ O ₅ M _r 625.04 [1429-59-0] purum ~97% (GC); M.P. 72-74°; [α] _D ²⁰ + 1.4 ± 0.2° (c = 10 in CHCl ₃ /CH ₃ OH 9:1)	250 mg 35. —	1 g 130. —
43697	DL-α,β-Distearin (rac-1,2-Distearoylglycerol; rac-Glycerol 1,2-distearate) C ₃₈ H ₇₆ O ₅ M _r 625.04 [51063-97-9] puriss. CHR >99% (GC); M.P. 72-74°	250 mg 35. —	1 g 130. —
43695	L-β,γ-Distearoyl-α-cephalin (1,2-Distearoyl-sn-glycero-3-phosphorylethanolamine) C ₄₁ H ₈₂ NO ₈ P M _r 748.08 [1069-79-0] puriss. ~99% (GC, after transesterification); M.P. 183-185°; [α] _D ²⁰ + 5.5 ± 0.5° (c = 1 in CHlf.)	100 mg 38. —	1 g 300. —
	1,2-Distearoyl-sn-glycerol see 43696 D-α,β-Distearin		
	rac-1,2-Distearoylglycerol see 43697 DL-α,β-Distearin		
43698	L-β,γ-Distearoyl-α-lecithin (1,2-Distearoyl-sn-glycero-3-phosphorylcholine) C ₄₄ H ₈₈ NO ₈ P M _r 790.17 [18605-43-5] puriss. ~99% (GC, after transesterification); M.P. 240-243°; [α] _D ²⁰ + 7.5 ± 0.5° (c = 4.2 in CHCl ₃ /CH ₃ OH 9:1)	250 mg 63. —	1 g 225. —
	Distearylamine see 42360 Dioctadecylamine		
	Disulfine Blue see 76270 Patent Blue V		
	DITC see 78480 1,4-Phenylenediisothiocyanate		
43745	1,3-Dithiane purum >97% (S); M.P. 52-54°; Review: S. Seebach, Synthesis 17 (1969) 6.1/81a S(CH ₂) ₃ SCH ₂ C ₄ H ₈ S ₂ M _r 120.24 [505-23-7]	10 g 32. —	50 g 135. —
	1,4-Dithiane-2,5-diol see 37685 2,5-Dihydroxy-1,4-dithiane		
	3,3'-Dithiobis(2-aminopropionic acid) see 30200, 30210 and 30231 L-, D- and meso-Cystine		
	2,2'-Dithiobis(ethylamine) dihydrochloride see 30050 Cystamine dihydrochloride		
43760	5,5'-Dithio-bis(2-nitrobenzoic acid) (3,3'-6) [Bis(3-carboxy-4-nitrophenyl) disulfide; 3-Carboxy-4-nitrophenyl disulfide; Ellman's Reagent] HOOC-C ₆ H ₃ (NO ₂)SSC ₆ H ₃ (NO ₂)COOH C ₁₄ H ₈ N ₂ O ₈ S ₂ M _r 396.36 [69-78-3] puriss. biochim. >98% (T); M.P. ~240° dec.; Ash <0.1%; For the modification and quantitative detection of sulfhydryl groups: G. L. Ellman, Arch. Biochem. Biophys. 82, 70-77 (1959); A. E. Chung, J. S. Ranzen and J. E. Braginski, Biochemistry 10, 2872 (1971); A. A. Kortt and T. Y. Lin, Biochemistry 12, 320 (1973)	1 g 9. —	5 g 24. — 25 g 85. —
43761	2,2'-Dithiodibenzoic acid [Bis(2-carboxyphenyl) disulfide; 2-Carboxyphenyl disulfide; Dithiosalicyclic acid] HOOC-C ₆ H ₄ SSC ₆ H ₄ COOH C ₁₄ H ₁₀ O ₄ S ₂ M _r 306.36 [527-89-9] pract. ~90-95% (NT); M.P. 288-293°; Ash 1-3%	100 g 15. —	500 g 63. —

			sFr.	sFr.
43770	4,4'-Dithiodibutyric acid pract. >95%(T); M.P. 108-110° [Bis-(3-carboxypropyl)disulfide] HOCOCH ₂ CH ₂ CH ₂ SSCH ₂ CH ₂ CH ₂ COOH C ₈ H ₁₄ O ₄ S ₂ M _r 238.33 [2906-60-7]		25 g 17.—	
43788	3,3'-Dithiodipropionic acid [Bis(2-carboxyethyl) disulfide; 2-Carboxyethyl disulfide] 8/21 HOCOCH ₂ CH ₂ SSCH ₂ CH ₂ COOH C ₆ H ₁₀ O ₄ S ₂ M _r 210.27 [1119-62-6] purum >99%(T); M.P. 155-156°		250 g 26.—	
43789	3,3'-Dithiodipropionic acid bis(N-hydroxysuccinimide ester) [3,3'-Dithiobis(N-succinimidyl propionate); Lomant's Reagent] COCH ₂ CH ₂ CONOCOCH ₂ CH ₂ SSCH ₂ CH ₂ COONCOCH ₂ CH ₂ CO C ₁₄ H ₁₆ N ₂ O ₈ S ₂ M _r 404.42 [57757-57-0] puriss. biochim. >99%(S); M.P. 131-133°; store in refrigerator; Cleavable cross-linking reagent: A. J. Lomant, G. Fairbanks, J. Mol. Biol. 104, 243 (1976); A. d'Albis, W. Gratzer, J. Biol. Chem. 251, 2825 (1976); P. D. Bragg, C. Hou, Biochem. Biophys. Res. Commun. 72, 1042 (1976)		1 g 20.—	5 g 85.—
43791	2,2'-Dithiodipyridine (2,2'-Dipyridyl disulfide) 6.1/81a N:CHCH:CHCH:CSSC:CHCH:CHCH:N C ₁₀ H ₈ N ₂ S ₂ M _r 220.32 [2127-03-9] puriss. biochim. ~99%(GC); M.P. 57-58°; For the determination of sulfhydryl groups in biological materials; D. R. Grassetti and J. F. Murray jr., Arch. Biochem. Biophys. 119, 41 (1967)		1 g 14.—	5 g 60.—
43792	purum >97%(GC); M.P. 56-58°; store in refrigerator		5 g 32.—	25 g 135.—
43794	4,4'-Dithiodipyridine purum M.P. 74-75° (4,4'-Dipyridyl disulfide) 6.1/81a CH:CHN:CHCH:CSSC:CHCH:NCH:CH C ₁₀ H ₈ N ₂ S ₂ M _r 220.32 [2645-22-9]		1 g 16.—	5 g 67.—
43796	1,4-Dithioerythritol, DTE (Cleland Reagent DTE; erythro-2,3-Dihydroxy-1,4-butanedithiol; 6.1/81a erythro-1,4-Dimercapto-2,3-butanediol) HSCH ₂ CHOHCHOHCH ₂ SH C ₄ H ₁₀ O ₂ S ₂ M _r 154.25 [6892-68-8] puriss. biochim. >99%(RT); M.P. 82-84°; store in refrigerator; W. W. Cleland, Biochemistry 3, 480 (1964); W. L. Zahler and W. W. Cleland, J. Biol. Chem. 243, 716 (1968); E. Gross, Methods in Enzymology, Vol. XI, 247 (1967); Y. Burstein and A. Patchornik, Biochemistry 11, 2939 (1972)		1 g 20.—	5 g 63.— 25 g 230.—
Dithioglycol see 02390 1,2-Ethanedithiol				
"Dithiol" see 89700 Toluene-3,4-dithiol				
1,3-Dithiolane-2-thione see 03950 Ethylene trithiocarbonate				
1,3-Dithiol-2-thione see 94975 Vinylenetrithiocarbonate				
6,8-Dithiooctanoic acid see 62320 DL-6,8-Thioctic acid				
43800	Dithiooxamide (Rubeanic acid) NH ₂ CSCSNH ₂ C ₂ H ₄ N ₂ S ₂ M _r 120.20 [79-40-3] puriss. p.a. ~99%(S); M.P. >300°; determination: Cu, Os; detection: Bi, Co, Cu, Fe, Ni, Os, Pt, Ru; Ash <0.1%		25 g 20.—	100 g 70.—
Dithiosalicylic acid see 43761 2,2'-Dithiodibenzoic acid				
43816	Dithioterephthalic acid purum >99%(T); M.P. 134-135° C ₆ H ₄ (COSH) ₂ C ₈ H ₆ O ₂ S ₂ M _r 198.26 [1076-98-8]		50 g 29.—	250 g 120.—
43818	(-)-1,4-Dithio-L-threitol (Cleland Reagent chiral; L-DTT) HSCH ₂ CHOHCHOHCH ₂ SH C ₄ H ₁₀ O ₂ S ₂ M _r 154.25 [16096-97-2] puriss. biochim. M.P. 50-52°; [α] _D ²⁰ -17±1°; [α] _D ²⁰ -14±1° (c=2.4 in Chlf.); store in refrigerator		100 mg 25.—	500 mg 105.—
43819	1,4-Dithio-DL-threitol (Cleland Reagent chiral; DTT) HSCH ₂ CHOHCHOHCH ₂ SH C ₄ H ₁₀ O ₂ S ₂ M _r 154.26 [5892-68-8] puriss. biochim. >99%(RT); M.P. 42-43°; For the investigation of incremental and kinetic reduction in proteins: D. W. Sears et al., Biochemistry 16, 2031 (1977)		1 g 18.—	5 g 75.—
43820	Dithizone (Diphenylthiocarbazone) C ₆ H ₅ NHNHCSN:NC ₆ H ₅ C ₁₃ H ₁₂ N ₄ S M _r 256.33 [60-10-6] puriss. p.a. >98%(UV); 1 g clearly soluble in 100 ml Chloroform; Lit.: G. Iwantscheff, Dithizone and its application in Micro and Spot tests (1956), Metal indicator for complexometric determinations; Chim. Acta 57, 393 (1971); extraction of Selenium with Dithizone		10 g 18.—	50 g 75.—
43825	Di-toluene-4-sulfimide purum >98%(T); M.P. 170-172° (Di-toluene-4-sulfonamide) (CH ₃ C ₆ H ₄ SO ₂) ₂ NH C ₁₄ H ₁₈ NO ₄ S ₂ M _r 325.41 [3695-00-9]		10 g 20.—	50 g 85.—

sFr.

sFr.

Di-toluene-4-sulfonamide see 43825 Di-toluene-4-sulfimide

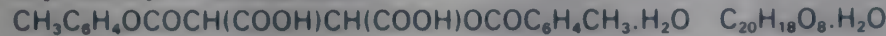
(-)-Di-O,O'-p-toluoyl-L-tartaric acid



M_r 404.38 [32634-66-5]

43821 purum >98(T); $[\alpha]_{540}^{20} - 162 \pm 2^\circ$; $[\alpha]_D^{20} - 132 \pm 2^\circ$ (c = 1 in Ethanol) 25 g 29. — 100 g 105. —

(+)-Di-O,O'-p-toluoyl-D-tartaric acid



M_r 404.38 [32634-68-7]

43822 purum >98%(T); $[\alpha]_{540}^{20} + 162 \pm 2^\circ$; $[\alpha]_D^{20} + 132 \pm 2^\circ$ (c = 1 in Ethanol) 10 g 14. — 50 g 60. —

43860 **N,N'-Di-o-tolylguanidine (sym.)** pract.



250 g 14. — 1 kg 50. —

(-)-1,4-Di-O-tosyl-2,3-O-isopropylidene-L-threitol [(-)-2,3-O-Isopropylidene-L-threitol

1,4-ditosylate]



43880 purum M.P. 90-92°; $[\alpha]_{540}^{20} - 15 \pm 0.5^\circ$; $[\alpha]_D^{20} - 13 \pm 0.5^\circ$ (c = 8.8 in Chlf.); Precursor to a variety of chiral diphosphines [e.g. (-)-DIOP] and sulfoxides [e.g. (-)-DIOS] which are versatile catalysts [in complex with rhodium(I) or ruthenium(II)] for asymmetric hydrogenations, hydroformylations, hydrosilylations, alkylations etc.: H. B. Kagan, T. P. Dang, J. Am. Chem. Soc. 94, 6429 (1972); L. Fieser, M. Fieser, "Reagents for Organic Synthesis 4, 273, 5, 360, 6, 309; M. Bianchi et al., J. Organometr. Chem. 141, 107 (1977); B. M. Trost, P. E. Strege, J. Am. Chem. Soc. 99, 1649 (1977); I. Ojima et al., J. Org. Chem. 42, 1671 (1977); B. R. James, R. S. McMillan, Can. J. Chem. 55, 3927 (1977) 1 g 18. — 5 g 75. —

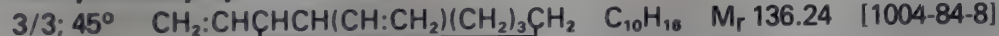
Ditridecyl ketone see 70150 14-Heptacosanone

Divinylbenzene



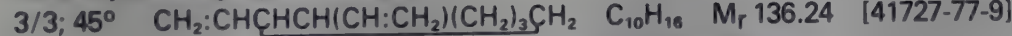
43910 techn. 50% in Ethylvinylbenzene; d_4^{20} 0.914; n_D^{20} 1.561; store in refrigerator 1 lt ≈ 0.91 kg 250 ml 10. — 1 lt 35. —

cis-1,2-Divinylcyclohexane



43911 purum ~98%(GC); B.P. 172-174°; d_4^{20} 0.841; n_D^{20} 1.472 1 lt ≈ 0.84 kg 10 ml 25. — 50 ml 105. —

trans-1,2-Divinylcyclohexane



43913 purum >98%(GC); B.P. 164-166°; d_4^{20} 0.823; n_D^{20} 1.464 1 lt ≈ 0.82 kg 10 ml 25. — 50 ml 105. —

Divinyl sulfone see 43920 Vinyl sulfone

DMAA see 05937 Allyl-dimethylamine

DMBA see 13365 N-Benzyl-dimethylamine

DMCS see 39900 Dimethylchlorosilane

DMDF see 38740 2,5-Dimethoxy-2,5-dihydrofuran

DMF see 42040 N,N-Dimethylformamide

DMP 10 see 39200 Dimethylaminomethylphenol

DMP 30 see 45348 Epon Accelerator

DMPADC see 79625 N,N-Dimethylphosphoramidic dichloride

DNA see 31160 Deoxyribonucleic acid and 89370 Thymonucleic acid

DNFA see 42070 2,4-Dinitro-5-fluoroaniline

43909 **DNP-L-glutamine** purum; store in refrigerator 1 g 40. —
 $\text{NH}_2\text{COCH}_2\text{CH}_2\text{CH}(\text{COOH})\text{NHC}_6\text{H}_3(\text{NO}_2)_2 \quad \text{C}_{11}\text{H}_{12}\text{N}_4\text{O}_7 \quad M_r 312.24 \quad [1602-41-1]$

43916 **DNP-DL-isoleucine** purum; store in refrigerator 1 g 40. —
 $\text{CH}_3\text{CH}_2\text{CH}(\text{CH}_3)\text{CH}(\text{COOH})\text{NHC}_6\text{H}_3(\text{NO}_2)_2 \quad \text{C}_{12}\text{H}_{15}\text{N}_3\text{O}_6 \quad M_r 297.27 \quad [10236-90-5]$

43922 **DNP-L-phenylalanine** purum; store in refrigerator 1 g 40. —
 $\text{C}_6\text{H}_5\text{CH}_2\text{CH}(\text{COOH})\text{NHC}_6\text{H}_3(\text{NO}_2)_2 \quad \text{C}_{15}\text{H}_{13}\text{N}_3\text{O}_6 \quad M_r 331.29 \quad [1655-54-5]$

43923 **DNP-L-proline** purum; store in refrigerator 1 g 40. —
 $(\text{NO}_2)_2\text{C}_6\text{H}_3\text{N}(\text{CH}_2)_3\text{CHCOOH} \quad \text{C}_{11}\text{H}_{11}\text{N}_3\text{O}_6 \quad M_r 281.23 \quad [1655-55-6]$

			sFr.	sFr.
43925	DNP-L-threonine purum; store in refrigerator $\text{CH}_3\text{CH}(\text{OH})\text{CH}(\text{COOH})\text{NHC}_6\text{H}_3(\text{NO}_2)_2$ $\text{C}_{10}\text{H}_{11}\text{N}_3\text{O}_7$ M_r 285.22 [1655-65-8]		1 g 40.—	
43926	DNP-L-tryptophane purum; store in refrigerator $\text{C}_6\text{H}_4\text{NHCH}(\text{C}_6\text{H}_4\text{CH}(\text{COOH})\text{NHC}_6\text{H}_3(\text{NO}_2)_2$ $\text{C}_{17}\text{H}_{14}\text{N}_4\text{O}_6$ M_r 370.32 [1655-51-2]		1 g 50.—	
	DNS-Cl see 39220 5-Dimethylamino-1-naphthalenesulfonyl chloride			
	DNTC see 39250 4-Dimethylamino-1-naphthyl isothiocyanate			
43958	1,21-Docosadiene purum ~98%(GC); M.P. 30-32°; B.P. 162-164° (Lit.) $\text{CH}_2\text{:CH}(\text{CH}_2)_{10}\text{CH:CH}_2$ $\text{C}_{22}\text{H}_{42}$ M_r 306.58 [53057-53-7]		5 g 18.—	25 g 75.—
43940	Docosane purum >98%(GC); M.P. 43-45°; B.P. 224° (Lit.) (Alkane C_{22}) $\text{CH}_3(\text{CH}_2)_{20}\text{CH}_3$ $\text{C}_{22}\text{H}_{46}$ M_r 310.61 [629-97-0]		25 g 14.—	100 g 50.—
	Docosanoic acid see 11909 Behenic acid			
43960	1-Docosanol purum >97%(GC); M.P. 70-71° (Alcohol C_{22} ; Behenyl alcohol) $\text{CH}_3(\text{CH}_2)_{21}\text{OH}$ $\text{C}_{22}\text{H}_{46}\text{O}$ M_r 326.61 [661-19-8]		25 g 8.—	100 g 25.—
	cis-13-Docosenoic acid see 45629 Erucic acid			
43980	Dodecafluorocyclohexane (Perfluorocyclohexane) $\text{CF}_2(\text{CF}_2)_4\text{CF}_2$ C_6F_{12} M_r 300.05 [355-68-0] purum M.P. ~60° dec.; store in refrigerator		5 g 29.—	25 g 120.—
	Dodecane (Alkane C_{12}) 3/4; 74° $\text{CH}_3(\text{CH}_2)_{10}\text{CH}_3$ $\text{C}_{12}\text{H}_{26}$ M_r 170.34 [112-40-3]			
44010	puriss. Standard for GC; >99.6%(GC); B.P. 214-216°; d_4^{20} 0.748; n_D^{20} 1.421	1 lt ≈ 0.75 kg	5 ml 24.—	25 ml 100.—
44020	purum olefin free ~99%(GC); B.P. 213-216°; d_4^{20} 0.748; n_D^{20} 1.421; <1% Undecane	1 lt ≈ 0.75 kg	100 ml 16.—	500 ml 67.—
44030	pract. >95%(GC); B.P. 213-216°; d_4^{20} 0.748; n_D^{20} 1.421	1 lt ≈ 0.75 kg	250 ml 12.—	1 lt 40.—
	1,12-Dodecanediamine see 32970 1,12-Diaminododecane			
	Dodecanedicarboxylic acid see 87150 Tetradecanedioic acid			
	Dodecanedinitrile see 44090 1,10-Dicyanodecane			
44050	Dodecanedioic acid (Decane-1,10 dicarboxylic acid; Dicarboxylic acid C_{12}) $\text{HOOC}(\text{CH}_2)_{10}\text{COOH}$ $\text{C}_{12}\text{H}_{22}\text{O}_4$ M_r 230.31 [693-23-2] purum >98%(GC); M.P. 127-129°; 1 g clearly soluble in 10 ml Ethanol		250 g 20.—	1 kg 70.—
44130	1-Dodecanethiol (Dodecylmercaptan; Laurylmercaptan; Mercaptan C_{12}) $\text{CH}_3(\text{CH}_2)_{11}\text{SH}$ $\text{C}_{12}\text{H}_{26}\text{S}$ M_r 202.40 [112-55-0] purum >97%(GC); B.P. 92-95°; d_4^{20} 0.844; n_D^{20} 1.458; For the regeneration of native proteins from mercuribenzoates: E. C. de Renzo et al., J. Biol. Chem. 242, 4850 (1967)	1 lt ≈ 0.84 kg	250 ml 12.—	1 lt 40.—
	Dodecanoic acid see 61609 Lauric acid			
44100	1-Dodecanol (Alcohol C_{12} ; Dodecyl alcohol; Lauryl alcohol) $\text{CH}_3(\text{CH}_2)_{11}\text{OH}$ $\text{C}_{12}\text{H}_{26}\text{O}$ M_r 186.34 [112-53-8] puriss. >99.5%(GC); M.P. 23-24°; B.P. 255° (Lit.)		100 g 10.—	500 g 37.—
44110	purum ~97%(GC); M.P. 22-24°		250 g 7.—	1 kg 16.—
44121	2-Dodecanol (Decyl methyl carbinol) $\text{CH}_3(\text{CH}_2)_9\text{CH}(\text{OH})\text{CH}_3$ $\text{C}_{12}\text{H}_{26}\text{O}$ M_r 186.34 [10203-28-8] pract. >95%(GC); B.P. 104-106° (Lit.); d_4^{20} 0.829; n_D^{20} 1.440	1 lt ≈ 0.83 kg	5 ml 22.—	25 ml 90.—
30720	2-Dodecanone (Decyl-methylketone) $\text{CH}_3(\text{CH}_2)_9\text{COCH}_3$ $\text{C}_{12}\text{H}_{24}\text{O}$ M_r 184.32 [6175-49-1] pract. 90-95%(GC); M.P. 17-20°; B.P. 247° (Lit.); d_4^{20} 0.828; n_D^{20} 1.434	1 lt ≈ 0.83 kg	25 ml 17.—	100 ml 60.—
75080	4-Dodecanone (Octyl propyl ketone) 3/4; 99° $\text{CH}_3(\text{CH}_2)_7\text{COCH}_2\text{CH}_2\text{CH}_3$ $\text{C}_{12}\text{H}_{24}\text{O}$ M_r 184.32 [6137-26-4] pract. ~95%(GC); B.P. 65° (Lit.); d_4^{20} 0.827	1 lt ≈ 0.83 kg	10 ml 12.—	50 ml 50.—
	Dodecanoyl chloride see 61660 Lauroyl chloride			

				sFr.	sFr.
44150	1-Dodecene pract. ~95%(GC); B.P. 213-215°; d_4^{20} 0.758; n_D^{20} 1.430 3/4; 73° $\text{CH}_3(\text{CH}_2)_9\text{CH}:\text{CH}_2$ $\text{C}_{12}\text{H}_{24}$ M_r 168.32 [112-41-4]	1 lt $\approx$ 0.76 kg	100 ml 7. —	500 ml 26. —	
	trans-2-Dodecenedioic acid see 90200 Traumatic acid				
	2-Dodecen-1-ylsuccinic anhydride $\text{C}_{12}\text{H}_{23}\text{CHCH}_2\text{COO}\text{CO}$ $\text{C}_{16}\text{H}_{26}\text{O}_3$ M_r 266.38 [1330-65-0]				
44161	pract. Mixture of Isomers; d_4^{20} 1.007; n_D^{20} 1.479	1 lt $\approx$ 1.01 kg	250 ml 14. —	1 lt 50. —	
01787	Dodecyl acrylate techn. 60-70%; B.P. $\sim$ 120° (Lauryl acrylate) 83° $\text{CH}_2:\text{CHCOOC}_{12}\text{H}_{25}$ $\text{C}_{16}\text{H}_{28}\text{O}_2$ M_r 240.39 [2156-97-0]	1 lt $\approx$ 0.87 kg	500 ml 17. —		
	Dodecyl alcohol see 44100 1-Dodecanol				
	Dodecylamine (Amine C_{12} ; 1-Aminododecane; Laurylamine) $\text{CH}_3(\text{CH}_2)_{11}\text{NH}_2$ $\text{C}_{12}\text{H}_{27}\text{N}$ M_r 185.36 [124-22-1]				
44170	puriss. ~99%(GC); M.P. 27-29°; B.P. $\sim$ 64-66°		100 g 18. —	500 g 75. —	
44180	pract. >96%(GC); M.P. 25-28°		250 g 17. —	1 kg 60. —	
	Dodecylbenzene (1-Phenyldodecane) $\text{C}_6\text{H}_5(\text{CH}_2)_{11}\text{CH}_3$ $\text{C}_{18}\text{H}_{30}$ M_r 246.44 [123-01-3]				
44190	purum ~97%(GC); B.P. 331° (Lit.); d_4^{20} 0.855; n_D^{20} 1.482	1 lt $\approx$ 0.86 kg	25 ml 16. —	100 ml 55. —	
	Dodecylbenzenesulfonic acid Sodium salt (Sodium dodecylbenzenesulfonate) $\text{CH}_3(\text{CH}_2)_{10}\text{CH}_2\text{C}_6\text{H}_4\text{SO}_3\text{Na}$ $\text{C}_{18}\text{H}_{29}\text{NaO}_3\text{S}$ M_r 348.48 [2211-98-5]				
44200	techn. ~85%		1 kg 15. —		
	Dodecyl bromide see 16960 1-Bromododecane				
	Dodecyl chloride see 24490 1-Chlorododecane				
	Dodecylethyldimethylammonium bromide $\text{C}_{16}\text{H}_{36}\text{BrN}$ M_r 322.38				
44165	purum >98%(Br); M.P. 185-187°; 1 g clearly and colourless soluble in 10 ml water		25 g 13. —	100 g 55. —	
	Dodecylmercaptan see 44130 1-Dodecanethiol				
44210	tert-Dodecylmercaptan pract. ~95%; d_4^{20} 0.86 $(\text{CH}_3)_3\text{CCH}_2\text{C}(\text{CH}_3)_2\text{CH}_2\text{C}(\text{CH}_3)_2\text{SH} + (\text{CH}_3)_3\text{CCH}_2\text{C}(\text{CH}_3)(\text{SH})\text{CH}_2\text{C}(\text{CH}_3)_3$ $\text{C}_{12}\text{H}_{26}\text{S}$ M_r 202.41 [25103-58-6]	1 lt $\approx$ 0.86 kg	250 ml 8. —	1 lt 25. —	
	Dodecyl methacrylate see 64151 Lauryl methacrylate				
	(-)-N-Dodecyl-N-methylephedrinium bromide [(-)-MDEB] $\text{C}_6\text{H}_5\text{CH}(\text{OH})\text{CH}(\text{CH}_3)\text{N}(\text{Br})(\text{CH}_3)_2\text{CH}_2(\text{CH}_2)_{10}\text{CH}_3$ $\text{C}_{23}\text{H}_{42}\text{BrNO}$ M_r 428.50 [57155-63-2]				
44220	purum >98%(Br); M.P. 104-106°; $[\alpha]_{546}^{20} - 15 \pm 1^\circ$; $[\alpha]_D^{20} - 12 \pm 1^\circ$ (c = 1 in CHCl_3); Specific catalyst for the borohydride reduction of carbonyl compounds under phase-transfer conditions: S. Colonna, R. Fornasier, Synthesis 531 (1975); Chiral phase-transfer catalyst; Review: E.V. Dehmlow, Angew. Chem. 89, 521 (1977), Int. Ed. 16, 493 (1977)		5 g 21. —	25 g 90. —	
	Dodecyl trichlorosilane 8/23b $\text{CH}_3(\text{CH}_2)_{11}\text{SiCl}_3$ $\text{C}_{12}\text{H}_{25}\text{Cl}_3\text{Si}$ M_r 303.78 [4484-72-4]				
44230	purum ~97%(GC); B.P. 294° (Lit.); d_4^{20} 1.028; n_D^{20} 1.454	1 lt $\approx$ 1.03 kg	100 ml 20. —	500 ml 85. —	
	L-DOPA see 37830 L-3-(3,4-Dihydroxyphenyl)-alanine				
	D-DOPA see 37840 D-3-(3,4-Dihydroxyphenyl)-alanine				
	DL-DOPA see 37850 DL-3-(3,4-Dihydroxyphenyl)-alanine				
	Dopamine hydrochloride see 56610 3-Hydroxytyramine hydrochloride				
	Dormin see 00015 Abscissic acid				
	Dotriacontane (Alkane C_{32}) $\text{CH}_3(\text{CH}_2)_{30}\text{CH}_3$ $\text{C}_{32}\text{H}_{66}$ M_r 450.88				
44255	puriss. ~99%; M.P. 69-71°; B.P. $\sim$ 281°		1 g 20. —	5 g 85. —	
44260	pract. >99%; M.P. 65-70°		10 g 15. —	50 g 63. —	
	"Dowanol® 33-B" see 65280 1-Methoxy-2-propanol				

		sFr.	sFr.
Dowex® Ion Exchange Resins (Detail informations on page 324) ® registered Trade Mark of The Dow Chemical Co., USA			
44285	Dowex® 1 X 1 50-100 mesh Cl ⁻ -Form	100 g 18. —	500 g 75. —
44290	Dowex® 1 X 2 50-100 mesh Cl ⁻ -Form	100 g 16. —	500 g 67. —
44295	Dowex® 1 X 2 100-200 mesh Cl ⁻ -Form	100 g 28. —	500 g 120. —
44299	Dowex® 1 X 2 200-400 mesh p.a. Cl ⁻ -Form	100 g 55. —	
44300	Dowex® 1 X 2 200-400 mesh Cl ⁻ -Form	100 g 28. —	500 g 120. —
44305	Dowex® 1 X 4 20-50 mesh Cl ⁻ -Form	250 g 24. —	1 kg 90. —
44310	Dowex® 1 X 4 50-100 mesh Cl ⁻ -Form	250 g 40. —	1 kg 145. —
44315	Dowex® 1 X 4 100-200 mesh Cl ⁻ -Form	100 g 28. —	500 g 120. —
44320	Dowex® 1 X 4 200-400 mesh Cl ⁻ -Form	100 g 28. —	500 g 120. —
44324	Dowex® 1 X 8 20-50 mesh p.a. Cl ⁻ -Form	100 g 20. —	
44325	Dowex® 1 X 8 20-50 mesh Cl ⁻ -Form (also called SBR)	250 g 17. —	1 kg 60. —
44329	Dowex® 1 X 8 50-100 mesh p.a. Cl ⁻ -Form	100 g 28. —	
44330	Dowex® 1 X 8 50-100 mesh Cl ⁻ -Form	100 g 20. —	500 g 85. —
44334	Dowex® 1 X 8 100-200 mesh p.a. Cl ⁻ -Form	100 g 55. —	
44335	Dowex® 1 X 8 100-200 mesh Cl ⁻ -Form	100 g 25. —	500 g 105. —
44339	Dowex® 1 X 8 200-400 mesh p.a. Cl ⁻ -Form	100 g 55. —	
44340	Dowex® 1 X 8 200-400 mesh Cl ⁻ -Form	100 g 28. —	500 g 120. —
44347	Dowex® 1 X 10 50-100 mesh Cl ⁻ -Form	100 g 35. —	500 g 145. —
44350	Dowex® 1 X 10 100-200 mesh Cl ⁻ -Form	100 g 35. —	500 g 145. —
44356	Dowex® 1 X 16 100-200 mesh Cl ⁻ -Form, strong basic	100 g 35. —	500 g 145. —
44357	Dowex® 1 X 16 200-400 mesh Cl ⁻ -Form, strong basic	100 g 35. —	500 g 145. —
44370	Dowex® 1 X 4 20-50 mesh Cl ⁻ -Form	100 g 13. —	500 g 55. —
44375	Dowex® 2 X 8 20-50 mesh Cl ⁻ -Form (also called SAR)	250 g 17. —	1 kg 60. —
44380	Dowex® 2 X 8 50-100 mesh Cl ⁻ -Form	250 g 21. —	1 kg 75. —
44385	Dowex® 2 X 8 100-200 mesh Cl ⁻ -Form	100 g 35. —	500 g 145. —
44390	Dowex® 2 X 8 200-400 mesh Cl ⁻ -Form	100 g 35. —	500 g 145. —
44395	Dowex® 2 X 10 50-100 mesh Cl ⁻ -Form	100 g 35. —	500 g 145. —
44396	Dowex® 2 X 10 100-200 mesh Cl ⁻ -Form, strong basic	100 g 35. —	500 g 145. —
44405	Dowex® 2 X 10 200-400 mesh Cl ⁻ -Form	100 g 35. —	500 g 145. —
44420	Dowex® 11 16-20 mesh Cl ⁻ -Form	250 g 20. —	1 kg 70. —
44425	Dowex® 11 20-50 mesh Cl ⁻ -Form	250 g 24. —	1 kg 90. —
44426	Dowex® SBR-P 16-30 mesh Cl ⁻ -Form, strong basic	250 g 21. —	1 kg 75. —
44427	Dowex® SBR-P 16-40 mesh Cl ⁻ -Form, strong basic	250 g 21. —	1 kg 75. —
44430	Dowex® 21 K 16-20 mesh Cl ⁻ -Form (also called SBR-M)	100 g 13. —	500 g 55. —
44435	Dowex® 21 K 20-50 mesh Cl ⁻ -Form (also called SBR-P)	250 g 17. —	1 kg 60. —
44440	Dowex® 21 K 50-100 mesh Cl ⁻ -Form	100 g 22. —	500 g 90. —
44443	Dowex® HCR-S 20-50 mesh H ⁺ -Form, strong acid	1 kg 16. —	
44445	Dowex® 50 X 8 20-50 mesh Na ⁺ -Form (also called HCR-S)	1 kg 15. —	5 kg 63. —
44446	Dowex® HCR-W 16-40 mesh H ⁺ -Form, strong acid	1 kg 20. —	

			sFr.	sFr.
44447	Dowex® HCR-W 16-40 mesh Na ⁺ -Form, strong acid		1 kg 20. —	
44448	Dowex® HGR-W 16-40 mesh H ⁺ -Form, strong acid		1 kg 25. —	
44449	Dowex® HGR-W 16-40 mesh Na ⁺ -Form, strong acid		1 kg 25. —	
44450	Dowex® 50 W X 1 50-100 mesh H ⁺ -Form		100 g 35. —	500 g 145. —
44455	Dowex® 50 W X 2 50-100 mesh H ⁺ -Form		250 g 21. —	1 kg 75. —
44460	Dowex® 50 W X 2 100-200 mesh H ⁺ -Form		100 g 28. —	500 g 120. —
44464	Dowex® 50 W X 2 200-400 mesh p.a. H ⁺ -Form		100 g 40. —	
44465	Dowex® 50 W X 2 200-400 mesh H ⁺ -Form		100 g 32. —	500 g 135. —
44469	Dowex® 50 W X 4 20-50 mesh p.a. H ⁺ -Form		100 g 20. —	
44470	Dowex® 50 W X 4 20-50 mesh H ⁺ -Form		250 g 21. —	1 kg 75. —
44474	Dowex® 50 W X 4 50-100 mesh p.a. H ⁺ -Form		100 g 20. —	
44475	Dowex® 50 W X 4 50-100 mesh H ⁺ -Form		250 g 26. —	1 kg 95. —
44480	Dowex® 50 W X 4 100-200 mesh H ⁺ -Form		100 g 35. —	500 g 145. —
44485	Dowex® 50 W X 4 200-400 mesh H ⁺ -Form		100 g 35. —	500 g 145. —
44495	Dowex® 50 W X 5 -400 mesh H ⁺ -Form		100 g 35. —	500 g 145. —
44504	Dowex® 50 W X 8 20-50 mesh p.a. H ⁺ -Form		250 g 26. —	
44500	Dowex® 50 W X 8 16-40 mesh H ⁺ -Form (also called HCR W-2)	250 g 8. —	1 kg 25. —	5 kg 105. —
44505	Dowex® 50 W X 8 20-50 mesh Na ⁺ -Form		250 g 13. —	1 kg 45. —
44509	Dowex® 50 W X 8 50-100 mesh p.a. H ⁺ -Form		100 g 20. —	
44510	Dowex® 50 W X 8 50-100 mesh H ⁺ -Form		250 g 40. —	1 kg 145. —
44514	Dowex® 50 W X 8 100-200 mesh p.a. H ⁺ -Form		100 g 40. —	
44515	Dowex® 50 W X 8 100-200 mesh H ⁺ -Form		100 g 35. —	500 g 145. —
44519	Dowex® 50 W X 8 200-400 mesh p.a. H ⁺ -Form		100 g 55. —	
44520	Dowex® 50 W X 8 200-400 mesh H ⁺ -Form		100 g 35. —	500 g 145. —
44525	Dowex® 50 W X 10 20-50 mesh Na ⁺ -Form		250 g 8. —	1 kg 25. —
44530	Dowex® 50 W X 10 20-50 mesh H ⁺ -Form (also called HGR-W)		250 g 9. —	1 kg 30. —
44545	Dowex® 50 W X 12 100-200 mesh H ⁺ -Form		100 g 40. —	500 g 170. —
44550	Dowex® 50 W X 12 200-400 mesh H ⁺ -Form		100 g 35. —	500 g 145. —
44551	Dowex® 50 W X 16 20-50 mesh H ⁺ -Form, strong acid		100 g 35. —	500 g 145. —
44555	Dowex® CCR-2 20-50 mesh H ⁺ -Form, weak acid		1 kg 25. —	
44557	Dowex® MSC-1 20-50 mesh Na ⁺ -Form, strong acid; macroporous		1 kg 25. —	
44561	Dowex® MR-3		250 g 14. —	1 kg 50. —
44563	Dowex® MR-7		250 g 17. —	1 kg 60. —
44564	Dowex® MR-12		250 g 13. —	1 kg 45. —
44566	Dowex® MR-13		250 g 13. —	1 kg 45. —
	"Dowicide® 1" see 54890 2-Hydroxybiphenyl	"Dowicide® A" see 54911 2-Hydroxybiphenyl Sodium salt Tetrahydrate		
	"Dowicide® 2" see 91330 2,4,5-Trichlorophenol	"Dowicide® G" see 76480 Pentachlorophenol Sodium salt		
	"Dowicide® 2s" see 91340 2,4,6-Trichlorophenol	Dow Retardion® 11 A8 see 83640 Retardion® 11 A8		
	"Dowicide® 6" see 87050 2,3,4,6-Tetrachlorophenol			
	Dowtherm® A (Diphyl)			
44570	M.P. 12-14°; d ₄ ²⁰ 1.063; n _D ²⁰ 1.590; eutectic mixture of Biphenyl + Dibenzofuran	1 lt ≈ 1.06 kg	1 lt 25. —	5 lt 105. —

D

sFr.

sFr.

Dowex® Resin Properties

	Dowex 1	Dowex 2	Dowex 11	Dowex 21K	Dowex 50 W	
Type→	Strong-base anion exchanger	Strong-base anion exchanger	Strong-base anion exchanger	Strong-base anion exchanger	Strong-acid cation exchanger	
Active group→	trimethyl benzyl ammonium	dimethyl ethanol benzyl ammonium	trimethyl benzyl ammonium	trimethyl benzyl ammonium	nuclear sulfonic acid	
Standard cross-linkage - % di-vinylbenzene	8	8	Not defined	Not defined	8	
Special cross-linkages - % di-vinylbenzene (a)	1,2,4	4		Not defined	4,10,12,16	
Ionic form as shipped	Cl ⁻	Cl ⁻	Cl ⁻	Cl ⁻	Na ⁺ or H ⁺ (20-50 mesh) H ⁺ (all other mesh)	
Physical form	Spheres	Spheres	Spheres	Spheres	Spheres	
Standard mesh size (wet)	20-50			20-50	20-50 (c)	
Spezial mesh size (dry) (b)	50-100, 100-200, 200-400	20-50, 50-100	20-50	50-100, 16-20 (wet)	50-100, 100-200, 200-400	
Shipping density (lb/ft ³)	44	44	45	43	Na ⁺ -form 53	H ⁺ -form 50
Moisture cont. (%)	43	37	57	57	45	53
Vol. change (%)	Cl ⁻ →OH ⁻ = +20%	Cl ⁻ →OH ⁻ = +14%	Cl ⁻ →OH ⁻ = +25-40%	Cl ⁻ →OH ⁻ = +20%	Na ⁺ →H ⁺ = +8%	
Effective pH range	0-14	0-14	0-14	0-14	0-14	
Selectivity	Cl ⁻ /OH ⁻ = approx. 25	Cl ⁻ /OH ⁻ = approx. 1.5		Cl ⁻ /OH ⁻ = approx. 15	Na ⁺ /H ⁺ = approx. 1.2	
Order of selectivity for ions	I>NO ₃ >Br>Cl >Acetate>OH>F	I>NO ₃ >Br>Cl>OH >Acetate>F	I>NO ₃ >Br>Acetate >OH>F	I>NO ₃ >Br>Cl >Acetate>OH>F	Monovalent Ag>Cs>Rb>K>NH ₄ >Na>H>Li Divalent Ba>Sr>Ca>Mg>Be	
Total exch. capac. Kgr as CaCO ₃ /ft ³	(Cl ⁻ -form) 29.0	(Cl ⁻ -form) 29.0	(Cl ⁻ -form) 27.0	(Cl ⁻ -form) 27.3	(Na ⁺ -form) 41.5	(H ⁺ -form) 37.0
Meq/g dry resin	3.5	3.5	4.0	4.5	4.8	5.0
Meq/ml wet resin	1.33	1.33	1.24	1.25	1.9	1.7
Sphericity (%)	>70	>85	>80	>85	>95	
Bed expansion	50% maximum at 2 gpm/ft ² at 25°C	50% maximum at 2 gpm/ft ² at 25°C	48% maximum at 4 gpm/ft ² at 15.6°C	65% maximum at 2 gpm/ft ² at 25°C	15-28% maximum at 4 gpm/ft ² at 25°C	
Pressure drop	Approx. 0.5 lb/in ² /ft at 5 gpm/ft ²	Approx. 0.5 lb/in ² /ft at 5 gpm/ft ²	Approx. 0.35 lb/in ² /ft at 5 gpm/ft ²	Approx. 0.35 lb/in ² /ft at 5 gpm/ft ²	Approx. 0.45 lb/in ² /ft at 5 gpm/ft ²	
Stability						
Thermal	(OH ⁻ -form - Fair up to 50°C) (Cl ⁻ -form - Good up to 150°C)	(OH ⁻ -form - Fair up to 30°C) (Cl ⁻ -form - Good up to 150°C)	(OH ⁻ -form - Fair up to 50°C) (Cl ⁻ -form - Good up to 150°C)	(OH ⁻ -form - Fair up to 50°C) (Cl ⁻ -form - Good up to 150°C)	Good up to 150°C	
Solvent	Very good	Very good	Very good	Very good	Very good	
Oxidation	Slow solution in hot 15% HNO ₃	Slow solution in hot 15% HNO ₃	Slow solution in hot 15% HNO ₃	Slow solution in hot 15% HNO ₃	Slow solution in hot 15% HNO ₃	
Reduction	Breakdown in presence of some sulfur containing reducing agents	Breakdown in presence of some sulfur containing reducing agents	Breakdown in presence of some sulfur containing reducing agents	Breakdown in presence of some sulfur containing reducing agents	Very good Excellent	

(a) Crosslinkages other than listed may be available upon request.

(b) Dry mesh size of copolymer spheres before making into ion exchanger.

(c) Maximum 1.5 percent on 16 mesh, maximum 3.0 percent through 40 mesh, wet screen, sodium form.

			sFr.	sFr.
44580	Dowtherm[®] E d_4^{20} 1.305; n_D^{20} 1.551	1 lt $\approx$ 1.31 kg	250 ml 10. —	1 lt 35. —
	DPH see 43050 1,6-Diphenyl-1,3,5-hexatriene			
	DPN see 43410 β -Nicotinamide-adenine-dinucleotide, β -NAD			
	DPNH₂-Na₂ see 43420 β -Nicotinamide-adenine-dinucleotide Disodium salt reduced, β -NADH ₂ -Na ₂			
	DPPA see 79627 Diphenyl phosphoryl azide			
	Drimarene Brilliant Blue K-BL [C.I. Reactive Blue Nr. 114]			
44582	p.a.; New reactive dye for quantitation of prestained proteins on polyacrylamide gels: H. F. Bosshard, A. Datyner, Anal. Biochem. 82, 327 (1977)		25 g 14. —	100 g 50. —
	Driselase[®]			
44585	Mixture of enzymes ex Basidiomycetes for the preparation of protoplasts; store in refrigerator		5 g 29. —	25 g 120. —
	® Registered trade mark of Kyowa Hakko Kogyo Co. Ltd.			
	Enzyme	Substrate	Driselase	
	Cellulase C ₁	filter paper u/g	23000	
	MC _x	Na-CMC r/mg-hr	3000	
	Xylanase	Xylane r/mg-hr	2800	
	Dextranase	Dextrin r/mg-hr	80	
	Laminarinase	Laminarin r/mg-hr	2300	
	Amylase	Starch u/mg	14	
	Protease	Casein u/mg	9	
	Pectinase	Pectin %/0.3 mg	53	
	Macerating activity	Potato %/0.5 mg	10	
	Lytic activity	Yeast u/mg	0.1	
	DSS see 92754 3-Trimethylsilyl-1-propanesulfonic acid Sodium salt			
	DTE see 43796 1,4-Dithioerythritol			
	DTT see 43819 1,4-Dithio-DL-threitol			
	L-DTT see 43818 (—)-1,4-Dithio-L-threitol			
44590	Dulcitol puriss. for Bacteriology; M.P. 185-187°; Ash <0.05% (Galactitol) HOCH ₂ (CHOH) ₄ CH ₂ OH C ₆ H ₁₄ O ₆ M _r 182.18 [608-66-2]		50 g 16. —	250 g 67. —
	Durcupan[®] water soluble FLUKA water soluble embedding material for Electron Microscopy (Special brochure available on request) ® Registered trade mark of Fluka AG, Buchs			
44600	set for minimum 10 embeddings		1 set 45. —	
44602	Single Component A		100 ml 30. —	
44604	Single Component B		100 ml 8. —	
	Durcupan[®] ACM FLUKA Embedding material for Electron Microscopy on the basis of Araldite [®] (Special brochure available on request) Durcupan = Registered trade mark of Fluka AG, Buchs; Araldite = Registered trade mark of Ciba-Geigy AG, Basle			
44610	Set for 1 lt embedding mixture	1 set 75. —		
44611	Single component A/M Epoxy resin	100 ml 8. —	Package of 12 x 100 ml	7.60
44612	Single component B hardener 964	100 ml 8. —	Package of 12 x 100 ml	7.60
44613	Single component C accelerator 964	100 ml 8. —		
44614	Single component D plasticizer	100 ml 7. —		
44624	Durene puriss. >99%(GC); M.P. 78-80° (1,2,4,5-Tetramethyl benzene) (CH ₃) ₄ C ₆ H ₂ C ₁₀ H ₁₄ M _r 134.22 [95-93-2]		100 g 14. —	500 g 60. —
	Durene-α^1, α^2-dithiol see 40155 1,2-Dimethyl-4,5-bis(mercaptomethyl)benzene			
	Duroquinone (2,3,5,6-Tetramethyl-1,4-benzoquinone) OCC(CH ₃):C(CH ₃)COC(CH ₃):CCH ₃ C ₁₀ H ₁₂ O ₂ M _r 164.21 [527-17-3]			
44620	purum M.P. 110-112°; contains <1% Dinitrodurene		5 g 40. —	25 g 165. —
	Dyes see "Dyes, Indicators, Reagents, Stains in Solution" green section			
	Dyphylline see 37910 7-(2,3-Dihydroxypropyl)theophylline			
44640	Dysprosium puriss. in pieces; 99.9% + 0.1% Ho + Y + others: traces Dy M _r 162.50 [7429-91-6]		5 g 40. —	
44650	Dysprosium oxide puriss. >99.9% + 0.1% Ho ₂ O ₃ + Y ₂ O ₃ + others: traces Dy ₂ O ₃ M _r 373.00 [1308-87-8]		10 g 25. —	

		sFr.	sFr.
44656	α-Ecdysone purum $C_{27}H_{44}O_8$ M_r 464.65 [3604-87-3]	10 mg 160.—	
	Ecteola-23		
44785	p.a.; for Column Chromatography; condensation product of epichlorohydrine, triethanolamine and cellulose; crosslinked fibres, capacity 0.3-0.4 meq/g; 50-200 micron	100 g 25.—	
	Ecteola-TLC		
44786	p.a.; for Thin Layer Chromatography; <28 micron; without binder	25 g 11.—	100 g 38.—
	Edestin from Hemp seed $M_r \sim 310\,000$		
44790	puriss. 2 $\times$ cryst.	1 g 11.—	5 g 46.—
44800	purum 1 $\times$ cryst.	5 g 10.—	25 g 40.—
	Edman Reagent No. 3 see 77249 Heptafluorobutyric acid		
	EDTA see 03610 Ethylenediaminetetraacetic acid		
	EEDQ see 02541 2-Ethoxy-N-ethoxycarbonyl-1,2-dihydroquinoline		
	Egg Albumin see 05440 Albumin Egg		
	Ehrlichs Reagent see 39070 4-Dimethylaminobenzaldehyde		
44820	Eicosane purum >97%(GC); M.P. 36-38° (Alkane C_{20}) $CH_3(CH_2)_{18}CH_3$ $C_{20}H_{42}$ M_r 282.56 [112-95-8]	50 g 24.—	250 g 100.—
	Eicosanoic acid see 10930 Arachidic acid		
	1-Eicosanol (Alcohol C_{20} ; Arachinyl alcohol) $CH_3(CH_2)_{19}OH$ $C_{20}H_{42}O$ M_r 298.56 [629-96-9]		
44860	purum >98%(GC); M.P. 63-65°	5 g 7.—	25 g 12.—
44870	techn. 80-90%(GC); M.P. 59-62°	100 g 20.—	
44880	1-Eicosene purum >97%(GC); M.P. 27-30° $CH_3(CH_2)_{17}CH:CH_2$ $C_{20}H_{40}$ M_r 280.54 [3452-07-1]	25 g 17.—	100 g 60.—
	Elaidic acid (trans-9-Octadecenoic acid; trans-Oleic acid) $CH_3(CH_2)_7CH:CH(CH_2)_7COOH$ $C_{18}H_{34}O_2$ M_r 282.47 [112-79-8]		
45089	puriss. >99%(GC); M.P. 44-45°; Standard for GC; store in refrigerator	1 g 25.—	5 g 90.—
45090	purum $\sim$ 97%(GC); M.P. 40-44°; store in refrigerator	10 g 30.—	50 g 125.—
	Elainic acid see 75090 Oleic acid		
45130	Elastin purum powder	10 g 20.—	
Electron Microscopy see green section			
Electrophoresis see green section			
45140	Ellagic acid pract. M.P. >350° (4,4',5,5',6,6'-Hexahydroxydiphenic acid dilactone) $C_{14}H_6O_8$ M_r 302.20 [476-66-4]	5 g 13.—	25 g 55.—
	Ellman's Reagent see 43760 5,5'-Dithiobis(2-nitrobenzoic acid) (3,3'-6)		
	Embonic acid [4,4'-Methylenebis(3-hydroxy-2-naphthoic acid); Pamoic acid] $HOOC C_{10}H_5(OH)CH_2 C_{10}H_5(OH)COOH$ $C_{23}H_{16}O_6$ M_r 388.38 [130-85-8]		
45150	purum >97%(T); M.P. >300° dec.	100 g 16.—	500 g 67.—
	Emetine dihydrochloride		
6.1/81e	$C_{29}H_{40}N_2O_2 \cdot 2HCl \cdot aq$ M_r 553.58 + aq [316-42-7]		
45160	purum USP M.P. 240-250° dec.; $[\alpha]_{540}^{20} + 20 \pm 1^\circ$; $[\alpha]_D^{20} + 18 \pm 1^\circ$ (c = 6 in water); store in refrigerator	1 g 25.—	5 g 105.—
	Emodin ex Frangula bark (6-Methyl-1,3,8-trihydroxyanthraquinone) $2-CH_3C_6H_2-4-OH-COC_6H_2-5,7-(OH)_2CO$ $C_{15}H_{10}O_5$ M_r 270.24 [518-82-1]		
45170	purum M.P. 253-257°; store in refrigerator	100 mg 25.—	500 mg 105.—
	Enkephalin L and M see 61885 5-Leucine Enkephalin and 64365 5-Methionine Enkephalin		
	Enoxolone see 50510 18 β -Glycyrrhetic acid		

sFr.

sFr.

Enzymes see green section**Enzyme Inhibitors see green section****Enzyme Substrates see green section****Eosin B** see 45260 Eosin Scarlet**Eosin 10B** see 28550 Cyanosine**Eosin Bluish** see 45260 Eosin Scarlet**Eosin S extra Bluish** see 28550 Cyanosine**Eosin Y** see 45240 Eosin Yellowish**Eosin Methylene Blue** [C.I. Nr. 45380/52015; Sch. Nr. 881/1038] (see also
May-Grünwald-solution Fluka)

45250 Standard Fluka for Microscopy (Bact.) 10 g 9.— 50 g 32.—

45252 **Eosin Methylene Blue according to Wrights** Standard Fluka 25 g 20.— 100 g 70.—**Eosin Scarlet** [C.I. Nr. 45400; Sch. Nr. 885] (4',5'-Dibromo-2',7'-dinitrofluorescein
Disodium salt; Eosin B; Eosin Bluish; Saffrosine)2-NaOOC $\text{C}_6\text{H}_4\text{C}(\text{C}_6\text{H}_4\text{Br}_2\text{NO}_2)_2\text{CO}_2\text{Na}$ $\text{C}_{20}\text{H}_6\text{Br}_2\text{N}_2\text{Na}_2\text{O}_9$ M_r 624.08 [548-24-3]

45260 Standard Fluka for Microscopy (Fl., Hist.); Adsorption and Fluorescent Indicator 25 g 7.— 100 g 12.—

Eosin Yellowish [C.I. Nr. 45380; Sch. Nr. 881] (Eosin Y; 2',4',5',7'-Tetrabromofluorescein
Disodium salt)2-NaOOC $\text{C}_6\text{H}_4\text{C}(\text{C}_6\text{H}_3\text{Br}_2)_2\text{CO}_2\text{Na}$ $\text{C}_{20}\text{H}_6\text{Br}_4\text{Na}_2\text{O}_5$ M_r 691.88 [17372-87-1]

45240 Standard Fluka for Microscopy (Fl., Hist.); Adsorption and Fluorescent Indicator 10 g 7.— 50 g 9.— 250 g 33.—

(-)-Ephedrine [2-Methylamino-1-phenyl-1-propanol; L- α -(1-Methylaminoethyl)benzyl alcohol]
6.1/81e $\text{C}_6\text{H}_5\text{CH}(\text{OH})\text{CH}(\text{CH}_3)\text{NHCH}_3$ $\text{C}_{10}\text{H}_{15}\text{NO}$ M_r 165.24 [299-42-3]45261 purum ~95% (NT); M.P. 40-42°; $[\alpha]_{546}^{20} -47 \pm 2^\circ$; $[\alpha]_{\text{D}}^{20} -40 \pm 2^\circ$ (c = 5 in 8% HCl);
contains ~5% water 25 g 10.— 100 g 35.—**(+)- ψ -Ephedrine** see 82545 (+)-Pseudoephedrine**(+)-Ephedrine hydrochloride**6.1/81e $\text{C}_6\text{H}_5\text{CH}(\text{OH})\text{CH}(\text{CH}_3)\text{NHCH}_3 \cdot \text{HCl}$ $\text{C}_{10}\text{H}_{15}\text{NO} \cdot \text{HCl}$ M_r 201.70 [24221-86-1]45280 purum >99% (Cl); M.P. 216-219°; $[\alpha]_{546}^{20} +40 \pm 1^\circ$; $[\alpha]_{\text{D}}^{20} +34 \pm 1^\circ$ (c = 11.5 in water) 50 g 15.— 250 g 63.—**Epi-androsterone** see 10360 trans-Androsterone**Epibromohydrin** (1-Bromo-2,3-epoxypropane)6.1/12a $\text{CH}_2\text{BrCHCH}_2\text{O}$ $\text{C}_3\text{H}_5\text{BrO}$ M_r 136.98 [3132-64-7]45295 purum >97% (GC); B.P. 135-138°; d_4^{20} 1.664; n_{D}^{20} 1.484 1 lt $\approx$ 1.66 kg 100 ml 20.— 500 ml 85.—**(-)-Epicatechin** (cis-3,3',4',5,7-Pentahydroxyflavane)5,7-(HO) $_2\text{C}_6\text{H}_2\text{OCH}[\text{C}_6\text{H}_3(\text{OH})_2]\text{CH}(\text{OH})\text{CH}_2$ $\text{C}_{15}\text{H}_{14}\text{O}_6$ M_r 290.28

[490-46-0]

45300 purum M.P. 240-245°; $[\alpha]_{546}^{20} -62 \pm 2^\circ$; $[\alpha]_{\text{D}}^{20} -54 \pm 2^\circ$ (c = 1 in Acetone/H $_2$ O 1:1) 1 g 35.— 5 g 145.—**Epichlorohydrin** (1-Chloro-2,3-epoxypropane)6.1/12a; 32° $\text{CH}_2\text{ClCHCH}_2\text{O}$ $\text{C}_3\text{H}_5\text{ClO}$ M_r 92.53 [106-89-8]45330 puriss. >99.5% (GC); B.P. 115-117°; d_4^{20} 1.180; n_{D}^{20} 1.438;
H $_2$ O <0.06% 1 lt $\approx$ 1.18 kg 250 ml 13.— 1 lt 45.—45340 purum >98% (GC); B.P. 114-117°; d_4^{20} 1.180; n_{D}^{20} 1.438;
H $_2$ O <0.5% 1 lt $\approx$ 1.18 kg 1 lt 18.— 2.5 lt 40.—**Epiguanine** see 67073 7-Methylguanine**Epikote 812** see 45345 Epon 812**L-Epinephrine** see 02250 L-Adrenaline**L-Epinephrine-D-hydrogentartrate** see 02260 L-Adrenaline-D-hydrogentartrate

			sFr.	sFr.
45343	Epofenonan purum [6,7-Epoxy-3-ethyl-1-(4-ethylphenoxy)-7-methylnonane (cis + trans)] $\text{CH}_3\text{CH}_2\text{C}(\text{CH}_3)\text{OCHCH}_2\text{CH}_2\text{CH}(\text{CH}_2\text{CH}_3)\text{CH}_2\text{CH}_2\text{OC}_6\text{H}_4\text{CH}_2\text{CH}_3$ $\text{C}_{20}\text{H}_{32}\text{O}_2$ M_r 304.48 [57342-02-6]		10 mg 40. —	100 mg 320. —
45345	Epon 812[®] (Epikote 812) [®] Registered trade mark of Shell	1 lt $\approx$ 1.24 kg	250 ml 14. —	1 lt 50. —
45346	Epon Hardener, DDSA (2-Dodecenylsuccinic anhydride)	1 lt $\approx$ 1.00 kg	250 ml 14. —	1 lt 50. —
45347	Epon Hardener, MNA (Methylnadic anhydride; Methylnorbornene-2,3-3/4; 78° dicarboxylic acid anhydride) $\sim 97\%$ (NT); d_4^{20} 1.233; n_D^{20} 1.506	1 lt $\approx$ 1.23 kg	250 ml 14. —	1 lt 50. —
45348	Epon Accelerator, DMP 30 [2,4,6-Tris(dimethylaminomethyl)phenol] $\sim 97\%$ (NT); d_4^{20} 0.974; n_D^{20} 1.517	1 lt $\approx$ 0.97 kg	250 ml 14. —	1 lt 50. —
19930	1,2-Epoxybutane (1,2-Butylene oxide) 3/1a; -15° $\text{CH}_3\text{CH}_2\text{CHCH}_2\text{O}$ $\text{C}_4\text{H}_8\text{O}$ M_r 72.11 [106-88-7] purum $>99\%$ (GC); B.P. 61-65°; d_4^{20} 0.829; n_D^{20} 1.384	1 lt $\approx$ 0.83 kg	250 ml 9. —	1 lt 30. —
45352	cis-1,2-Epoxy cyclodecane (Cyclodecene oxide) 3/4; 96° $\text{C}_{10}\text{H}_{18}\text{O}$ M_r 154.25 [29587-92-6] purum $>98\%$ (GC); B.P. 238-240°; d_4^{20} 0.968; n_D^{20} 1.484	1 lt $\approx$ 0.97 kg	5 ml 29. —	25 ml 120. —
	9,10-Epoxy-1,5-cyclododecadiene see 28770 1,5,9-Cyclododecatriene monoxide			
	1,2-Epoxy cyclohexane see 29260 Cyclohexene oxide			
	18,20-Epoxy-20,21-dihydroxy-4-pregnen-3-one see 55175 18-Hydroxy-11-deoxycorticosterone			
	1,2-Epoxyethylbenzene see 77950 Styrene oxide			
	6,7-Epoxy-3-ethyl-1-(p-ethylphenoxy)-7-methylnonane (cis + trans) see 45343 Epofenonan			
45361	6,7-Epoxygeranyl 3,4-methylenedioxyphenyl ether purum (Bower-compound) $\text{C}_{17}\text{H}_{22}\text{O}_4$ M_r 290.36 [21213-69-4]		10 mg 145. —	
	1,8-Epoxy-p-menthane see 46090 Eucalyptol			
45362	cis-4,5-Epoxy-2-penten-1-al 3/4; 73° $\text{CH}_2\text{OCHCH:CHCHO}$ $\text{C}_5\text{H}_8\text{O}_2$ M_r 98.10 techn. $\sim 90\%$ (GC) + $\sim 5\%$ trans- + $\sim 5\%$ Diepoxy-compound; store in refrigerator	1 lt $\approx$ 1.10 kg	25 ml 31. —	
45363	trans-4,5-Epoxy-2-penten-1-al 3/4; 73° $\text{CH}_2\text{OCHCH:CHCHO}$ $\text{C}_5\text{H}_8\text{O}_2$ M_r 98.10 techn. $\sim 90\%$ (GC) + $\sim 5\%$ cis + $\sim 5\%$ Diepoxy-compound; store in refrigerator	1 lt $\approx$ 1.10 kg	25 ml 31. —	
	1,2-Epoxypropane see 83230 Propylene oxide			
	2,3-Epoxy-1-propanol see 49931 Glycidol			
	2,3-Epoxypropyl phenyl ether see 78556 Phenyl glycidyl ether			
	2,3-Epoxypropyl... see also Glycidyl...			
45367	N-(2,3-Epoxypropyl)phthalimide purum $>98\%$ (N); M.P. 95-96° $\text{C}_{11}\text{H}_9\text{NO}_3$ M_r 203.20 [5455-98-1]		25 g 24. —	100 g 90. —
	Epoxy-Resin see 31184 D.E.R. ...			
	12,13-Epoxytrichothec-9-ene-3,4,8-tetrol-4,15-diacetate see 90187 T-2 Toxine			
	12,13-Epoxytrichothec-9-ene-3,4,15-triol-4,15-diacetate see 31505 Diacetoxyscirpenol			
	trans,trans-10,11-Epoxy-3,7,11-trimethyl-2,6-dodecadienic acid methyl ester see 59992 C_{16} -Juvenile Hormone			
	EPPS see 54463 4-(2-Hydroxyethyl)piperazine-1-propane-3-sulfonic acid			
45400	Erbium puriss. subl. 99.9% + 0.1% Ho + Trm Er A_r 167.27 [7440-52-0]		1 g 22. —	5 g 90. —
45410	Erbium oxide puriss. 99.9% Er_2O_3 M_r 382.52 [12061-16-4]		5 g 18. —	25 g 75. —
45430	Ergobasine-Chloroform adduct (Ergometrine; Ergonovine) 6.1/81e $\text{C}_{19}\text{H}_{23}\text{N}_3\text{O}_2 \cdot \text{CHCl}_3$ M_r 444.79 [60-79-7] purum M.P. 196-198° dec.; $[\alpha]_{540}^{20} + 45 \pm 3^\circ$; $[\alpha]_D^{20} + 30 \pm 3^\circ$ (c = 1 in Ethanol); Ash $<0.05\%$; store in refrigerator		25 mg 22. —	100 mg 80. —

			sFr.	sFr.
	Ergocalciferol see 95220 Vitamin D ₂			
	Ergometrine see 45430 Ergobasine-Chloroformadduct			
	Ergonovine see 45430 Ergobasine-Chloroformadduct			
	Ergosterol (5,7,22-Ergostatien-3 β -ol; Provitamin D ₂) C ₂₈ H ₄₄ O M _r 396.66 [57-87-4]			
45480	purum >97% (HPLC); M.P. 160-163°; $[\alpha]_{546}^{20} - 164 \pm 3^\circ$; $[\alpha]_D^{20} - 127 \pm 3^\circ$ (c = 1 in Chloroform); Loss on drying <2%; store in refrigerator	10 g 20. —	50 g 85. —	
	Ergosterol irradiated see 95220 Vitamine D ₂			
	Ergotamine-D-tartrate 6.1/81e (C ₃₃ H ₃₅ N ₅ O ₈) ₂ ·C ₄ H ₆ O ₆ M _r 1313.44 [379-79-3]			
45510	purum USP >97% (NT); M.P. ~195° dec.; store in refrigerator	250 mg 29. —	1 g 105. —	
	L(+) -Ergothioneine Dihydrate HNC(SH):NCH:CCH ₂ CH(COO ⁻)N ⁺ (CH ₃) ₃ ·2H ₂ O C ₉ H ₁₅ N ₃ O ₂ S·2H ₂ O M _r 265.33 [497-30-3]			
45520	puriss. M.P. ~270° dec.; $[\alpha]_D^{20} + 123 \pm 3^\circ$ (c = 1 in water); store in refrigerator	250 mg 40. —	1 g 145. —	
	Eriochrome Black T [C.I. Nr. 14645; Sch. Nr. 241] 1-HOC ₁₀ H ₆ -2-N:N-1-C ₁₀ H ₄ -2-OH-4-SO ₃ Na-6-NO ₂ C ₂₀ H ₁₂ N ₃ NaO ₇ S M _r 461.39 [1787-61-7]			
45600	Standard Fluka Metal Indicator for Complexometry (alkali earths and others)	25 g 7. —	100 g 11. —	500 g 46. —
	Eriochrome Blue Black B [C.I. Nr. 14640; Sch. Nr. 239] 1-HOC ₁₀ H ₆ -2-N:N-1-C ₁₀ H ₅ -2-OH-4-SO ₃ Na C ₂₀ H ₁₃ N ₂ NaO ₅ S M _r 416.39 [3564-14-5]			
45540	Standard Fluka Indicator for Complexometry	25 g 7. —	100 g 20. —	
	Eriochrome Blue Black R [C.I. Nr. 15705; Sch. Nr. 240] (Calcon) 2-HOC ₁₀ H ₆ -1-N:N-1-C ₁₀ H ₅ -2-OH-4-SO ₃ Na C ₂₀ H ₁₃ N ₂ NaO ₅ S M _r 416.39 [2538-85-4]			
45550	Standard Fluka Indicator for Complexometry (Al, Fe, Zr)	25 g 7. —	100 g 10. —	500 g 40. —
	Eriochrome Cyanine R [C.I. Nr. 43820; Sch. Nr. 840] 4-HOC ₆ H ₂ -3-COONa-5-CH ₃ C(C ₆ H ₄ -2-SO ₃ Na):C ₆ H ₂ -3-COONa-4-(O)-5-CH ₃ C ₂₃ H ₁₅ Na ₃ O ₉ S M _r 536.40 [3564-18-9]			
45560	Standard Fluka Indicator for Complexometry; for colorimetric determination of Al	25 g 9. —	100 g 28. —	500 g 120. —
	Eriochrome Red B [C.I. Nr. 18760; Sch. Nr. 742] 2-HO-4-NaO ₃ SC ₁₀ H ₅ -1-N:N:C(C(OH)NC ₆ H ₅)N:CCH ₃ C ₂₀ H ₁₅ N ₄ NaO ₅ S M _r 446.42 [3618-63-1]			
45580	Standard Fluka for colorimetric determination of Co	25 g 8. —	100 g 25. —	
	ERL® 4206 see 94956 4-Vinylcyclohexene dioxide			
	Erucic acid (cis-13-Docosenoic acid) CH ₃ (CH ₂) ₇ CH:CH(CH ₂) ₁₁ COOH C ₂₂ H ₄₂ O ₂ M _r 338.58 [112-86-7]			
45629	puriss. Standard for GC; >99% (GC); M.P. 33-34°	1 g 22. —	5 g 90. —	
45650	Erucic acid amide pract. M.P. 78-82° CH ₃ (CH ₂) ₇ CH:CH(CH ₂) ₁₁ CONH ₂ C ₂₂ H ₄₃ NO M _r 337.59 [112-84-5]	100 g 20. —		
	meso-Erythritol (meso-1,2,3,4-Tetrahydroxybutane) HOCH ₂ CH(OH)CH(OH)CH ₂ OH C ₄ H ₁₀ O ₄ M _r 122.12 [149-32-6]			
45670	purum >98 (C, H-Analysis); M.P. 118-120°	25 g 18. —	100 g 65. —	
	Erythropterin (2-Amino-4,6-dihydroxypteridiny-7-pyruvic acid) C ₉ H ₇ N ₅ O ₅ M _r 265.19 [7449-03-8]			
45675	purum M.P. >300°	100 mg 175. —		
45681	D(-)-Erythrose pract. ~80-90%; $[\alpha]_{546}^{20} \xrightarrow{3 \text{ days}} -32 \pm 2^\circ$ (c = 2 in water); contains 10-20% water HOCH ₂ CH(OH)CH(OH)CHO C ₄ H ₈ O ₄ M _r 120.11 [583-50-6]	1 g 50. —		
	Erythrosin extra Bluish [C.I. Nr. 45430; Sch. Nr. 887] (Iodoeosin; 2',4',5',7'-Tetraiodofluorescein Disodium salt) 2-NaOOC ₆ H ₄ C ₆ H ₂ I ₄ -2,4-I ₂ -3-(O)OC ₆ H ₂ I ₄ -6-ONa C ₂₀ H ₆ I ₄ Na ₂ O ₈ M _r 879.87 [16423-68-0]			
45690	Standard Fluka for Microscopy (Bact., Hist.); Adsorption and Fluorescent Indicator	10 g 8. —	50 g 29. —	

			sFr.	sFr.
	Eschenmoser's salt see 40766 N,N-Dimethylmethyleimmonium chloride			
	Escin (Aescin) $C_{64}H_{84}O_{23} \cdot 2H_2O$ M_r 1137.29 [6805-41-0]			
02320	purum >98% (C,H-Analysis); Saponification mixture; $[\alpha]_{540}^{20} - 30 \pm 1^\circ$; $[\alpha]_D^{20} - 25 \pm 1^\circ$ (c = 5 in Methanol)		1 g 8.—	5 g 29.—
	Esculetin (Cichorigenin; 6,7-Dihydroxycoumarin) $(HO)_2C_6H_2OCOCH:CH$ $C_9H_6O_4$ M_r 178.15 [305-01-1]			
02330	purum >98% (C,H-Analysis); M.P. 271-272° dec.		1 g 20.—	5 g 85.—
	Esculetin-6-β-D-glucopyranoside see 02350 Esculin			
	Esculetin-6-methyl ether see 84792 Scopoletin			
	Esculin (Esculetin-6-β-D-glucopyranoside) $C_{15}H_{16}O_9 \cdot 1\frac{1}{2}H_2O$ M_r 367.31 [531-75-9]			
02350	purum >98% (HPLC); M.P. ~215° dec.; $[\alpha]_{540}^{20} - 48 \pm 2^\circ$; $[\alpha]_D^{20} - 40 \pm 1^\circ$ (c = 5 in Pyridine)		10 g 20.—	50 g 85.—
	Eserine (Physostigmine)- 6.1/81e $C_{15}H_{21}N_3O_2$ M_r 275.35 [57-47-6]			
45710	purum ~99% (N); M.P. 102-104°; $[\alpha]_{540}^{20} - 91.5 \pm 1^\circ$; $[\alpha]_D^{20} - 77.5 \pm 1^\circ$ (c = 1.7 in Chlf.)		1 g 38.—	5 g 160.—
	Eserine salicylate (Physostigmine salicylate) 6.1/81e $C_{15}H_{21}N_3O_2 \cdot C_7H_6O_3$ M_r 413.48 [57-64-7]			
45720	purum M.P. 181-183°; $[\alpha]_{540}^{20} - 92 \pm 2^\circ$; $[\alpha]_D^{20} - 77 \pm 2^\circ$ (c = 1 in Ethanol); 1 g clearly soluble in 10 ml Methanol		1 g 25.—	5 g 105.—
	β-Estradiol (1,3,5-Estratrien-3,17β-diol) $C_{18}H_{24}O_2$ M_r 272.39 [50-28-2]			
75260	puriss. p.a. Standard for photometric Estrogen determination; M.P. 175-176°; $[\alpha]_{540}^{20} + 95 \pm 4^\circ$; $[\alpha]_D^{20} + 80 \pm 4^\circ$ (c = 1 in Dioxane)		25 mg 31.—	
75262	purum Ph. Helv.; M.P. 175-178°; $[\alpha]_{540}^{20} + 95 \pm 5^\circ$; $[\alpha]_D^{20} + 80 \pm 4^\circ$ (c = 1 in Dioxane)		1 g 14.—	5 g 60.—
	β-Estradiol 3-benzoate (3-Benzoyloxy-17β-estrole) $C_{25}H_{28}O_3$ M_r 376.50 [50-50-0]			
75270	puriss. USP; Ph. Eur.; >99% (HPLC); M.P. 194-196°; $[\alpha]_{540}^{20} + 70 \pm 2^\circ$; $[\alpha]_D^{20} + 60 \pm 2^\circ$ (c = 2 in Dioxane)		1 g 20.—	
	1,3,5-Estratrien-3-ol-17-one see 75300 Estrone			
	1,3,5-Estratrien-3,17β-diol see 75260 β-Estradiol			
	1,3,5-Estratrien-3β,16α,17β-triol see 75290 Estriol			
	Estriol (1,3,5-Estratrien-3β,16α,17β-triol) $C_{18}H_{24}O_3$ M_r 288.39 [50-27-1]			
75290	puriss. p.a. Standard for photometric Estrogen determination; M.P. 280-282°; $[\alpha]_{540}^{20} + 68 \pm 5^\circ$; $[\alpha]_D^{20} + 58 \pm 5^\circ$ (c = 1 in Dioxane)		25 mg 31.—	
75292	purum M.P. 280-282°; $[\alpha]_{540}^{20} + 68 \pm 2^\circ$; $[\alpha]_D^{20} + 57 \pm 2^\circ$ (c = 1 in Dioxane)		100 mg 8.—	1 g 50.—
	Estrone (Folliculin; 1,3,5-Estratrien-3-ol-17-one) $C_{18}H_{22}O_2$ M_r 270.38 [53-16-7]			
75300	puriss. p.a. Standard for photometric Estrogen determination; >99% (HPLC); M.P. 260-261°; $[\alpha]_{540}^{20} + 197 \pm 2^\circ$; $[\alpha]_D^{20} + 162 \pm 2^\circ$ (c = 1 in Dioxane)		25 mg 46.—	
75302	purum USP; Ph. Eur.; >98% (HPLC); M.P. 259-262°; $[\alpha]_{540}^{20} + 197 \pm 3^\circ$; $[\alpha]_D^{20} + 162 \pm 3^\circ$ (c = 1 in Dioxane)		1 g 14.—	5 g 60.—
	Ethane (Alkane C_2) 2/12 CH_3CH_3 C_2H_6 M_r 30.07 [74-84-0]			
02362	puriss. 99.97% (GC) + Ethylene; d_4^{20} 0.362	Cyl. with 0.5 lt, net ~150 g	560.—	
02364		Cyl. with 1.0 lt, net ~300 g	720.—	
02372	purum >99% (GC) + Methane + Ethylene + Propane + CO_2 ; B.P. -88.7°; d_4^{20} 0.362	Cyl. with 1.0 lt, net ~300 g	320.—	
	1,2-Ethanediol see 03750 Ethylene glycol			
	1,2-Ethanedithiobis-(trimethylsilane) [S,S-Bis-(trimethylsilyl)-1,2-ethanedithiol] $(CH_3)_3SiSCH_2CH_2SSi(CH_3)_3$ $C_8H_{22}S_2Si_2$ M_r 238.56			
02380	purum	1 lt ≈ 1.00 kg	25 ml 46.—	

					sFr.	sFr.
1,2-Ethanedithiol (1,2-Dimercaptoethan; Dithioglycol; Ethylene mercaptan)						
2390	3/3; 45°	HSCH ₂ CH ₂ SH C ₂ H ₆ S ₂ M _r 94.20 [540-63-6]				
		purum >98%(GC); B.P. 144-146°; d ₄ ²⁰ 1.12; n _D ²⁰ 1.558; stench	1 lt ≈ 1.12 kg	25 ml 7.—	100 ml 20.—	500 ml 85.—
Ethane sulfochloride						
2420	8/11a	C ₂ H ₅ SO ₂ Cl C ₂ H ₅ ClO ₂ S M _r 128.58 [594-44-5]				
		purum >98%(Cl); B.P. ₁₃ 56°; d ₄ ²⁰ 1.357; n _D ²⁰ 1.453	1 lt ≈ 1.36 kg		10 ml 14.—	50 ml 60.—
Ethane sulfonic acid						
2424		C ₂ H ₅ SO ₃ H C ₂ H ₆ O ₃ S M _r 110.13 [594-45-6]				
		purum >99%(T); B.P. _{0.05} 110°; d ₄ ²⁰ 1.343; n _D ²⁰ 1.434	1 lt ≈ 1.34 kg		5 ml 15.—	25 ml 63.—
Ethanethiol (Ethyl mercaptan; Mercaptan C ₂)						
4290	3/1a; <-10°	C ₂ H ₅ SH C ₂ H ₆ S M _r 62.13 [75-08-1]				
		purum >97%(GC); B.P. 34-37°; d ₄ ²⁰ 0.84; n _D ²⁰ 1.43; stench	1 lt ≈ 0.84 kg		250 ml 9.—	500 ml 16.—
Ethanol-d₁ (Ethyl alcohol-d ₁)						
31260	3/5; 14°	C ₂ H ₅ OD C ₂ H ₅ DO M _r 47.08 [925-93-9]				
		puriss. abs. >99.5 Atom% D; <0.05% H ₂ O+D ₂ O (with Fluka-Guarantee)	1 lt ≈ 0.81 kg		10 ml 18.—	50 ml 75.—
Ethanol-d₆ ~96% in D ₂ O (Hexadeutero ethanol)						
52392	3/5; 14°	CD ₃ CD ₂ OD C ₂ D ₆ O M _r 52.10 [1516-08-1]				
		purum >99 Atom% D; d ₄ ²⁰ 0.90; <0.02% H ₂ O + D ₂ O	1 lt ≈ 0.90 kg		1 ml 40.—	5 ml 170.—
Ethanolamine (2-Aminoethanol; 2-Aminoethyl alcohol; Monoethanolamine)						
02400	8/35; 93°	NH ₂ CH ₂ CH ₂ OH C ₂ H ₇ NO M _r 61.08 [141-43-5]				
		puriss. p.a. M.P. 10-12°; B.P. ₁₀ 69-70°; d ₄ ²⁰ 1.015; n _D ²⁰ 1.454	1 lt ≈ 1.02 kg		250 ml 8.—	1 lt 22.—
		Fluka-Guarantee:				
		Assay (GC/NT) >99.0 % Cobalt (Co) <0.00001%				
		Residue on evaporation <0.1 % Nickel (Ni) <0.00001%				
		Iron (Fe) <0.00005% Cadmium (Cd) <0.00001%				
		Copper (Cu) <0.00001% Zinc (Zn) <0.00001%				
		Lead (Pb) <0.00001%				
02410		purum >98%(GC); M.P. 7-10°; B.P. ₁₀ 68-70°; d ₄ ²⁰ 1.02; n _D ²⁰ 1.454	1 lt ≈ 1.02 kg		1 lt 12.—	2.5 lt 26.—
Ether see 31670 Diethyl ether						
46065		Ethidium bromide pract. ~95%(Br)			1 g 20.—	5 g 85.—
		C ₂₁ H ₂₀ BrN ₃ M _r 394.33 [1239-45-8]				
Ethynyl phenyl carbinol see 78980 1-Phenyl-2-propyn-1-ol						
L-Ethionine [2-Amino-4-(ethylthio)butyric acid; 4-Ethylmercapto-2-aminobutyric acid]						
02490		C ₂ H ₅ SCH ₂ CH ₂ CH(NH ₂)COOH C ₆ H ₁₃ NO ₂ S M _r 163.24 [13073-35-3]				
		puriss. CHR >99%(NT); M.P. ~285° dec.; [α] _D ²⁰ +27±1°; [α] _D ²⁰ +23±1° (c=2 in 5n HCl); Ash <0.05%			1 g 12.—	5 g 50.—
02510		DL-Ethionine puriss. CHR; >99%(NT); M.P. ~275° dec.			10 g 22.—	50 g 90.—
		C ₂ H ₅ SCH ₂ CH ₂ CH(NH ₂)COOH C ₆ H ₁₃ NO ₂ S M _r 163.24 [67-21-0]				
"Ethocel" see 46070 Ethyl cellulose						
02680		Ethoxy acetic acid purum >98%(GC); B.P. ₉ 102° (Lit.); d ₄ ²⁰ 1.10; n _D ²⁰ 1.419	1 lt ≈ 1.10 kg		25 ml 14.—	100 ml 50.—
		C ₂ H ₅ OCH ₂ COOH C ₄ H ₈ O ₃ M _r 104.11 [627-03-2]				
Ethoxyacetylene						
02520	3/1a; -23°	C ₂ H ₅ OC≡CH C ₄ H ₆ O M _r 70.09 [927-80-0]				
		techn. ~60% in Hexane; d ₄ ²⁰ 0.748; n _D ²⁰ 1.387; store in refrigerator	1 lt ≈ 0.74 kg		5 ml 50.—	
6-Ethoxy-2-aminobenzothiazole see 02561 2-Amino-6-ethoxybenzothiazole						
2-, 3- and 4-Ethoxyaniline see 77540, 77550 and 77560 o-, m- and p-Phenetidine						
2-Ethoxybenzaldehyde						
02565	3/4	C ₂ H ₅ OC ₆ H ₄ CHO C ₉ H ₁₀ O ₂ M _r 150.19 [613-69-4]				
		purum >98%(GC); M.P. 18-20°; d ₄ ²⁰ 1.082; n _D ²⁰ 1.543	1 lt ≈ 1.08 kg		50 ml 11.—	250 ml 46.—
4-Ethoxybenzaldehyde						
02567	3/4; 75°	C ₂ H ₅ OC ₆ H ₄ CHO C ₉ H ₁₀ O ₂ M _r 150.18 [10031-82-0]				
		purum >99%(GC); M.P. 14-16°; d ₄ ²⁰ 1.081; n _D ²⁰ 1.559	1 lt ≈ 1.08 kg		25 ml 14.—	100 ml 50.—



			sFr.	sFr.
	Ethoxybenzene see 77600 Phenetole			
	6-Ethoxy-2-benzothiazolamine see 02561 2-Amino-6-ethoxybenzothiazole			
	1-Ethoxy-1-(4-bromophenoxy)-ethane (Acetaldehyde ethyl-(4-bromophenyl)-acetal; 4-(1-Ethoxy-ethoxy)-bromobenzene) $\text{BrC}_6\text{H}_4\text{OCH}(\text{CH}_3)\text{OCH}_2\text{CH}_3$ $\text{C}_{10}\text{H}_{13}\text{BrO}_2$ M_r 245.12 [39255-20-4] pract. 90-95% (GC); B.P. 130-132°; d_4^{20} 1.325; n_D^{20} 1.522			
02570		1 lt $\approx$ 1.32 kg	100 ml 30. —	500 ml 125. —
	Ethoxycarbonyl-2-amino-4,5-dihydrofurane see 06660 2-Amino-3-ethoxycarbonyl-4,5-dihydrofurane			
	2-Ethoxycarbonylcyclohexanone see 29161 Ethyl cyclohexanone-2-carboxylate			
	2-Ethoxycarbonylcyclopentanone see 29780 Ethyl cyclopentanone-2-carboxylate			
	(Ethoxycarbonylmethylene)triphenylphosphorane ((Carbethoxymethylene)triphenylphosphorane) 6.1/81a $(\text{C}_6\text{H}_5)_3\text{P}:\text{CHCOOC}_2\text{H}_5$ $\text{C}_{22}\text{H}_{21}\text{O}_2\text{P}$ M_r 348.38 [1099-45-2] pract. $\sim$ 95% (NT); M.P. 115-120°; limited shelf life			
02605			5 g 15. —	25 g 63. —
	Ethoxycarbonyl-methylphosphonic acid dimethyl ester see 02610 Ethyl dimethyl-phosphonoacetate			
	N-Ethoxycarbonylphthalimide (N-Carbethoxyphthalimide; Ethyl 1,3-dioxo-2-isoindolinecarboxylate) $\text{C}_8\text{H}_4\text{CON}(\text{COOC}_2\text{H}_5)\text{CO}$ $\text{C}_{11}\text{H}_9\text{NO}_4$ M_r 219.20 [22509-74-6] puriss. $>99\%$ (NT); M.P. $\sim 80^\circ$; For the preparation of phthaloylamino acids; E. Wünsch in Houben-Weyl 15/1, 252 (1974)			
02620			100 g 22. —	500 g 90. —
	1-Ethoxycarbonylpiperazine (Ethyl piperazine-1-carboxylate; Piperazine-1-carboxylic acid ethyl ester) $\text{CH}_2\text{CH}_2\text{NHCH}_2\text{CH}_2\text{NCOOC}_2\text{H}_5$ $\text{C}_7\text{H}_{14}\text{N}_2\text{O}_2$ M_r 158.20 [120-43-4] purum $>98\%$ (GC); B.P. 243-245°; d_4^{20} 1.087; n_D^{20} 1.478			
02630		1 lt $\approx$ 1.09 kg	10 ml 8. —	50 ml 26. —
	3-Ethoxycarbonyl-4-piperidone hydrochloride (3-Carbethoxy-4-piperidone hydrochloride; 4-Piperidone-3-carboxylic acid ethyl ester hydrochloride) $\text{COCH}_2\text{CH}_2\text{NHCH}_2\text{CHCOOC}_2\text{H}_5 \cdot \text{HCl}$ $\text{C}_8\text{H}_{13}\text{NO}_3 \cdot \text{HCl}$ M_r 207.66 [4644-61-5] pract. $>98\%$ (Cl); M.P. 168-172° dec.			
02640			5 g 24. —	25 g 100. —
	2-Ethoxy-2-cyclohexenone 3/4; 85° $\text{C}_2\text{H}_5\text{OC}:\text{CHCH}_2\text{CH}_2\text{CH}_2\text{CO}$ $\text{C}_8\text{H}_{12}\text{O}_2$ M_r 140.18 [29941-82-0] purum $>98\%$ (GC); B.P. 232-235°; d_4^{20} 1.048; n_D^{20} 1.494			
02645		1 lt $\approx$ 1.05 kg	10 ml 25. —	50 ml 105. —
	3-Ethoxy-2-cyclohexenone $\text{COCH}:\text{C}(\text{OC}_2\text{H}_5)\text{CH}_2\text{CH}_2\text{CH}_2$ $\text{C}_8\text{H}_{12}\text{O}_2$ M_r 140.18 [5323-87-3] purum $>98\%$ (GC); B.P. 118-119°; d_4^{20} 1.04; n_D^{20} 1.505			
02648		1 lt $\approx$ 1.04 kg	10 ml 32. —	50 ml 135. —
	2-Ethoxyethanol (Cellosolve; Ethylene glycol monoethyl ether; Ethylglycol) 3/3; 42° $\text{C}_2\text{H}_5\text{OCH}_2\text{CH}_2\text{OH}$ $\text{C}_4\text{H}_{10}\text{O}_2$ M_r 90.12 [110-80-5] puriss. p.a. $>99.5\%$ (GC); B.P. 135-136°; d_4^{20} 0.931; n_D^{20} 1.408 purum $>99\%$ (GC); B.P. 134-137°; d_4^{20} 0.931; n_D^{20} 1.408			
02530		1 lt $\approx$ 0.93 kg	250 ml 10. —	1 lt 32. —
02540		1 lt $\approx$ 0.93 kg	1 lt 9. —	5 lt 32. —
	4-(1-Ethoxy-ethoxy)-bromobenzene see 02570 1-Ethoxy-1-(4-bromophenoxy)-ethane			
	2-Ethoxy-1-ethoxycarbonyl-1,2-dihydroquinoline , EEDQ (Ethyl 1,2-dihydro-2-ethoxy-1-quinoline carboxylate) $\text{C}_{14}\text{H}_{17}\text{NO}_3$ M_r 247.30 [16357-59-8] purum $>99\%$ (NT); M.P. 64-67°			
02541			10 g 11. —	50 g 44. —
	2-(2-Ethoxyethoxy)ethanol see 32230 Diethylene glycol monoethyl ether			
	2-(2-Ethoxyethoxy)ethyl acetate see 32240 Diethylene glycol monoethyl ether acetate			
	2-Ethoxyethyl acetate see 00820 1-Acetoxy-2-ethoxyethane			
	2-Ethoxyethyl acrylate (Ethylene glycol monoethyl ether acrylate) $\text{CH}_2:\text{CHCOOCH}_2\text{CH}_2\text{OC}_2\text{H}_5$ $\text{C}_7\text{H}_{12}\text{O}_3$ M_r 144.17 pract. stab. with 0.005% Hydroquinone-monomethyl ether			
01740		1 lt $\approx$ 0.98 kg	100 ml 11. —	500 ml 46. —
	Ethoxyethylene see 05010 Ethyl vinyl ether			
	2-Ethoxyethyl ether see 32190 Diethylene glycol diethyl ether			
	2-Ethoxyethyl methacrylate 3/4; 71° $\text{CH}_2:\text{C}(\text{CH}_3)\text{COOCH}_2\text{CH}_2\text{OC}_2\text{H}_5$ $\text{C}_9\text{H}_{14}\text{O}_3$ M_r 158.20 [2370-63-0] purum $>99\%$ (GC); stab. with 0.1% Hydroquinone; B.P. 91-95° (Lit.); d_4^{20} 0.964; n_D^{20} 1.429			
64060		1 lt $\approx$ 0.96 kg	250 ml 10. —	1 lt 35. —

					sFr.	sFr.
	Ethoxyformic acid anhydride see 32490 Diethyl pyrocarbonate					
	3-Ethoxy-2-hydroxybenzaldehyde (3-Ethoxy-salicylaldehyde; "o-Ethylvanillin") C ₂ H ₅ OC ₆ H ₃ (OH)CHO C ₉ H ₁₀ O ₃ M _r 166.18 [492-88-6] purum ~97%(T); M.P. 63-65°					
02700					100 g	25. —
02710	3-Ethoxy-4-hydroxybenzaldehyde purum ~98%(T); M.P. 74-77° ("Ethylvanillin") C ₂ H ₅ OC ₆ H ₃ (OH)CHO C ₉ H ₁₀ O ₃ M _r 166.18 [121-32-4]					
					25 g	7. —
					100 g	20. —
	3-Ethoxy-2-methylacrolein (3-Ethoxy-2-methylpropenal) 6.1/61 C ₂ H ₅ OCH:C(CH ₃)CHO C ₆ H ₁₀ O ₂ M _r 114.15 [42588-57-8] purum >97%(GC); B.P. 200-202°; d ₄ ²⁰ 0.957; n _D ²⁰ 1.480; store in refrigerator					
02731				1 lt ≈ 0.96 kg	100 ml	28. —
					500 ml	120. —
02760	Ethoxymethylenemalononitrile purum ~97%(NT); M.P. 65-67° 6.1/21 C ₂ H ₅ OCH:C(CN) ₂ C ₆ H ₆ N ₂ O M _r 122.13 [123-06-8]					
					25 g	21. —
					100 g	75. —
	3-Ethoxy-2-methylpropenal see 02731 3-Ethoxy-2-methylacrolein					
	2-Ethoxynaphthalene see 04530 Ethyl 2-naphthyl ether					
	1-Ethoxy-4-nitrobenzene see 73531 4-Nitrophenetole					
	2-Ethoxyphenol see 15911 Pyrocatechol monoethyl ether					
	α-Ethoxy-α-phenylacetophenone see 12512 Benzoin ethyl ether					
	(2-Ethoxy-1-propenyl)-triphenylphosphonium iodide C ₂ H ₅ OC(CH ₃):CHP(J)(C ₆ H ₅) ₃ C ₂₃ H ₂₄ JOP M _r 474.32 [62639-97-8] purum >99%(NT); M.P. 154-159°; Starting material for the preparation of 2-ethoxyallylidene triphenylphosphorane a new reagent for cyclohexenone annulation: S. F. Martin, S. R. Desai, J. Org. Chem. 42, 1664 (1977)					
02780					5 g	17. —
					25 g	70. —
	3-Ethoxypropionitrile 6.1/2b; 66° C ₂ H ₅ OCH ₂ CH ₂ CN C ₅ H ₉ NO M _r 99.13 [2141-62-0] pract. >95%(GC); B.P. 172-174°; d ₄ ²⁰ 0.911; n _D ²⁰ 1.407					
02790				1 lt ≈ 0.91 kg	250 ml	11. —
					1 lt	35. —
	3-Ethoxypropylamine 3/3; 33° C ₂ H ₅ O(CH ₂) ₃ NH ₂ C ₅ H ₁₃ NO M _r 103.17 [6291-85-6] purum >98%(GC); B.P. 136-138°; d ₄ ²⁰ 0.858; n _D ²⁰ 1.418					
02800				1 lt ≈ 0.86 kg	100 ml	12. —
					500 ml	50. —
	3-Ethoxysalicylaldehyde see 02700 3-Ethoxy-2-hydroxybenzaldehyde					
	Ethoxytrimethylsilane see 92230 Trimethylethoxysilane					
02825	N-Ethylacetamide purum >98%(GC); B.P. 205° (Lit.); d ₄ ²⁰ 0.93; n _D ²⁰ 1.432 CH ₃ CONHC ₂ H ₅ C ₄ H ₉ NO M _r 87.12 [625-50-3]					
				1 lt ≈ 0.93 kg	100 ml	22. —
					500 ml	90. —
	Ethyl acetate 3/1a; -2° CH ₃ COOC ₂ H ₅ C ₄ H ₈ O ₂ M _r 88.11 [141-78-6]					
45759	For Sequential analysis					
45762	for UV					
	Fluka-Guarantee:					
	Layer thickness: 1 cm; reference cell: water					
	Wave length in nm: 255 260 270 280					
	Transmittance in %: 15 75 95 >98					
45761	for pesticide residue analysis; Distilled in Glass; Original packaging of Burdick and Jackson Laboratories Inc.					
				1 quart ≈ 0.95 lt	25. —	
45763	for HPLC; n _D ²⁰ 1.372; UV cut-off 253 nm; solvent strength ε (Al ₂ O ₃) 0.58; H ₂ O <0.05%					
				1 lt ≈ 0.90 kg	1 lt	14. —
45760	puriss. p.a. abs.; B.P. 76-77°; d ₄ ²⁰ 0.900; n _D ²⁰ 1.372					
				1 lt ≈ 0.90 kg	1 lt	13. —
	Fluka-Guarantee:					
	Assay (GC)	>99.5 %	Lead (Pb)	<0.00001%		
	Water (H ₂ O)	<0.3 %	Cobalt (Co)	<0.00001%		
	Residue on evaporation	<0.005 %	Nickel (Ni)	<0.00001%		
	Free Acetic acid	<0.005 %	Cadmium (Cd)	<0.00001%		
	Iron (Fe)	<0.00005%	Zinc (Zn)	<0.00001%		
	Copper (Cu)	<0.00001%				
45770	purum Ph. Helv. >99%(GC); B.P. 75-77°; d ₄ ²⁰ 0.896; n _D ²⁰ 1.371; may contain traces C ₂ H ₅ OH					
				1 lt ≈ 0.90 kg	1 lt	11. —
45780	purum DAB free of alcohol >99%(GC); B.P. 75-77°; d ₄ ²⁰ 0.899; n _D ²⁰ 1.371					
				1 lt ≈ 0.90 kg	1 lt	11. —
					5 lt	44. —



Ethyl acetaminophen hydrochloride

CC(=O)Nc1ccc(OCC)cc1 $C_{10}H_{11}ClNO_2$ M, 223.68 (2006-07-3)

22521

puriss. 99% (GC) M.P. 100-102°C. Reagent for the determination of
ethanol in a solution. M. J. Smith, M. L. Loring, *Methods in Pharmacology*, 2
1980 (1980)

20 g 40 -

Ethyl acetate

3-4 55' CC(=O)OCC $C_4H_8O_2$ M, 88.10 (1981-07-3)

22522

puriss. D.S. B.P. 100-102°C d₄²⁰ 0.9017 n_D²⁰ 1.4133 (bimolecular for
complementary action of Ref. 2, Anal. Chem. 198 253 (1961))

1 R = 1.03 kg

100 ml 2 -

50

Purity-Quantities

Acids (CO)	>99.0 %	Lead (Pb)	<0.0001 %
Water (H ₂ O)	<0.05 %	Cadmium (Cd)	<0.0001 %
Iron (Fe)	<0.0005 %	Zinc (Zn)	<0.0001 %
Copper (Cu)	<0.0001 %		

22523

puriss. 99% (GC) B.P. 100-102°C d₄²⁰ 0.9017 n_D²⁰ 1.4133

1 R = 1.03 kg

1 R 15 -

Ethyl acetate Sodium salt (ethn. 90-95%)

20 g 9 -

CC(=O)OCC[Na] $C_4H_7NaO_2$ M, 152.13 (1980-07-01)

Ethyl acetoacrylate Ethyl N-acetoacrylate

3-4 CC(=O)N=C(C)CC $C_7H_{10}O_2$ M, 126.12 (1980-12-2)

22524

puriss. 99% (GC) M.P. 23-25°C A strong compound for the preparation of
O-methylacetylacrylate (acetylacrylate) and other esters. Review:
Y. Tamura, J. Minamide, M. Kato, *Synthesis* 1 (1977)

10 g 20 -

Ethyl acrylate (Acrylic acid ethyl ester)

3-12 8' CH_2=CHCOOCC $C_5H_8O_2$ M, 100.12 (1980-08-31)

22525

puriss. 99% (GC) B.P. 99-100°C d₄²⁰ 0.921 n_D²⁰ 1.416

std. with 2.2% Hydroquinone-monoethyl ether 1 R = 0.92 kg 250 ml 7 -

1 R 15 -

Ethylal see 47542 Formate (or diethyl ester)

Ethyl alcohol

3-5 14' CCO C_2H_6O M, 46.07 (1981-17-5)

Distribution and use of the following types of ethyl alcohol are controlled by the
Swiss Federal Alcohol Administration. Orders must be accompanied by their
authorization. Exceptions: Swiss hospitals, physicians and scientific laboratories
may place permission-free orders up to 25 tons per year for their own use.

22526

for UV Spectroscopy 96% (v/v) E 13

1 R = 0.81 kg

500 ml 13 -

1 R 25 -

Purity-Quantities

Layer thickness: 1 cm; reference cell: water

Wave length in nm	210	220	230	250	270
Transmittance in %	50	55	72	90	>98

22527

for HPLC, S.P. 30' n_D²⁰ 1.364 UV cut-off 220 nm, solvent strength
c (H₂O) 0.88 H₂O <0.2%

1 R = 0.79 kg

1 R 16 -

22528

puriss. D.S. Absolute Ph. Heb. S.P. 79.51' n_D²⁰ 1.362

1 R = 0.79 kg

1 R 15 -

Purity-Quantities

Assay (CO)	>99.9 Vol%	Lead (Pb)	<0.00001 %
Water (H ₂ O)	<0.2 %	Cobalt (Co)	<0.00001 %
Residue on evaporation	<0.001 %	Nickel (Ni)	<0.00001 %
Free Acid (as CH ₃ COOH)	<0.0005 %	Copper (Cu)	<0.00001 %
Methanol	<0.2 %	Zinc (Zn)	<0.00001 %
Aldehyde (as CH ₃ CHO)	<0.001 %	Iron (Fe)	<0.00005 %
Formaldehyde (HCHO)	<0.001 %	Cadmium (Cd)	<0.00001 %
Ketones (as Acetone)	<0.01 %		

22529

puriss. D.S. Ph. Heb.

1 R = 0.81 kg

1 R 14 -

Purity-Quantities

Assay	>96 Vol%	Iron (Fe)	<0.00005 %
Residue on evaporation	<0.001 %	Copper (Cu)	<0.00001 %
Free Acid (as CH ₃ COOH)	<0.0005 %	Lead (Pb)	<0.00001 %
Methanol	<0.2 %	Cobalt (Co)	<0.00001 %
Aldehyde (as CH ₃ CHO)	<0.001 %	Nickel (Ni)	<0.00001 %
Ketones (as Acetone)	<0.01 %	Cadmium (Cd)	<0.00001 %
Formaldehyde (HCHO)	<0.001 %	Zinc (Zn)	<0.00001 %

22530

puriss. absolute denatured with 1% Toluene

>96 Vol% B.P. 79.51' n_D²⁰ 1.362

H₂O <0.2%

1 R = 0.79 kg

1 R 8 -

5 R 26 -

22531

for Sequencing analysis

1 R = 0.81 kg

500 ml 20 -

22532

puriss. denatured with 2% Toluene, 96 Vol%

1 R = 0.81 kg

1 R 8 -

5 R 24 -

22533

puriss. denatured

1 R = 0.81 kg

1 R 7 -

sFr.

sFr.

Ethyl anthranilate

10700	$\text{NH}_2\text{C}_6\text{H}_4\text{COOC}_2\text{H}_5$ $\text{C}_9\text{H}_{11}\text{NO}_2$ M_r 165.19 [94-09-7]				
	purum >99%(GC); M.P. 12-15°; B.P. 266-268°; d_4^{20} 1.118; n_D^{20} 1.564		1 lt ≈ 1.12 kg	100 ml 28. —	500 ml 120. —

Ethylbenzene

03080	3/1a; 20° $\text{C}_6\text{H}_5\text{C}_2\text{H}_5$ C_8H_{10} M_r 106.17 [100-41-4]				
	puriss. p.a. >99%(GC) + Toluene <0.3%; B.P. 134-137°; d_4^{20} 0.867; n_D^{20} 1.495		1 lt ≈ 0.87 kg	1 lt 12. —	2.5 lt 26. —

2-Ethyl-1,2-benzisoxazolium tetrafluoroborate

03075	$\text{C}_6\text{H}_4\text{ON}(\text{C}_2\text{H}_5)(\text{BF}_4) \cdot \text{CH}$ $\text{C}_9\text{H}_{10}\text{NO} \cdot \text{BF}_4$ M_r 234.99 [4611-62-5]				
	purum >98%(N); M.P. 108-110°; "peptide coupling reagent": D. S. Kemp et al., Tetrahedron 30, 3677, 3955, 3969 (1974)			5 g 24. —	25 g 100. —

12360	Ethyl benzoate purum >99%(GC); B.P. 108-90°; d_4^{20} 1.046; n_D^{20} 1.505		1 lt ≈ 1.05 kg	250 ml 12. —	1 lt 40. —
	3/4; 93° $\text{C}_6\text{H}_5\text{COOC}_2\text{H}_5$ $\text{C}_9\text{H}_{10}\text{O}_2$ M_r 150.18 [93-89-0]				

Ethyl benzoylacetate (Benzoylacetic acid ethyl ester)

12980	$\text{C}_6\text{H}_5\text{COCH}_2\text{COOC}_2\text{H}_5$ $\text{C}_{11}\text{H}_{12}\text{O}_3$ M_r 192.22 [94-02-0]		1 lt ≈ 1.12 kg	100 ml 20. —	500 ml 85. —
	purum redest. >97%(T); B.P. 110-112°; d_4^{20} 1.117; n_D^{20} 1.531		1 lt ≈ 1.12 kg	100 ml 10. —	500 ml 37. —
12990	techn. ~90%(T); d_4^{20} 1.117; n_D^{20} 1.52-1.53				

03100	N-Ethylbenzylamine purum >97%(NT); B.P. 93-95° (Lit.)		1 lt ≈ 0.92 kg	250 ml 20. —	1 lt 70. —
	8/35; 69° $\text{C}_6\text{H}_5\text{CH}_2\text{NHCH}_2\text{CH}_3$ $\text{C}_9\text{H}_{13}\text{N}$ M_r 135.21 [14321-27-8]				

N-Ethyl-N-benzylaniline see 03110 N-Benzyl-N-ethylaniline**Ethyl bromide** (Bromoethane)

03150	6.1/61a $\text{C}_2\text{H}_5\text{Br}$ M_r 108.97 [74-96-4]				
	purum ~99%(GC); B.P. 37-39°; d_4^{20} 1.457; n_D^{20} 1.425		1 lt ≈ 1.46 kg	250 ml 9. —	1 lt 30. —

Ethyl bromoacetate

17020	6.1/61h; 58° $\text{BrCH}_2\text{COOC}_2\text{H}_5$ $\text{C}_4\text{H}_7\text{BrO}_2$ M_r 167.01 [105-36-2]				
	pract. >98%(GC); B.P. 156-160°; d_4^{20} 1.50; n_D^{20} 1.45; severe lachrymator		1 lt ≈ 1.50 kg	100 ml 11. —	500 ml 44. —
				500 ml 44. —	1 lt 85. —

Ethyl 2-bromobutyrate

16520	3/4; 56° $\text{CH}_3\text{CH}_2\text{CHBrCOOC}_2\text{H}_5$ $\text{C}_6\text{H}_{11}\text{BrO}_2$ M_r 195.06 [533-68-6]				
	purum >98%(GC); B.P. 59-61°; d_4^{20} 1.328; n_D^{20} 1.448		1 lt ≈ 1.33 kg	100 ml 12. —	500 ml 50. —

Ethyl 4-bromobutyrate

16540	3/4; 58° $\text{Br}(\text{CH}_2)_3\text{COOC}_2\text{H}_5$ $\text{C}_6\text{H}_{11}\text{BrO}_2$ M_r 195.06 [2969-81-5]				
	purum >97%(GC); B.P. 58°; d_4^{20} 1.35; n_D^{20} 1.456; store in refrigerator		1 lt ≈ 1.35 kg	100 ml 25. —	500 ml 105. —
16539	techn. ~90%(GC); d_4^{20} 1.35; n_D^{20} 1.455		1 lt ≈ 1.35 kg	250 ml 16. —	1 lt 55. —

Ethyl 2-bromocaprate see 16870 Ethyl 2-bromodecanoate**Ethyl 2-bromocaprylate** (Ethyl 2-bromooctanoate)

17870	$\text{CH}_3(\text{CH}_2)_5\text{CHBrCOOC}_2\text{H}_5$ $\text{C}_{10}\text{H}_{19}\text{BrO}_2$ M_r 251.17 [5445-29-4]				
	pract. ~95%(GC); B.P. 137-140° (Lit.); d_4^{20} 1.167; n_D^{20} 1.452		1 lt ≈ 1.18 kg	50 ml 18. —	250 ml 75. —

Ethyl 2-bromodecanoate (Ethyl 2-bromocaprate)

16870	$\text{CH}_3(\text{CH}_2)_7\text{CHBrCOOC}_2\text{H}_5$ $\text{C}_{12}\text{H}_{23}\text{BrO}_2$ M_r 279.22 [6974-85-2]				
	purum >97%(GC); d_4^{20} 1.127; n_D^{20} 1.454		1 lt ≈ 1.13 kg	50 ml 50. —	

16990	Ethyl 2-bromododecanoate purum (Ethyl 2-bromolaurate)		1 lt ≈ 1.10 kg	50 ml 34. —	
	$\text{CH}_3(\text{CH}_2)_9\text{CHBrCOOC}_2\text{H}_5$ $\text{C}_{14}\text{H}_{27}\text{BrO}_2$ M_r 307.28 [6974-87-4]				

Ethyl 2-bromoheptanoate (Ethyl 2-bromooenanthate)

17270	$\text{CH}_3(\text{CH}_2)_4\text{CHBrCOOC}_2\text{H}_5$ $\text{C}_9\text{H}_{17}\text{BrO}_2$ M_r 237.14 [5333-88-0]				
	purum >98%; B.P. 109° (Lit.); d_4^{20} 1.201; n_D^{20} 1.452		1 lt ≈ 1.20 kg	250 ml 40. —	

Ethyl α-bromoisobutyrate

17440	3/4; 57° $(\text{CH}_3)_2\text{CBrCOOC}_2\text{H}_5$ $\text{C}_6\text{H}_{11}\text{BrO}_2$ M_r 195.06 [600-00-0]				
	purum >97%(GC); B.P. 65-67°; d_4^{20} 1.31; n_D^{20} 1.445		1 lt ≈ 1.31 kg	100 ml 12. —	500 ml 50. —

Ethyl 2-bromolaurate see 16990 Ethyl 2-bromododecanoate**Ethyl 2-bromomyristate** (Ethyl 2-bromotetradecanoate)

18410	$\text{CH}_3(\text{CH}_2)_{11}\text{CHBrCOOC}_2\text{H}_5$ $\text{C}_{16}\text{H}_{31}\text{BrO}_2$ M_r 335.33 [14980-92-8]				
	purum >98%(GC); B.P. 124-126°; d_4^{20} 1.068; n_D^{20} 1.460		1 lt ≈ 1.07 kg	25 ml 26. —	

				sFr.	sFr.
760	Ethyl 2-bromononanoate purum (Ethyl 2-bromopelargonate) $\text{CH}_3(\text{CH}_2)_6\text{CHBrCOOC}_2\text{H}_5$ $\text{C}_{11}\text{H}_{21}\text{BrO}_2$ M_r 265.20 [7425-60-7]	1 lt $\approx$ 1.07 kg	25 ml 50. —		
	Ethyl 2-bromo-octanoate see 17870 Ethyl 2-bromocaprylate				
	Ethyl 2-bromo-oenanthate see 17270 Ethyl 2-bromoheptanoate				
	Ethyl 2-bromopelargonate see 17760 Ethyl 2-bromononanoate				
	Ethyl 2-bromopropionate 3/4; 66° $\text{CH}_3\text{CHBrCOOC}_2\text{H}_5$ $\text{C}_5\text{H}_9\text{BrO}_2$ M_r 181.04 [535-11-5] purum >98%(GC); B.P. ₁₀ 51-53°; d_4^{20} 1.389; n_D^{20} 1.446	1 lt $\approx$ 1.39 kg	100 ml 16. —	500 ml 67. —	
3190					
	Ethyl 3-bromopropionate 3/4; 70° $\text{BrCH}_2\text{CH}_2\text{COOC}_2\text{H}_5$ $\text{C}_5\text{H}_9\text{BrO}_2$ M_r 181.04 [539-74-2] purum >98%(GC); B.P. ₁₀ 69-71°; d_4^{20} 1.419; n_D^{20} 1.453	1 lt $\approx$ 1.42 kg	100 ml 12. —	500 ml 50. —	
8200					
	N-Ethyl-2-bromopyridinium tetrafluoroborate $\text{C}_2\text{H}_5\text{N}^+\text{CBrCH:CHCH:CH.BF}_4^-$ $\text{C}_7\text{H}_9\text{BBrF}_4\text{N}$ M_r 273.87 purum >99%(Br); M.P. 99-103° dec.; Efficient coupling reagent for the preparation of carboxylic esters under mild conditions: K. Saigo, M. Usui, K. Kikuchi, E. Shimada, T. Mukaiyama, Bull. Chem. Soc. Jap. 50, 1563 (1977) and ref. cited therein		10 g 25. —	50 g 105. —	
13155					
16492	Ethyl bromopyruvate pract. >90%(GC); B.P. _{0.5} 47°; d_4^{20} 1.56; n_D^{20} 1.472 $\text{BrCH}_2\text{COCOOC}_2\text{H}_5$ $\text{C}_5\text{H}_7\text{BrO}_3$ M_r 195.02 [70-23-5]	1 lt $\approx$ 1.56 kg	25 ml 22. —	100 ml 80. —	
	Ethyl 2-bromotetradecanoate see 18410 Ethyl 2-bromomyristate				
	Ethyl 5-bromovalerate 3/4 $\text{Br}(\text{CH}_2)_4\text{COOC}_2\text{H}_5$ $\text{C}_7\text{H}_{13}\text{BrO}_2$ M_r 209.09 [14660-52-7] purum >98%(GC); B.P. 226-228°; d_4^{20} 1.305; n_D^{20} 1.459	1 lt $\approx$ 1.31 kg	25 ml 31. —	100 ml 115. —	
18675					
	2-Ethylbutanal see 03280 2-Ethylbutyraldehyde				
	2-Ethyl-1-butanol ("Isohexylalcohol") 3/4; 58° $(\text{C}_2\text{H}_5)_2\text{CHCH}_2\text{OH}$ $\text{C}_6\text{H}_{14}\text{O}$ M_r 102.18 [97-95-0] purum >98%(GC); B.P. 146-149°; d_4^{20} 0.832; n_D^{20} 1.422	1 lt $\approx$ 0.83 kg	1 lt 30. —		
03170					
03180	2-Ethyl-1-butene pract. >95%; B.P. 65-68°; d_4^{20} 0.69; n_D^{20} 1.397 3/1a; <-10° $\text{CH}_3\text{CH}_2\text{C}(\text{C}_2\text{H}_5):\text{CH}_2$ C_6H_{12} M_r 84.16 [760-21-4]	1 lt $\approx$ 0.69 kg	10 ml 20. —	50 ml 85. —	
	2-Ethylbutylamine 3/3; 23° $(\text{C}_2\text{H}_5)_2\text{CHCH}_2\text{NH}_2$ $\text{C}_6\text{H}_{15}\text{N}$ M_r 101.19 [617-79-8] purum $\sim$ 98%(GC); M.P. 20-23°; d_4^{20} 0.776; n_D^{20} 1.422	1 lt $\approx$ 0.77 kg	25 ml 29. —		
03210					
	Ethyl sec-butylcyanoacetate (sec-Butylcyanoacetic acid ethyl ester; 6.1/11; 37° sec-Butylmalonic acid ethylester nitrile) $\text{CH}_3\text{CH}_2\text{CH}(\text{CH}_3)\text{CH}(\text{CN})\text{COOC}_2\text{H}_5$ $\text{C}_9\text{H}_{15}\text{NO}_2$ M_r 169.23 [7309-45-7] pract. >97%(GC); B.P. 220-224°; d_4^{20} 0.96; n_D^{20} 1.427	1 lt $\approx$ 0.96 kg	100 ml 38. —		
19790					
	2-Ethylbutyraldehyde (2-Ethylbutanal) 3/1a; 21° $\text{CH}_3\text{CH}_2\text{CH}(\text{C}_2\text{H}_5)\text{CHO}$ $\text{C}_6\text{H}_{12}\text{O}$ M_r 100.16 [97-96-1] pract. $\sim$ 95%(GC); free acid <1%; B.P. 117-119°; d_4^{20} 0.815; n_D^{20} 1.402	1 lt $\approx$ 0.81 kg	250 ml 10. —	1 lt 33. —	
03280					
	Ethyl butyrate 3/3; 26° $\text{CH}_3\text{CH}_2\text{CH}_2\text{COOC}_2\text{H}_5$ $\text{C}_6\text{H}_{12}\text{O}_2$ M_r 116.16 [105-54-4] purum >98%(GC); B.P. 119-121°; d_4^{20} 0.880; n_D^{20} 1.393	1 lt $\approx$ 0.88 kg	250 ml 8. —	1 lt 25. —	2.5 lt 67. —
19230					
	2-Ethylbutyric acid (Diethylacetic acid) 3/4; 99° $(\text{C}_2\text{H}_5)_2\text{CHCOOH}$ $\text{C}_6\text{H}_{12}\text{O}_2$ M_r 116.16 [88-09-5] purum >98%(GC); M.P. -14--11°; B.P. ₁₁ 84-87°; d_4^{20} 0.922; n_D^{20} 1.413	1 lt $\approx$ 0.92 kg	250 ml 10. —	1 lt 35. —	
03190					
03195	2-Ethylbutyric anhydride purum $[(\text{C}_2\text{H}_5)_2\text{CHCO}]_2\text{O}$ $\text{C}_{12}\text{H}_{22}\text{O}_3$ M_r 214.31 [54502-37-3]	1 lt $\approx$ 0.93 kg	500 ml 24. —		
	Ethyl butyrylacetate (Ethyl 3-oxohexanoate) $\text{CH}_3\text{CH}_2\text{CH}_2\text{COCH}_2\text{COOC}_2\text{H}_5$ $\text{C}_8\text{H}_{14}\text{O}_3$ M_r 158.20 [3249-68-1] purum $\sim$ 97%(GC); B.P. ₁₅ 94-96° (Lit.); d_4^{20} 0.988; n_D^{20} 1.428	1 lt $\approx$ 0.99 kg	25 ml 11. —	100 ml 38. —	
20790					
	Ethyl caprate see 21430 Ethyl decanoate				
	Ethyl caproate (Ethyl hexanoate) 3/3; 53° $\text{CH}_3(\text{CH}_2)_4\text{COOC}_2\text{H}_5$ $\text{C}_8\text{H}_{16}\text{O}_2$ M_r 144.22 [123-66-0] purum >99%(GC); B.P. 165-167°; d_4^{20} 0.871; n_D^{20} 1.407	1 lt $\approx$ 0.87 kg	100 ml 10. —	500 ml 42. —	
21550					

				sFr.	sFr.
	2-Ethylcaproic acid (2-Ethylhexanoic acid)				
	$\text{CH}_3(\text{CH}_2)_3\text{CH}(\text{C}_2\text{H}_5)\text{COOH}$ $\text{C}_8\text{H}_{16}\text{O}_2$ M_r 144.22 [149-57-5]				
03300	purum >98% (GC); B.P., 113-118°; d_4^{20} 0.906; n_D^{20} 1.425		1 lt $\approx$ 0.91 kg	250 ml 7. —	1 lt 13. —
	2-Ethylcapronaldehyde (2-Ethylhexanal)				
	3/3; 44° $\text{CH}_3(\text{CH}_2)_3\text{CH}(\text{C}_2\text{H}_5)\text{CHO}$ $\text{C}_8\text{H}_{16}\text{O}$ M_r 128.22 [123-05-7]				
03290	purum >98% (GC); B.P. 162-165°; d_4^{20} 0.819; n_D^{20} 1.415		1 lt $\approx$ 0.82 kg	250 ml 24. —	1 lt 90. —
	Ethyl caprylate (Ethyl octanoate)				
	3/4; 81° $\text{CH}_3(\text{CH}_2)_6\text{COOC}_2\text{H}_5$ $\text{C}_{10}\text{H}_{20}\text{O}_2$ M_r 172.27 [106-32-1]				
21670	purum >98% (GC); B.P., 90-93°; d_4^{20} 0.867; n_D^{20} 1.418		1 lt $\approx$ 0.87 kg	100 ml 11. —	500 ml 44. —
	Ethyl carbamate see 94300 Urethane				
	Ethyl carbazate (Hydrazinocarboxylic acid ethyl ester)				
	$\text{NH}_2\text{NHCOOC}_2\text{H}_5$ $\text{C}_3\text{H}_8\text{N}_2\text{O}_2$ M_r 104.11 [4114-31-2]				
53810	purum >97% (GC); M.P. 44-48°; B.P., 100-102°; H_2O <3%			100 g 25. —	500 g 105. —
03330	9-Ethylcarbazole purum $\sim$ 98%; M.P. 64-67°			100 g 10. —	500 g 37. —
	$\text{C}_6\text{H}_4\text{C}_6\text{H}_4\text{NC}_2\text{H}_5$ $\text{C}_{14}\text{H}_{13}\text{N}$ M_r 195.27 [86-28-2]				
	Ethyl cellulose ("Ethocel") [9004-57-3]				
46070	purum viscosity of a 5% solution at 25°: 7 mPa.s.			250 g 18. —	1 kg 65. —
46080	purum viscosity of a 5% solution at 25°: 45 mPa.s.			250 g 18. —	1 kg 65. —
	Ethyl chloride see 03340 Chloroethane				
	Ethyl chloroacetate				
	6.1/61f; 54° $\text{ClCH}_2\text{COOC}_2\text{H}_5$ $\text{C}_4\text{H}_7\text{ClO}_2$ M_r 122.55 [105-39-5]				
24540	purum >98% (GC); B.P. 141-144°; d_4^{20} 1.152; n_D^{20} 1.422		1 lt $\approx$ 1.15 kg	250 ml 8. —	1 lt 22. —
	Ethyl 2-chloroacetoacetate				
	6.1/61f; 54° $\text{CH}_3\text{COCHClCOOC}_2\text{H}_5$ $\text{C}_6\text{H}_9\text{ClO}_3$ M_r 164.59 [609-15-4]				
22811	pract. $\sim$ 95% (GC); B.P. 196-199°; d_4^{20} 1.179; n_D^{20} 1.442		1 lt $\approx$ 1.18 kg	250 ml 18. —	1 lt 65. —
	Ethyl 4-chloroacetoacetate				
	6.1/61f; 54° $\text{ClCH}_2\text{COCH}_2\text{COOC}_2\text{H}_5$ $\text{C}_6\text{H}_9\text{ClO}_3$ M_r 164.59 [638-07-3]				
22813	purum $\sim$ 97% (GC); B.P., 117-119° (Lit.); d_4^{20} 1.212; n_D^{20} 1.452		1 lt $\approx$ 1.21 kg	50 ml 16. —	250 ml 67. —
	3-Ethyl-2-chlorobenzoxazolium tetrafluoroborate				
	8/15 $\text{C}_6\text{H}_4\text{N}:(\text{BF}_4)(\text{C}_2\text{H}_5\text{CClO})$ $\text{C}_9\text{H}_9\text{BClF}_4\text{NO}$ M_r 269.44 [63212-53-3]				
03337	purum >97% (Cl); M.P. 131° dec.; Reagent for the replacement by chlorine or the elimination of certain oxygenated functions: Y. Echigo, T. Mukaiyama, Chem. Lett. 465 (1978) and ref. cited therein			5 g 26. —	25 g 110. —
24020	Ethyl 4-chlorobutyrate purum >97% (GC); d_4^{20} 1.078; n_D^{20} 1.431		1 lt $\approx$ 1.08 kg	100 ml 22. —	
	3/4; 71° $\text{Cl}(\text{CH}_2)_3\text{COOC}_2\text{H}_5$ $\text{C}_6\text{H}_{11}\text{ClO}_2$ M_r 150.61 [3153-36-4]				
	Ethyl chloroformate				
	6.1/4c; 16° $\text{ClCOOC}_2\text{H}_5$ $\text{C}_3\text{H}_5\text{ClO}_2$ M_r 108.52 [541-41-3]				
23131	purum >98% (GC); B.P. 94-95°; d_4^{20} 1.135; n_D^{20} 1.396; store in refrigerator		1 lt $\approx$ 1.14 kg	100 ml 7. —	500 ml 12. —
	Ethyl 4-(chloroformyl)butyrate see 49733 Glutaric acid monoethylester chloride				
	Ethyl chloroglyoxylate see 75753 Ethyl oxalyl chloride				
	Ethyl 2-(4-chlorophenoxy)-2-methylpropionate (Clofibrate)				
	$(\text{CH}_3)_2\text{C}(\text{OC}_6\text{H}_4\text{Cl})\text{COOC}_2\text{H}_5$ $\text{C}_{12}\text{H}_{15}\text{ClO}_3$ M_r 242.70 [637-07-0]				
25895	purum >98% (GC); d_4^{20} 1.137; n_D^{20} 1.503		1 lt $\approx$ 1.14 kg	100 ml 11. —	500 ml 46. —
	Ethyl 2-chloropropionate				
	3/3; 42° $\text{CH}_3\text{CHClCOOC}_2\text{H}_5$ $\text{C}_5\text{H}_9\text{ClO}_2$ M_r 136.58 [535-13-7]				
26180	purum >97% (GC); B.P. 144-146°; d_4^{20} 1.084; n_D^{20} 1.418		1 lt $\approx$ 1.08 kg	100 ml 40. —	
26181	pract. $\sim$ 95% (GC); B.P. 144-147°; d_4^{20} 1.083; n_D^{20} 1.418		1 lt $\approx$ 1.08 kg	500 ml 24. —	
26190	Ethyl 3-chloropropionate purum B.P., 50-51°; d_4^{20} 1.101; n_D^{20} 1.425		1 lt $\approx$ 1.10 kg	100 ml 25. —	500 ml 105. —
	3/4; 61° $\text{ClCH}_2\text{CH}_2\text{COOC}_2\text{H}_5$ $\text{C}_5\text{H}_9\text{ClO}_2$ M_r 136.58 [623-71-2]				
	S-Ethyl chlorothioformate				
	6.1/4c; 29° $\text{ClCOSC}_2\text{H}_5$ $\text{C}_3\text{H}_5\text{ClOS}$ M_r 124.59 [2941-64-2]				
26460	techn. $\sim$ 95% (GC); B.P. 132-135°; d_4^{20} 1.198; n_D^{20} 1.483		1 lt $\approx$ 1.20 kg	250 ml 26. —	1 lt 95. —

				sFr.	sFr.
7190	Ethyl chrysanthemate [2,2-Dimethyl-3-(1-isobutenyl)cyclopropane-1-carboxylic acid ethyl ester] (CH ₃) ₂ C:CHCHC(CH ₃) ₂ CHCOOC ₂ H ₅ C ₁₂ H ₂₀ O ₂ M _r 196.29 [97-41-6] pract. >97% (GC); B.P. ₁₁ 98-102°; d ₄ ²⁰ 0.927; n _D ²⁰ 1.460		1 lt ≈ 0.93 kg	50 ml 15. —	250 ml 63. —
16350	Ethyl cinnamate C ₆ H ₅ CH:CHCOOC ₂ H ₅ C ₁₁ H ₁₂ O ₂ M _r 176.22 [103-36-6] purum >98% (GC); M.P. 6-8°; B.P. ₁₀ 132-135°; d ₄ ²⁰ 1.048; n _D ²⁰ 1.559		1 lt ≈ 1.05 kg	100 ml 11. —	500 ml 46. —
28020	Ethyl crotonate purum ~97% (GC); B.P. 134-137°; d ₄ ²⁰ 0.916; n _D ²⁰ 1.425 3/1a; 2° CH ₃ CH:CHCOOC ₂ H ₅ C ₆ H ₁₀ O ₂ M _r 114.15 [623-70-1]		1 lt ≈ 0.92 kg	100 ml 14. —	500 ml 60. —
	Ethyl cyanide see 81900 Propionitrile				
28420	Ethyl cyanoacetate 6.1/21 NCCH ₂ COOC ₂ H ₅ C ₅ H ₇ NO ₂ M _r 113.12 [105-56-6] puriss. >99% (GC); B.P. ₁₀ 92-94°; d ₄ ²⁰ 1.061; n _D ²⁰ 1.418		1 lt ≈ 1.06 kg	100 ml 12. —	500 ml 50. —
28429	purum >98% (GC); B.P. ₁₀ 90-95°; d ₄ ²⁰ 1.061; n _D ²⁰ 1.418		1 lt ≈ 1.06 kg	250 ml 10. —	1 lt 32. —
02740	Ethyl 2-cyano-3-ethoxyacrylate [Ethyl (ethoxymethylene)cyanoacetate] 6.1/21 C ₂ H ₅ OCH:C(CN)COOC ₂ H ₅ C ₈ H ₁₁ NO ₃ M _r 169.18 [94-05-3] purum >97% (GC); M.P. 49-51°		25 g 7. —	100 g 25. —	1 kg 160. —
29390	Ethyl cyclohexanecarboxylate 3/4; 84° CH ₂ (CH ₂) ₄ CHCH ₂ COOC ₂ H ₅ C ₁₀ H ₁₈ O ₂ M _r 170.25 [5452-75-5] purum >98% (GC); B.P. ₁₁ 95-97°; d ₄ ²⁰ 0.944; n _D ²⁰ 1.444		1 lt ≈ 0.94 kg	25 ml 18. —	100 ml 65. —
29161	Ethyl cyclohexanone-2-carboxylate (2-Ethoxycarbonylcyclohexanone; 3/4; 96° Ethyl 2-oxocyclohexanecarboxylate) OC(CH ₂) ₄ CHCOOC ₂ H ₅ C ₉ H ₁₄ O ₃ M _r 170.21 [1655-07-8] pract. ~95% (GC); B.P. ₁₂ 106-108°; d ₄ ²⁰ 1.07; n _D ²⁰ 1.478		1 lt ≈ 1.07 kg	25 ml 16. —	100 ml 55. —
03360	N-Ethylcyclohexylamine (N-Cyclohexylethylamine) 3/3 C ₂ H ₅ NHCH(CH ₂) ₄ CH ₂ C ₈ H ₁₇ N M _r 127.23 [5459-93-8] pract. ~98% (GC); B.P. 163-166°; d ₄ ²⁰ 0.85; n _D ²⁰ 1.452		1 lt ≈ 0.85 kg	100 ml 9. —	500 ml 34. —
29567	Ethyl cyclononanone-2-carboxylate (2-Ethoxycarbonylcyclononanone; Ethyl 2-oxocyclononanecarboxylate) C ₂ H ₅ OCOCH(CH ₂) ₇ CO C ₁₂ H ₂₀ O ₃ M _r 212.29 [4017-57-6] purum d ₄ ²⁰ 1.047; n _D ²⁰ 1.481		1 lt ≈ 1.05 kg	1 ml 30. —	5 ml 125. —
29780	Ethyl cyclopentanone-2-carboxylate (2-Ethoxycarbonylcyclopentanone; 3/4; 77° Ethyl 2-oxocyclopentanecarboxylate) OC(CH ₂) ₃ CHCOOC ₂ H ₅ C ₈ H ₁₂ O ₃ M _r 156.18 [611-10-9] purum ~97% (GC); B.P. 224-228°; d ₄ ²⁰ 1.08; n _D ²⁰ 1.452		1 lt ≈ 1.08 kg	100 ml 25. —	500 ml 105. —
29900	Ethyl cyclopropanecarboxylate 3/3; 30° CH ₂ CH ₂ CHCOOC ₂ H ₅ C ₆ H ₁₀ O ₂ M _r 114.15 [4606-07-9] purum >97% (GC); B.P. 134°; d ₄ ²⁰ 0.960; n _D ²⁰ 1.420		1 lt ≈ 0.96 kg	25 ml 22. —	100 ml 80. —
03380	S-Ethyl-L-cysteine C ₂ H ₅ SCH ₂ CH(NH ₂)COOH C ₅ H ₁₁ NO ₂ S M _r 149.21 [2629-59-6] puriss. >99% (NT); M.P. ~240°; [α] _D ²⁰ -28.5±1°; [α] _D ²⁰ -24±1° (c = 3 in water); does not contain free Cysteine; Ash <0.05%			5 g 20. —	
21430	Ethyl decanoate (Ethyl caprate) CH ₃ (CH ₂) ₈ COOC ₂ H ₅ C ₁₂ H ₂₄ O ₂ M _r 200.32 [110-83-3] puriss. >99% (GC); B.P. 224° (Lit.); d ₄ ²⁰ 0.864; n _D ²⁰ 1.425		1 lt ≈ 0.86 kg	100 ml 12. —	500 ml 50. —
	N-Ethyl-1,3-diaminopropane see 03020 3-Ethylamino-1-propylamine				
33501	Ethyl diazoacetate 3/3; 46° N ₂ CHCOOC ₂ H ₅ C ₄ H ₆ N ₂ O ₂ M _r 114.10 [623-73-4] purum ~96% (GC); d ₄ ²⁰ 1.093; n _D ²⁰ 1.463; may also contain some Ethyl chloroacetate; store in refrigerator		1 lt ≈ 1.09 kg	25 ml 22. —	100 ml 80. —
34305	Ethyl 2,3-dibromopropionate CH ₂ BrCHBrCOOC ₂ H ₅ C ₆ H ₈ Br ₂ O ₂ M _r 259.94 [3674-13-3] purum >98% (Br); B.P. ₆ 81-83°; d ₄ ²⁰ 1.791; n _D ²⁰ 1.501		1 lt ≈ 1.79 kg	100 ml 25. —	500 ml 105. —
35820	Ethyl dichloroacetate puriss. >99% (GC); B.P. ₁₁ 54-55°; d ₄ ²⁰ 1.28; n _D ²⁰ 1.438 6.1/61; 62° Cl ₂ CHCOOC ₂ H ₅ C ₄ H ₆ Cl ₂ O ₂ M _r 157.00 [535-15-9]		1 lt ≈ 1.28 kg	100 ml 15. —	500 ml 63. —

				sFr.	sFr.
	Ethyl 1,2-dichloroethyl ether (1,2-Dichlorodiethyl ether; 1,2-Dichloroethyl ethyl ether)				
	6.1/12f; 42°	$\text{ClCH}_2\text{CHClOCH}_2\text{CH}_3$	$\text{C}_4\text{H}_8\text{Cl}_2\text{O}$	M_r 143.01 [623-46-1]	
35650	techn. ~85%(GC); B.P. 140-145°; d_4^{20} 1.167; n_D^{20} 1.442			1 lt ≈ 1.17 kg	10 ml 25. — 50 ml 105. —
	N-Ethyldicyclohexylamine				
	3/3; 90°	$[\text{CH}_2(\text{CH}_2)_4\text{CH}]_2\text{NC}_2\text{H}_5$	$\text{C}_{14}\text{H}_{27}\text{N}$	M_r 209.38 [7175-49-7]	
03435	pract. ~97%(GC); d_4^{20} 0.91; n_D^{20} 1.484			1 lt ≈ 0.91 kg	5 ml 16. — 25 ml 67. —
	Ethyl diethoxyacetate (Glyoxylic acid ethyl ester diethyl acetal)				
		$(\text{C}_2\text{H}_5\text{O})_2\text{CHCOOC}_2\text{H}_5$	$\text{C}_8\text{H}_{16}\text{O}_4$	M_r 176.22 [6065-82-3]	
31638	purum >98%(GC); B.P. 193-196°; d_4^{20} 0.988; n_D^{20} 1.411			1 lt ≈ 0.99 kg	100 ml 38. — 500 ml 160. —
31665	Ethyl α,α-diethylacetoacetate purum ~95%(GC); d_4^{20} 0.967; n_D^{20} 1.432			1 lt ≈ 0.97 kg	50 ml 29. —
	3/4; 92°	$\text{CH}_3\text{COC}(\text{C}_2\text{H}_5)_2\text{COOC}_2\text{H}_5$	$\text{C}_{10}\text{H}_{18}\text{O}_3$	M_r 186.25 [1619-57-4]	
	Ethyl diethylmercaptoacetate see 50708 Glyoxylic acid ethyl ester diethyl mercaptal				
	Ethyldiglycol see 32230 Diethylene glycol monoethyl ether				
	Ethyldiglycol acetate see 32240 Diethylene glycol monoethyl ether acetate				
	Ethyl 1,2-dihydro-2-ethoxy-1-quinoline carboxylate see 02541 2-Ethoxy-N-ethoxycarbonyl-1,2-dihydroquinoline				
	N-Ethyldiisopropylamine (N,N-Diisopropylethylamine)				
	3/3	$(\text{CH}_3)_2\text{CHN}(\text{C}_2\text{H}_5)\text{CH}(\text{CH}_3)_2$	$\text{C}_8\text{H}_{19}\text{N}$	M_r 129.25 [7087-68-5]	
03440	purum >98%(GC); B.P. 120-123°; d_4^{20} 0.75; n_D^{20} 1.413			1 lt ≈ 0.75 kg	50 ml 7. — 250 ml 33. —
	N-Ethyldimethylamine (N,N-Dimethylethylamine)				
	3/5	$(\text{CH}_3)_2\text{NC}_2\text{H}_5$	$\text{C}_4\text{H}_{11}\text{N}$	M_r 73.14 [598-56-1]	
03442	purum >99%(GC); B.P. 34-36°; d_4^{20} 0.67; n_D^{20} 1.374			1 lt ≈ 0.67 kg	500 ml 20. —
	Ethyl 3-dimethylaminopropionate				
	3/3; 58°	$(\text{CH}_3)_2\text{NCH}_2\text{CH}_2\text{COOC}_2\text{H}_5$	$\text{C}_7\text{H}_{15}\text{NO}_2$	M_r 145.20 [20120-21-2]	
39351	purum ~97%(NT); B.P. 56-57°; d_4^{20} 0.917; n_D^{20} 1.419			1 lt ≈ 0.92 kg	100 ml 50. —
	Ethyl dimethylphosphonoacetate (Ethoxycarbonyl methylphosphonic acid dimethylester)				
	3/4; >70°	$(\text{CH}_3\text{O})_2\text{POCH}_2\text{COOC}_2\text{H}_5$	$\text{C}_6\text{H}_{13}\text{O}_5\text{P}$	M_r 196.14 [39118-50-8]	
02610	pract. ~95%(GC); B.P. 97-98°; d_4^{20} 1.209; 1.435			1 lt ≈ 1.21 kg	10 ml 22. — 50 ml 90. —
	Ethyl 1,3-dioxo-2-isoindolinecarboxylate see 02620 N-Ethoxycarbonylphthalimide				
	Ethyl 2,4-dioxovalerate				
		$\text{CH}_3\text{COCH}_2\text{COCOOC}_2\text{H}_5$	$\text{C}_7\text{H}_{10}\text{O}_4$	M_r 158.16 [615-79-2]	
00730	purum ~99%(GC); M.P. 16-18°; B.P. 100-103°; d_4^{20} 1.124; n_D^{20} 1.474			1 lt ≈ 1.12 kg	25 ml 75. —
	Ethyl 1,3-dithiane-2-carboxylate				
	3/3; 55°	$\text{SCH}_2\text{CH}_2\text{CH}_2\text{SCHCOOC}_2\text{H}_5$	$\text{C}_7\text{H}_{12}\text{O}_2\text{S}_2$	M_r 192.30 [20462-00-4]	
43749	purum >99%(GC); B.P. 85-90°; d_4^{20} 1.220; n_D^{20} 1.541; Reagent for the Synthesis of α -oxocarboxylic esters: E. E. Eliel, A. A. Hartmann, J. Org. Chem. 37, 505 (1972)			1 lt ≈ 1.22 kg	5 ml 34. — 25 ml 145. —
	Ethyl 1,3-dithiolane-2-carboxylate (Glyoxylic acid ethyl ester ethylene mercaptal)				
		$\text{SCH}_2\text{CH}_2\text{SCHCOOC}_2\text{H}_5$	$\text{C}_6\text{H}_{10}\text{O}_2\text{S}_2$	M_r 178.27 [20461-99-8]	
43798	purum >98%(GC); B.P. 85°; d_4^{20} 1.249; n_D^{20} 1.538; Reagent for the Synthesis of 1,4-Dicarbonyl compounds; J. L. Herrmann, J. E. Richman, R. H. Schlessinger, THL 2599 (1973)			1 lt ≈ 1.25 kg	5 ml 18. — 25 ml 75. —
	Ethylene				
	2/9	$\text{CH}_2:\text{CH}_2$	C_2H_4	M_r 28.05 [74-85-1]	
03470	puriss. 99.8%(GC) + Ethane + CO_2			Cyl with 0.5 lt, net ~150 g	640. —
03482	purum >98% + 1.2% Ethane + 0.33% N_2 + 0.21% Methane + 0.06% CO_2 + traces CO			Cyl. with 2.0 lt, net ~0.7 kg	320. — (price of gas 175. —)
03484				Cyl. with 10.0 lt, net ~3.8 kg	400. — (price of gas 240. —)
	Ethyleneacetic acid see 29890 Cyclopropanecarboxylic acid				
14823	Ethylenebis(diphenylphosphine) purum ~98%(C, H-Analysis); M.P. 142-144°				10 g 40. — 50 g 170. —
	6.1/81a	$(\text{C}_6\text{H}_5)_2\text{PCH}_2\text{CH}_2\text{P}(\text{C}_6\text{H}_5)_2$	$\text{C}_{26}\text{H}_{24}\text{P}_2$	M_r 398.43 [1663-45-2]	
03490	N,N'-Ethylenebis pyrrolidone-4-carboxylic acid purum				100 g 20. —
		$\text{COCH}_2\text{CH}(\text{COOH})\text{CH}_2\text{NCH}_2\text{CH}_2\text{NCH}_2\text{CH}(\text{COOH})\text{CH}_2\text{CO}$	$\text{C}_{12}\text{H}_{16}\text{N}_2\text{O}_6$	M_r 284.27 [2761-13-9]	

sFr.

sFr.

Ethylene bromochloride see 16621 1-Bromo-2-chloroethane**Ethylene bromohydrin** see 16140 2-Bromoethanol**Ethylene carbonate** (1,3-Dioxolan-2-one) $\text{OCH}_2\text{CH}_2\text{OCO}$ $\text{C}_3\text{H}_4\text{O}_3$ M_r 88.06 [96-49-1]

03519

puriss. >99%(GC); M.P. 35-37°

250 g 8.—

1 kg 25.—

5 kg 105.—

Ethylene chloride see 03529 1,2-Dichloroethane**Ethylene chlorohydrin** see 23000 2-Chloroethanol**Ethylene cyanohydrin** see 56270 3-Hydroxypropionitrile**Ethylenediamine** (1,2-Diaminoethane)8/35; 31° $\text{NH}_2\text{CH}_2\text{CH}_2\text{NH}_2$ $\text{C}_2\text{H}_8\text{N}_2$ M_r 60.10 [107-15-3]

03550

puriss. p.a. abs. M.P. 10-12°; B.P. 117-118°;

 d_4^{20} 0.895; n_D^{20} 1.4561 lt $\approx$ 0.90 kg

250 ml 12.—

1 lt 40.—

2.5 lt 90.—

Fluka-Guarantee:

Assay (GC/T) >99.5 % Copper (Cu) <0.000005%

Residue on evaporation <0.05 % Cadmium (Cd) <0.000005%

Iron (Fe) <0.00005% Zinc (Zn) <0.000005%

03560

purum $\sim$ 97%(GC); d_4^{20} 0.899; n_D^{20} 1.452; H_2O 2-5%1 lt $\approx$ 0.90 kg

1 lt 22.—

2.5 lt 46.—

Ethylenediamine-N,N'-bis(2-hydroxyphenylacetic acid) ("Chel DP"®)

® Registered trade mark of Ciba-Geigy AG, Basle

 $\text{HOC}_6\text{H}_4\text{CH}(\text{COOH})\text{NHCH}_2\text{CH}_2\text{NHCH}(\text{COOH})\text{C}_6\text{H}_4\text{OH}$ $\text{C}_{18}\text{H}_{20}\text{N}_2\text{O}_6$ M_r 360.37 [1170-02-1]

03570

pract. $\sim$ 95%(NT); M.P. 230-240° dec.

25 g 20.—

100 g 70.—

Ethylenediamine-N,N'-diacetic acid (N,N'-Ethylenediglycine) $\text{HOOCCH}_2\text{NHCH}_2\text{CH}_2\text{NHCH}_2\text{COOH}$ $\text{C}_6\text{H}_{12}\text{N}_2\text{O}_4$ M_r 176.17 [5657-10-0]

03575

purum >98%(T); M.P. 220-223° dec.; Ash <0.2%

1 g 10.—

5 g 42.—

03578

Ethylenediamine-N,N'-diacetic acid-N,N'-dipropionic acid Monohydrate purum $\text{HOOCCH}_2\text{CH}_2\text{N}(\text{CH}_2\text{COOH})\text{CH}_2\text{CH}_2\text{N}(\text{CH}_2\text{COOH})\text{CH}_2\text{CH}_2\text{COOH} \cdot \text{H}_2\text{O}$ $\text{C}_{12}\text{H}_{20}\text{N}_2\text{O}_8 \cdot \text{H}_2\text{O}$ M_r 338.32 [32701-19-2]

1 g 30.—

5 g 125.—

03580

Ethylenediamine dihydrochloride puriss. >99%(Cl) $\text{NH}_2\text{CH}_2\text{CH}_2\text{NH}_2 \cdot 2\text{HCl}$ $\text{C}_2\text{H}_8\text{N}_2 \cdot 2\text{HCl}$ M_r 133.02 [333-18-6]

250 g 24.—

1 kg 90.—

Ethylenediaminetetraacetic acid, EDTA $(\text{HOOCCH}_2)_2\text{NCH}_2\text{CH}_2\text{N}(\text{CH}_2\text{COOH})_2$ $\text{C}_{10}\text{H}_{16}\text{N}_2\text{O}_8$ M_r 292.25 [60-00-4]

03610

puriss. p.a. for Complexometry

100 g 7.—

500 g 18.—

1 kg 35.—

Fluka-Guarantee:

Assay (complexometric) >99.5% Sulfate (SO_4) <0.0002%

(acidimetric) >99.5% Chloride (Cl) <0.002 %

Ash <0.1 % Heavy metals (as Pb) <0.0002%

03620

purum >98%(T)

250 g 8.—

1 kg 25.—

5 kg 90.—

03625

Ethylenediaminetetraacetic acid Ammonium Iron(III) salt purum >98%(Fe) $(\text{OOCCH}_2)_2\text{NCH}_2\text{CH}_2\text{N}(\text{CH}_2\text{COO})_2\text{FeNH}_4 \cdot \frac{1}{2}\text{H}_2\text{O}$ $\text{C}_{10}\text{H}_{16}\text{FeN}_3\text{O}_8 \cdot \frac{1}{2}\text{H}_2\text{O}$ M_r 371.11

100 g 12.—

500 g 50.—

Ethylenediaminetetraacetic acid Calcium Disodium salt $\text{Ca}(\text{OOCCH}_2)_2\text{NCH}_2\text{CH}_2\text{N}(\text{CH}_2\text{COONa})_2$ $\text{C}_{10}\text{H}_{12}\text{CaN}_2\text{Na}_2\text{O}_8$ M_r 374.28 [39208-14-5]

03630

purum $\sim$ 98%(Ca); H_2O $\sim$ 2%

250 g 14.—

1 kg 50.—

03635

Ethylenediaminetetraacetic acid Cerium(III) Sodium salt purum $\text{C}_{10}\text{H}_{12}\text{CeN}_2\text{NaO}_8$ M_r 451.33

25 g 12.—

100 g 40.—

Ethylenediaminetetraacetic acid Copper Disodium salt $\text{Cu}(\text{OOCCH}_2)_2\text{NCH}_2\text{CH}_2\text{N}(\text{CH}_2\text{COONa})_2$ $\text{C}_{10}\text{H}_{12}\text{CuN}_2\text{Na}_2\text{O}_8$ M_r 397.74

[39208-15-6]

03668

purum >98%(Cu) dry; H_2O $\sim$ 8%

100 g 13.—

500 g 55.—

03640

Ethylenediaminetetraacetic acid Diammoniumsalt puriss. p.a. >99%(T) $(\text{NH}_4\text{OOCCH}_2)_2\text{NCH}_2\text{CH}_2\text{N}(\text{CH}_2\text{COOH})_2$ $\text{C}_{10}\text{H}_{22}\text{N}_4\text{O}_8$ M_r 326.31 [20824-56-0]

100 g 18.—

500 g 75.—

03650

Ethylenediaminetetraacetic acid Iron(III)-Sodium salt purum $\sim$ 97%(Fe) $(\text{OOCCH}_2)_2\text{NCH}_2\text{CH}_2\text{N}(\text{CH}_2\text{COO})_2\text{FeNa}$ $\text{C}_{10}\text{H}_{12}\text{FeN}_2\text{NaO}_8$ M_r 367.05

250 g 17.—

1 kg 60.—

Ethylenediaminetetraacetic acid Magnesium Disodium salt $(\text{NaOOCCH}_2)_2\text{NCH}_2\text{CH}_2\text{N}(\text{CH}_2\text{COO})_2\text{Mg} \cdot \text{aq}$ $\text{C}_{10}\text{H}_{12}\text{MgN}_2\text{Na}_2\text{O}_8 \cdot \text{aq}$ M_r 358.51 + aq [39208-13-4]

03670

puriss. p.a. $\sim$ 99%(Mg); for Complexometry

100 g 14.—

500 g 60.—

				sFr.	sFr.
Ethylenediaminetetraacetic acid Dipotassium salt Dihydrate					
HOOCCH ₂ (KOOCCH ₂)NCH ₂ CH ₂ N(CH ₂ COOK)CH ₂ COOH.2H ₂ O					
C ₁₀ H ₁₄ K ₂ N ₂ O ₈ .2H ₂ O M _r 404.47 [2001-94-7]					
03660	puriss. p.a. ~99%(T); M.P. 255-280° dec.			100 g 12.—	500 g 50.—
Ethylenediaminetetraacetic acid Tripotassium salt purum ~98%(NT) dry; H ₂ O 8-10%					
(KOOCCH ₂)NCH ₂ CH ₂ N(CH ₂ COOK)CH ₂ COOH C ₁₀ H ₁₃ K ₃ N ₂ O ₈ M _r 406.53 [17572-97-3]					
03665				100 g 25.—	500 g 105.—
Ethylenediaminetetraacetic acid Disodium salt Dihydrate					
HOOCCH ₂ (NaOOCCH ₂)NCH ₂ CH ₂ N(CH ₂ COONa)CH ₂ COOH.2H ₂ O					
C ₁₀ H ₁₄ N ₂ Na ₂ O ₈ .2H ₂ O M _r 372.24 [6381-92-6]					
03680	puriss. p.a. for Complexometry			100 g 8.—	500 g 24.—
Fluka-Guarantee:					
Assay (complexometric) >99.5 % Solubility: 0.5 g are soluble in 10 ml					
Chloride (Cl) <0.002% H ₂ O completely and clear					
Heavy metals (as Pb) <0.002% (pH of this Solution 4.5-4.7)					
Sulfate (SO ₄) <0.002%					
03685	purum ~98%(T)			100 g 7.—	500 g 11.—
Ethylenediaminetetraacetic acid Tetrasodium salt techn. ~80%					
(NaOOCCH ₂) ₂ NCH ₂ CH ₂ N(CH ₂ COONa) ₂ C ₁₀ H ₁₂ N ₂ Na ₄ O ₈ M _r 380.18 [64-02-8]					
03701				250 g 8.—	1 kg 22.—
Ethylenediaminetetraacetic acid Trisodium salt purum >%(T)					
(NaOCOCH ₂) ₂ NCH ₂ CH ₂ N(CH ₂ COONa)CH ₂ COOH.2H ₂ O C ₁₀ H ₁₃ N ₂ Na ₃ O ₈ .2H ₂ O					
M _r 394.22 [150-38-9]					
03710				250 g 10.—	1 kg 32.—
Ethylenediaminetetraacetic acid Disodium Zinc salt					
(NaOOCCH ₂) ₂ NCH ₂ CH ₂ N(CH ₂ COO) ₂ Zn.4H ₂ O C ₁₀ H ₁₂ N ₂ Na ₂ O ₈ Zn.4H ₂ O					
M _r 471.63 [39208-16-7]					
03720	puriss. p.a. for Complexometry			100 g 7.—	250 g 20.—
Ethylenediaminetetraacetoneitrile {1,2-Bis[bis(cyanomethyl)amino]ethane}					
6.1/21 (NCCH ₂) ₂ NCH ₂ CH ₂ N(CH ₂ CN) ₂ C ₁₀ H ₁₂ N ₆ M _r 216.25					
03602	purum M.P. 128-130°			250 g 12.—	1 kg 40.—
4,4'-Ethylenedianiline see 32784 4,4'-Diaminobiphenyl					
Ethylene dibromide see 03505 1,2-Dibromoethane					
N,N'-Ethylenediglycine see 03575 Ethylenediamine-N,N'-diacetic acid					
2,2'-(Ethylenediimino)diethanol see 14851 N,N'-Bis(2-hydroxyethyl)ethylenediamine					
(Ethylenedinitrilo)tetraacetic acid and salts see Ethylenediaminetetraacetic acid and salts					
3,4-Ethylenedioxyacetophenone (1,4-Benzodioxan-6-yl methyl ketone)					
C ₁₀ H ₁₀ O ₃ M _r 178.19 [1011-48-9]					
03730	purum ~97%(GC); M.P. 83-84°			5 g 13.—	25 g 55.—
1,2-Ethylenedioxybenzene (1,4-Benzodioxane; 2,3-Dihydro-1,4-benzodioxin)					
C ₈ H ₈ O ₂ M _r 136.15 [493-09-4]					
03735	purum >99%(GC); B.P. 209-211° (Lit.); d ₄ ²⁰ 1.17; n _D ²⁰ 1.548		1 lt ≈ 1.17 kg	25 ml 29.—	100 ml 105.—
Ethylene dithiotosylate purum >98%(S); M.P. 70-72°					
CH ₃ C ₆ H ₄ SO ₂ SCH ₂ CH ₂ SSO ₂ C ₆ H ₄ CH ₃ C ₁₆ H ₁₈ O ₄ S ₄ M _r 402.58 [2225-23-2]					
03745				5 g 26.—	25 g 110.—
Ethylene glycol (1,2-Ethanediol; Glycol)					
HOCH ₂ CH ₂ OH C ₂ H ₆ O ₂ M _r 62.07 [107-21-1]					
03750	puriss. p.a. M.P. -11--9°; B.P. 195-197°;				
d ₄ ²⁰ 1.113; n _D ²⁰ 1.431					
		1 lt ≈ 1.11 kg	250 ml 7.—	1 lt 20.—	2.5 lt 46.—
Fluka-Guarantee:					
Assay (GC) >99.5 % Nickel (Ni) <0.00001 %					
Water (H ₂ O) <0.1 % Iron (Fe) <0.00005 %					
Free Acid (as CH ₃ COOH) <0.001 % Copper (Cu) <0.000005 %					
Chloride (Cl) <0.001 % Cadmium (Cd) <0.000005 %					
Sulfate (SO ₄) <0.001 % Zinc (Zn) <0.000005 %					
Cobalt (Co) <0.00001 %					
03760	purum redest. >98%(GC); M.P. -12--10°; B.P. 194-197°;				
d ₄ ²⁰ 1.113; n _D ²⁰ 1.431; H ₂ O <0.2%					
		1 lt ≈ 1.11 kg		1 lt 14.—	2.5 lt 31.—
03770	pract. d ₄ ²⁰ 1.124; H ₂ O ~7%; suitable as anti-freezing agent with corrosion-inhibitor				
		1 lt ≈ 1.12 kg		1 lt 7.—	5 lt 24.—
03775	Ethylene glycol adipate for GC; M.P. 39-42°			25 g 24.—	



				sFr.	sFr.
	Ethylene glycol-O,O'-bis(2-aminoethyl)-N,N,N',N'-tetraacetic acid (Chel-DE [®] ; "Glycoletherdiamine-tetraacetic acid") [®] Registered trademark of Ciba-Geigy AG, Basle (HOOCCH ₂) ₂ NCH ₂ CH ₂ OCH ₂ CH ₂ OCH ₂ CH ₂ N(CH ₂ COOH) ₂ C ₁₄ H ₂₄ N ₂ O ₁₀ M _r 380.35				
03779	puriss. p.a. >99%(T); M.P. ~250° dec.; Ash <0.05%; H ₂ O <0.1%			10 g 22.—	50 g 90.—
03780	purum p.a. >98%(T); for Complexometry; M.P. ~250° dec.	10 g 15.—		50 g 63.—	250 g 265.—
	Ethylene glycol diacetate (1,2-Diacetoxyethane; Glycol diacetate) 3/4; 86° CH ₃ COOCH ₂ CH ₂ OCOCH ₃ C ₆ H ₁₀ O ₄ M _r 146.14 [111-55-7] purum >98%(GC); B.P. ₁₁ 79-81°; d ₄ ²⁰ 1.105; n _D ²⁰ 1.415				
031470		1 lt ≈ 1.10 kg		250 ml 8.—	1 lt 25.—
	Ethylene glycol diethyl ether see 31601 1,2-Diethoxy ethane				
	Ethylene glycol dimethacrylate 3/4; 73° CH ₂ :C(CH ₃)COOCH ₂ CH ₂ OCOC(CH ₃):CH ₂ C ₁₀ H ₁₄ O ₄ M _r 198.22 [97-90-5] pract. >98%(GC); B.P. 66-68° (Lit.); d ₄ ²⁰ 1.05; n _D ²⁰ 1.455; stab. with 0.006% Hydroquinone; store in refrigerator				
03810		1 lt ≈ 1.05 kg		100 ml 9.—	500 ml 32.—
	Ethylene glycol dimethyl ether see 38570 1,2-Dimethoxyethane				
	cycl-Ethylene glycol dodecanedioate see 42499 1,4-Dioxacyclohexadecane-5,16-dione				
	Ethylene glycol methylene ether see 42545 1,3-Dioxolane				
	Ethylene glycol monoacetate see 00811 2-Acetoxyethanol				
	Ethylene glycol monobutyl ether see 20400 2-Butyloxyethanol				
	Ethylene glycol monobutyl ether acetate see 00830 1-Acetoxy-2-butoxyethane				
	Ethylene glycol monoethyl ether see 02530 2-Ethoxyethanol				
	Ethylene glycol monoethyl ether acetate see 00820 1-Acetoxy-3-ethoxyethane				
	Ethylene glycol monoisopropyl ether see 59670 2-Isopropoxyethanol				
	Ethylene glycol monomethyl ether see 64720 2-Methoxyethanol				
	Ethylene glycol monomethyl ether acetate see 00860 1-Acetoxy-2-methoxyethane				
	Ethylene glycol monophenyl ether see 77699 2-Phenoxyethanol				
	Ethylene glycol monosalicylate (2-Hydroxyethyl salicylate; Salicylic acid ethylene glycol ester) HOC ₆ H ₄ COOCH ₂ CH ₂ OH C ₉ H ₁₀ O ₄ M _r 182.18 [87-28-5] purum >98%(GC); B.P. ₁₂ 172° (Lit.); d ₄ ²⁰ 1.25; n _D ²⁰ 1.549				
03830		1 lt ≈ 1.25 kg		100 ml 10.—	500 ml 37.—
03845	Ethylene glycol sebacate purum for GC; M.P. ~68°			25 g 24.—	
03847	Ethylene glycol succinate purum for GC; M.P. ~85° dec.			25 g 24.—	
	Ethyleneimine polymer 6.1/3; >95° M _r 30 000-40 000 pract. N 16%; Inhalation and contact with skin should be avoided				
03880		1 lt ≈ 1.20 kg		100 ml 11.—	500 ml 46.—
	Ethylene iodide see 03890 1,2-Diiodoethane				
	S,N-Ethyleneisothiourea hydrochloride see 09485 2-Amino-2-thiazoline hydrochloride				
	Ethylene-mercaptan see 02390 1,2-Ethanedithiol				
	Ethylene oxide CH ₂ CH ₂ O C ₂ H ₄ O M _r 44.05 [75-21-8] 2/3ct; -20° purum >99.8% + Acetaldehyde <0.001% + CO ₂ <0.07% + Acetylene <0.03% + H ₂ O <0.04% + Cl ₂ <0.015% + NH ₃ <0.001%; S <0.015%; B.P. 10.5-11.5° 1 lt ≈ 0.88 kg Ampoules with 100 ml 25.— Pressure tin with 250 ml, net ~225 g 250 ml 25.— (Reg. valve 83547)				
03900					
03901	2/11ct	Cyl. with 2 lt, net ~1.5 kg	350.—	(price of gas 190.—)	
03902	2/3ct	Cyl. with 12 lt, net ~9.0 kg	450.—	(price of gas 225.—)	
03904		Cyl. with 27 lt, net ~20.0 kg	680.—	(price of gas 400.—)	
03906					
	Ethylene sulfide (Dimethylene sulfide) 3/1a; -34° CH ₂ CH ₂ S C ₂ H ₄ S M _r 60.12 [420-12-2] purum >99%(GC); B.P. 55-56°; stab. with 0.5% Butylmercaptan; d ₄ ²⁰ 1.01; n _D ²⁰ 1.493; store in refrigerator				
03910		1 lt ≈ 1.01 kg		25 ml 22.—	100 ml 80.—
	Ethylene sulfite QCH ₂ CH ₂ OSO C ₂ H ₄ O ₃ S M _r 108.12 [3741-38-6] purum ~99%(GC); B.P. ₅ 92° (Lit.); d ₄ ²⁰ 1.43; n _D ²⁰ 1.446				
03920		1 lt ≈ 1.43 kg		100 ml 30.—	500 ml 125.—

				sFr.	sFr.
	N,N'-Ethylenethiourea (2-Imidazolidinethione; 2-Thioxoimidazolidine) $\text{CH}_2\text{CH}_2\text{NHCSNH}$ $\text{C}_3\text{H}_6\text{N}_2\text{S}$ M_r 102.16 [96-45-7] purum >98%(S); M.P. 198-200°				
03940				100 g 7.—	500 g 24.—
03950	Ethylene trithiocarbonate purum ~99%(GC); M.P. 33-36° (1,3-Dithiolan-2-thione) $\text{SCH}_2\text{CH}_2\text{SCS}$ $\text{C}_3\text{H}_4\text{S}_3$ M_r 136.26 [822-38-8]				
				25 g 24.—	100 g 90.—
	N,N'-Ethyleneurea see 03850 2-Imidazolidone				
	N-Ethylethanolamine see 02980 2-Ethylaminoethanol				
	Ethyl ether see 31670 Diethyl ether				
	Ethyl (ethoxymethylene)cianoacetate see 02740 Ethyl 2-cyano-3-ethoxyacrylate				
02840	Ethyl 2-ethylacetoacetate pract. B.P. 118-86°; d_4^{20} 0.98; n_D^{20} 1.421 3/4; 69° $\text{CH}_3\text{COCH}(\text{C}_2\text{H}_5)\text{COOC}_2\text{H}_5$ $\text{C}_8\text{H}_{14}\text{O}_3$ M_r 158.20 [607-97-6]				
			1 lt ≈ 0.98 kg	25 ml 26.—	100 ml 95.—
03320	Ethyl N-ethylcarbamate (N-Ethylurethane) 3/4; 82° $\text{C}_2\text{H}_5\text{NHCOOC}_2\text{H}_5$ $\text{C}_5\text{H}_{11}\text{NO}_2$ M_r 117.14 [623-78-9] purum >97%(GC); B.P. 117-76°; d_4^{20} 0.98; n_D^{20} 1.422				
			1 lt ≈ 0.98 kg	100 ml 20.—	500 ml 85.—
	N-Ethylethylenediamine see 02990 2-Ethylaminoethylamine				
02845	Ethyl ethylthiomethyl sulfoxide (Formaldehyde dimethylmercaptal-S-oxide) 6.1/81a $\text{CH}_3\text{CH}_2\text{SOCH}_2\text{SCH}_2\text{CH}_3$ $\text{C}_5\text{H}_{12}\text{OS}_2$ M_r 152.28 [37032-07-8] purum ~97%(GC); B.P. 119-100°; d_4^{20} 1.116; n_D^{20} 1.528				
			1 lt ≈ 1.12 kg	5 ml 32.—	25 ml 135.—
46990	Ethyl fluoroacetate 6.1/12; 31° $\text{FCH}_2\text{COOC}_2\text{H}_5$ $\text{C}_4\text{H}_7\text{FO}_2$ M_r 106.10 [459-72-3] purum >98%(GC); B.P. 115-118°; d_4^{20} 1.092; n_D^{20} 1.377; very poisonous				
			1 lt ≈ 1.09 kg	25 ml 14.—	100 ml 50.—
03951	N-Ethylformamide (N-Formylethylamine) 8/35 $\text{HCONHC}_2\text{H}_5$ $\text{C}_3\text{H}_7\text{NO}$ M_r 73.10 [627-45-2] purum >99%(GC); B.P. 202-204°; d_4^{20} 0.95; n_D^{20} 1.432				
			1 lt ≈ 0.95 kg	50 ml 16.—	250 ml 67.—
06480	Ethyl formate 3/1a; -20° HCOOC_2H_5 $\text{C}_3\text{H}_6\text{O}_2$ M_r 74.08 [109-94-4] purum ~97%(GC) + ~3% Ethanol; B.P. 52-55°; d_4^{20} 0.92; n_D^{20} 1.360				
			1 lt ≈ 0.92 kg	1 lt 18.—	2.5 lt 40.—
48010	Ethyl 2-furoate purum ~98%(GC); M.P. 32-34°; store in refrigerator 4.1/11; 79° $\text{QCH:CHCH:CCOOC}_2\text{H}_5$ $\text{C}_7\text{H}_8\text{O}_3$ M_r 140.14 [614-99-3]				
				100 g 28.—	
48015	Ethyl 3-fuorate pract. ~97%(GC); B.P. 173-175°; d_4^{20} 1.109; n_D^{20} 1.463 3/4; 65° $\text{CH:CHOCH:CCOOC}_2\text{H}_5$ $\text{C}_7\text{H}_8\text{O}_3$ M_r 140.14 [614-98-2]				
			1 lt ≈ 1.11 kg	10 ml 25.—	
48640	Ethyl gallate purum >99%(NT); M.P. 150-151°; Antioxidant $(\text{HO})_3\text{C}_6\text{H}_2\text{COOC}_2\text{H}_5$ $\text{C}_9\text{H}_{10}\text{O}_5$ M_r 198.18 [831-61-8]				
				100 g 22.—	500 g 90.—
	Ethyl glycol see 02530 2-Ethoxyethanol				
51630	Ethyl heptadecanoate purum $\text{CH}_3(\text{CH}_2)_{15}\text{COOC}_2\text{H}_5$ $\text{C}_{19}\text{H}_{38}\text{O}_2$ M_r 298.51 [14010-23-2]				
				5 g 16.—	25 g 67.—
77252	Ethyl heptafluorobutyrate (Ethyl perfluorobutyrate) 3/1a; 12° $\text{CF}_3\text{CF}_2\text{CF}_2\text{COOC}_2\text{H}_5$ $\text{C}_6\text{H}_5\text{F}_7\text{O}_2$ M_r 242.09 [356-27-4] purum >98%(GC); B.P. 95-98°; d_4^{20} 1.394; n_D^{20} 1.304				
			1 lt ≈ 1.39 kg	10 ml 28.—	50 ml 120.—
75200	Ethyl heptanoate purum ~99%(GC); B.P. 168-70°; d_4^{20} 0.868; n_D^{20} 1.413 3/4; 74° $\text{CH}_3(\text{CH}_2)_5\text{COOC}_2\text{H}_5$ $\text{C}_9\text{H}_{18}\text{O}_2$ M_r 158.24 [106-30-9]				
			1 lt ≈ 0.87 kg	250 ml 22.—	1 lt 80.—
	Ethyl heptyl ketone see 04010 3-Decanone				
	2-Ethylhexanal see 03290 2-Ethylcapronaldehyde				
04020	2-Ethyl-1,3-hexanediol ("Ethylhexylene glycol") $\text{CH}_3\text{CH}_2\text{CH}_2\text{CH}(\text{OH})\text{CH}(\text{C}_2\text{H}_5)\text{CH}_2\text{OH}$ $\text{C}_8\text{H}_{18}\text{O}_2$ M_r 146.23 [94-96-2] purum USP; >98%(GC); B.P. 243-245°; d_4^{20} 0.94; n_D^{20} 1.451; Mixture of diastereoisomers				
			1 lt ≈ 0.94 kg	250 ml 7.—	1 lt 20.—
	Ethyl hexanoate see 21550 Ethyl caproate				
	2-Ethylhexanoic acid see 03300 2-Ethylcaproic acid				

					sFr.	sFr.
	2-Ethyl-1-hexanol ("Isooctyl alcohol")					
	3/4; 81°	$\text{CH}_3(\text{CH}_2)_3\text{CH}(\text{C}_2\text{H}_5)\text{CH}_2\text{OH}$	$\text{C}_8\text{H}_{18}\text{O}$	M_r 130.23 [104-76-7]		
4050		purum >99%(GC); B.P. 182-185°; d_4^{20} 0.833; n_D^{20} 1.431			1 lt ≈ 0.83 kg	1 lt 12. — 2.5 lt 26. —
15790	2-Ethylhexyl acetate pract.					
	3/4; 82°	$\text{CH}_3\text{COOCH}_2\text{CH}(\text{C}_2\text{H}_5)(\text{CH}_2)_3\text{CH}_3$	$\text{C}_{10}\text{H}_{20}\text{O}_2$	M_r 172.27 [103-09-3]	1 lt ≈ 0.87 kg	500 ml 12. — 2.5 lt 50. —
	2-Ethylhexyl acrylate					
		$\text{CH}_2=\text{CHCOOCH}_2\text{CH}(\text{C}_2\text{H}_5)(\text{CH}_2)_3\text{CH}_3$	$\text{C}_{11}\text{H}_{20}\text{O}_2$	M_r 184.28 [103-11-7]		
01760		purum >98%(GC); B.P. 213-215°; d_4^{20} 0.884; n_D^{20} 1.435; stab. with 0.01% Hydroquinone monomethyl ether			1 lt ≈ 0.88 kg	250 ml 9. — 1 lt 30. —
	2-Ethyl-1-hexylamine					
	3/4; 60°	$\text{CH}_3(\text{CH}_2)_3\text{CH}(\text{C}_2\text{H}_5)\text{CH}_2\text{NH}_2$	$\text{C}_8\text{H}_{19}\text{N}$	M_r 129.25 [104-75-6]		
04080		purum >98%(GC); B.P. 168-170°; d_4^{20} 0.79; n_D^{20} 1.431			1 lt ≈ 0.79 kg	250 ml 12. — 1 lt 40. —
	Ethyl hexyl carbinol see 74295 3-Nonanol					
	"Ethyl hexylene glycol" see 04020 2-Ethyl-1,3-hexanediol					
	Ethyl hexyl ketone see 04090 3-Nonanone					
	2-Ethylhexyl methacrylate					
		$\text{CH}_2=\text{C}(\text{CH}_3)\text{COOCH}_2\text{CH}(\text{C}_2\text{H}_5)(\text{CH}_2)_3\text{CH}_3$	$\text{C}_{12}\text{H}_{22}\text{O}_2$	M_r 198.31 [688-84-6]		
64072		purum >98%(GC); B.P. 120° (Lit.); d_4^{20} 0.883; n_D^{20} 1.438			1 lt ≈ 0.88 kg	250 ml 18. — 1 lt 65. —
88670	2-Ethylhexyl thioglycolate purum >98%(GC); d_4^{20} 0.974; n_D^{20} 1.461					
	3/4; 56°	$\text{HSCH}_2\text{COOCH}_2\text{CH}(\text{C}_2\text{H}_5)(\text{CH}_2)_3\text{CH}_3$	$\text{C}_{10}\text{H}_{20}\text{O}_2\text{S}$	M_r 204.33 [7659-86-1]	1 lt ≈ 0.97 kg	500 ml 24. —
04100	Ethylhydrazine oxalate purum >99%; M.P. 170-171°					
		$\text{C}_2\text{H}_5\text{NHNH}_2 \cdot (\text{COOH})_2$	$\text{C}_2\text{H}_8\text{N}_2 \cdot \text{C}_2\text{H}_2\text{O}_4$	M_r 150.14 [6629-60-3]		5 g 20. — 25 g 85. —
	Ethyl hydrocinnamate					
	3/4	$\text{C}_6\text{H}_5\text{CH}_2\text{CH}_2\text{COOC}_2\text{H}_5$	$\text{C}_{11}\text{H}_{14}\text{O}_2$	M_r 178.23 [2021-28-5]		
56675		purum >98%(GC); B.P. 247-249°; d_4^{20} 1.014; n_D^{20} 1.494			1 lt ≈ 1.01 kg	50 ml 34. — 250 ml 145. —
	Ethyl N-hydroxyacetimidate see 00508 Ethyl acetohydroxamate					
	2-Ethyl-7-hydroxy-1,2-benzisoxazolium tetrafluoroborate					
		$\text{HO}\text{C}_6\text{H}_3\text{ON}(\text{C}_2\text{H}_5)(\text{BF}_4)\text{CH}$	$\text{C}_9\text{H}_{10}\text{BF}_4\text{NO}_2$	M_r 250.99 [16859-20-4]		
04135		purum ~97%(N); "peptide coupling reagent": D. S. Kemp et al., Tetrahedron 30, 3677, 3955, 3969 (1974)				1 g 18. —
54650	Ethyl 3-hydroxybenzoate purum M.P. 72-74°					
		$\text{HOC}_6\text{H}_4\text{COOC}_2\text{H}_5$	$\text{C}_9\text{H}_{10}\text{O}_3$	M_r 166.18 [7781-98-8]		25 g 22. — 100 g 80. —
54660	Ethyl 4-hydroxybenzoate purum >98%(NT); M.P. 114-116°					
		$\text{HOC}_6\text{H}_4\text{COOC}_2\text{H}_5$	$\text{C}_9\text{H}_{10}\text{O}_3$	M_r 166.18 [120-47-8]		250 g 14. — 1 kg 50. —
	Ethyl 3-hydroxybutyrate					
	3/4; 77°	$\text{CH}_3\text{CH}(\text{OH})\text{CH}_2\text{COOC}_2\text{H}_5$	$\text{C}_6\text{H}_{12}\text{O}_3$	M_r 132.16 [5405-41-4]		
54950		purum >97%(GC); B.P. 72-74°; d_4^{20} 1.011; n_D^{20} 1.421			1 lt ≈ 1.01 kg	50 ml 17. — 250 ml 70. —
04131	2-Ethyl 2-hydroxybutyric acid purum					
		$(\text{C}_2\text{H}_5)_2\text{C}(\text{OH})\text{COOH}$	$\text{C}_6\text{H}_{12}\text{O}_3$	M_r 132.16 [3639-21-2]		10 g 18. — 50 g 75. —
	Ethyl 2-hydroxycaproate					
	3/4	$\text{CH}_3(\text{CH}_2)_3\text{CH}(\text{OH})\text{COOC}_2\text{H}_5$	$\text{C}_8\text{H}_{16}\text{O}_3$	M_r 160.22 [6946-90-3]		
55000		purum >99%(GC); B.P. 46-47°; d_4^{20} 0.967; n_D^{20} 1.425			1 lt ≈ 0.97 kg	25 ml 33. — 100 ml 120. —
	3-Ethyl-5-(2-hydroxyethyl)-4-methylthiazolium bromide					
		$\text{C}_8\text{H}_{14}\text{BrNOS}$	M_r 252.18 [54016-70-5]			
04122		purum >99%(Br); M.P. 85-86°; hygroscopic; Catalyst for the addition of aromatic and heterocyclic aldehydes to α,β -unsaturated nitriles, esters and ketones: H. Stetter et al., Chem. Ber. 109, 2890 (1976); ibid. 110, 1971 (1977); ibid. 111, 431, 2825 (1978); H. Stetter et al., Angew. Chem. 88, 695 (1976); ibid. 90, 130 (1978)				10 g 22. — 50 g 90. —
04130	N-Ethyl-N-(2-hydroxyethyl)-p-phenylenediamine sulfate purum >97%(T)					
		$\text{HOCH}_2\text{CH}_2(\text{C}_2\text{H}_5)\text{NC}_6\text{H}_4\text{NH}_2 \cdot \text{H}_2\text{SO}_4$	$\text{C}_{10}\text{H}_{16}\text{N}_2\text{O} \cdot \text{H}_2\text{SO}_4$	M_r 278.33 [4327-84-8]	50 g 11. — 250 g 46. —	1 kg 160. —
	Ethyl α-hydroxyisobutyrate					
	3/3; 41°	$(\text{CH}_3)_2\text{C}(\text{OH})\text{COOC}_2\text{H}_5$	$\text{C}_6\text{H}_{12}\text{O}_3$	M_r 132.16 [80-55-7]		
55400		purum >97%(GC); B.P. 45-46°; d_4^{20} 0.982; n_D^{20} 1.408			1 lt ≈ 0.98 kg	25 ml 9. — 100 ml 30. — 500 ml 125. —

				sFr.	sFr.
55440	Ethyl α-hydroxyisocaproate purum B.P. ₁₀ 80-82°; d_4^{20} 0.96; n_D^{20} 1.424 3/4; 64° $(CH_3)_2CHCH_2CH(OH)COOC_2H_5$ $C_8H_{16}O_3$ M_r 160.22 [10348-47-7]	1 lt $\approx$ 0.96 kg	5 ml 60. —		
	2-Ethyl-2-hydroxymethyl-1,3-propanediol see 93370 1,1,1-Tris(hydroxymethyl)propane				
04140	1-Ethyl 3-hydroxypiperidine (1-Ethyl-3-piperidinol) $C_2H_5N(CH_2)_3CH(OH)CH_2$ $C_7H_{15}NO$ M_r 129.20 [13444-24-1] purum $\sim$ 97% (GC); B.P. ₁₆ 94-96°; n_D^{20} 1.477	1 lt $\approx$ 0.97 kg	25 ml 16. —	100 ml 55. —	
04139	1-Ethyl 4-hydroxypiperidine (1-Ethyl-4-piperidinol) 3/4 $C_2H_5NCH_2CH_2CH(OH)CH_2CH_2$ $C_7H_{15}NO$ M_r 129.20 [3518-83-0] purum $>$ 98% (GC); B.P. 208-210° (Lit.); d_4^{20} 0.975	1 lt $\approx$ 0.98 kg	25 ml 31. —		
56650	Ethyl 2-hydroxy-n-valerate purum 3/4; 61° $CH_3CH_2CH_2CH(OH)COOC_2H_5$ $C_7H_{14}O_3$ M_r 146.19 [16179-36-5]	1 lt $\approx$ 0.98 kg	10 ml 28. —	50 ml 120. —	
	Ethylidene chloride see 35100 1,1-Dichloroethane				
04138	2-Ethylimidazole purum $>$ 98% (NT); M.P. 78-81° $HNCH:CHN:CC_2H_5$ $C_5H_8N_2$ M_r 96.13 [1072-62-4]		100 g 35. —		
	Ethyl iodide see 04150 Iodoethane				
57850	Ethyl iodoacetate 8/21 $ICH_2COOC_2H_5$ $C_4H_7IO_2$ M_r 214.00 [623-48-3] purum $>$ 98% (GC); B.P. ₁₂ 74°; d_4^{20} 1.80; n_D^{20} 1.501; store in refrigerator	1 lt $\approx$ 1.80 kg	25 ml 20. —	100 ml 70. —	
	"Ethyl isoamyl ketone" see 67260 5-Methyl-3-heptanone				
	Ethyl isobutyl ketone see 04180 5-Methyl-3-hexanone				
58380	Ethyl isobutyrate purum $>$ 98% (GC); B.P. 107-110°; d_4^{20} 0.867; n_D^{20} 1.388 3/1a; 20° $(CH_3)_2CHCOOC_2H_5$ $C_6H_{12}O_2$ M_r 116.16 [623-48-3]	1 lt $\approx$ 0.87 kg	250 ml 18. —	1 lt 65. —	
58700	Ethyl isobutyrylacacetate 3/3; 44° $(CH_3)_2CHCOCH_2COOC_2H_5$ $C_8H_{14}O_3$ M_r 158.20 [7152-15-0] pract. $\sim$ 95% (GC); B.P. ₁₂ 90-92°; d_4^{20} 0.981; n_D^{20} 1.426	1 lt $\approx$ 0.98 kg	10 ml 35. —	50 ml 145. —	
58730	Ethyl isocaproate purum $>$ 97% (GC); B.P. 152° (Lit.); d_4^{20} 0.871; n_D^{20} 1.405 3/3; 43° $(CH_3)_2CHCH_2CH_2COOC_2H_5$ $C_8H_{16}O_2$ M_r 144.22 [25415-67-2]	1 lt $\approx$ 0.87 kg	25 ml 24. —	100 ml 90. —	
04200	Ethyl isocyanate 6.1/2b; $<-10^\circ$. C_2H_5NCO C_3H_5NO M_r 71.08 [109-90-0] pract. $>$ 98% (GC); B.P. 59-61°; d_4^{20} 0.905; n_D^{20} 1.381; store in refrigerator	1 lt $\approx$ 0.90 kg	100 ml 20. —	500 ml 85. —	
58822	Ethyl isocyanoacetate 6.1/21 $CNCH_2COOCH_2CH_3$ $C_5H_7NO_2$ M_r 113.12 [2999-46-4] pract. $>$ 95% (GC); B.P. 194-196°; d_4^{20} 1.035; n_D^{20} 1.421; D. Hoppe, Angew. Chem. 86, 878 (1974); U. Schollkopf, Angew. Chem. 89, 351 (1977)	1 lt $\approx$ 1.04 kg	5 ml 37. —	25 ml 155. —	
58950	Ethyl isonicotinate $N:CHCH:C(COOC_2H_5)CH:CH$ $C_8H_9NO_2$ M_r 151.17 [1570-45-2] purum $>$ 99% (GC); B.P. ₁ 66-68°; d_4^{20} 1.104; n_D^{20} 1.501	1 lt $\approx$ 1.10 kg	50 ml 26. —	250 ml 110. —	
58960	pract. $>$ 97% (GC); d_4^{20} 1.102; n_D^{20} 1.500	1 lt $\approx$ 1.10 kg	100 ml 20. —	500 ml 85. —	
80660	Ethyl isonipecotate $CH_2CH_2NHCH_2CH_2CHCOOC_2H_5$ $C_8H_{15}NO_2$ M_r 157.22 [1126-09-6] purum $\sim$ 99% (GC); B.P. 100-101° (Lit.); d_4^{20} 1.021; n_D^{20} 1.461	1 lt $\approx$ 1.02 kg	25 ml 17. —	100 ml 60. —	
59280	Ethyl 2-isopropylacetoacetate 3/4; 76° $CH_3COCH[CH(CH_3)_2]COOC_2H_5$ $C_9H_{16}O_3$ M_r 172.23 [1522-46-9] pract. $>$ 90% (GC); B.P. ₁₂ 82-85°; d_4^{20} 0.962; n_D^{20} 1.425	1 lt $\approx$ 0.96 kg	25 ml 33. —	100 ml 120. —	
04211	N-Ethylisopropylamine (1-Methyldiethylamine) 8/35; 16° $(CH_3)_2CHNHC_2H_5$ $C_6H_{13}N$ M_r 87.17 [19961-27-4] purum $>$ 98% (GC); B.P. 71-73°; d_4^{20} 0.72; n_D^{20} 1.40	1 lt $\approx$ 0.72 kg	5 ml 29. —	25 ml 120. —	
	Ethyl isopropyl carbinol see 68390 2-Methyl-3-pentanol				
	Ethyl isopropyl ketone see 04220 2-Methyl-3-pentanone				

			sFr.	sFr.
	Ethyl isothiocyanate			
	6.1/11; 24° C ₂ H ₅ NCS C ₃ H ₅ NS M _r 87.14 [542-85-8]			
04240	purum >97%(GC); B.P. 130-132°; d ₄ ²⁰ 0.995; n _D ²⁰ 1.506		1 lt ≈ 1.00 kg	100 ml 25. — 500 ml 105. —
	Ethyl isovalerate			
	3/3; 22° (CH ₃) ₂ CHCH ₂ COOC ₂ H ₅ C ₇ H ₁₄ O ₂ M _r 130.19 [108-64-5]			
59862	purum >97%(GC); B.P. 132-134°; d ₄ ²⁰ 0.864; n _D ²⁰ 1.398		1 lt ≈ 0.86 kg	100 ml 14. — 500 ml 60. —
	Ethyl L(—)-lactate [S(—)-2-Hydroxypropionic acid ethyl ester]			
	3/3; 46° CH ₃ CH(OH)COOC ₂ H ₅ C ₅ H ₁₀ O ₃ M _r 118.13 [687-47-8]			
69799	purum >98%(GC); B.P. 152-155°; d ₄ ²⁰ 1.031; n _D ²⁰ 1.412; [α] _D ²⁰ — 12.4±0.3°; [α] _D ²⁰ — 11.0±0.3°		1 lt ≈ 1.03 kg	1 lt 18. — 5 lt 75. —
61630	Ethyl laurate purum >98%(GC); B.P. 269° (Lit.); d ₄ ²⁰ 0.862; n _D ²⁰ 1.432 CH ₃ (CH ₂) ₁₀ COOC ₂ H ₅ C ₁₄ H ₂₈ O ₂ M _r 228.38 [106-33-2]		1 lt ≈ 0.86 kg	100 ml 9. — 500 ml 32. —
61395	Ethyl levulinate purum >99%(GC); B.P. 203-205°; d ₄ ²⁰ 1.012; n _D ²⁰ 1.423 CH ₃ COCH ₂ CH ₂ COOC ₂ H ₅ C ₇ H ₁₂ O ₃ M _r 144.17 [539-88-8]		1 lt ≈ 1.01 kg	100 ml 20. — 500 ml 85. —
	Ethyl linoleate			
	CH ₃ (CH ₂) ₃ (CH ₂ CH:CH) ₂ (CH ₂) ₇ COOC ₂ H ₅ C ₂₀ H ₃₆ O ₂ M _r 308.51 [544-35-4]			
62250	puriss. ~99%(GC); B.P. 172-174° (Lit.); d ₄ ²⁰ 0.878; n _D ²⁰ 1.457; store in refrigerator		1 lt ≈ 0.88 kg	1 ml 11. — 10 ml 85. —
62260	purum natural ~98%(GC); d ₄ ²⁰ 0.882; n _D ²⁰ 1.461; store in refrigerator		1 lt ≈ 0.88 kg	5 ml 13. — 25 ml 55. —
62262	techn. 65-70%(GC); d ₄ ²⁰ 0.873; n _D ²⁰ 1.455		1 lt ≈ 0.87 kg	100 ml 14. — 500 ml 60. —
	Ethyl linolenate (Linolenic acid ethyl ester)			
	CH ₃ (CH ₂ CH:CH) ₃ (CH ₂) ₇ COOC ₂ H ₅ C ₂₀ H ₃₄ O ₂ M _r 306.49 [1191-41-9]			
62180	puriss. ~99%; B.P. 166-168° (Lit.); d ₄ ²⁰ 0.893; n _D ²⁰ 1.468; store in refrigerator		1 lt ≈ 0.89 kg	1 ml 16. — 5 ml 67. —
	N-Ethylmaleimide			
	C ₂ H ₅ NCOCH:CHCO C ₆ H ₇ NO ₂ M _r 125.13 [128-53-0]			
04260	puriss. ~99%(N); M.P. 45-46°; Ash <0.05%; store in refrigerator; For the modification of sulfhydryl groups: J. F. Riordan and B. L. Vallee, Methods in Enzymology, Vol. XI, 541 (1967)		1 g 7. —	5 g 15. — 25 g 50. —
	mono-Ethyl malonate Potassium salt (Potassium monoethylmalonate)			
	C ₂ H ₅ OCOCH ₂ COOK C ₅ H ₇ KO ₄ M _r 170.21 [6148-64-7]			
63400	purum ~97%(NT); M.P. 195-200° dec.			25 g 26. — 100 g 95. —
04270	Ethylmalonic acid purum ~98%; M.P. 110-112°; Ash <0.1% C ₂ H ₅ CH(COOH) ₂ C ₅ H ₈ O ₄ M _r 132.12 [601-75-2]			10 g 25. — 50 g 105. —
	Ethyl malonyl chloride			
	CH ₃ CH ₂ OCOCH ₂ COCl C ₅ H ₇ ClO ₃ M _r 150.56 [36239-09-5]			
63398	pract. B.P. 45°; d ₄ ²⁰ 1.169; n _D ²⁰ 1.477		1 lt ≈ 1.17 kg	5 ml 34. — 25 ml 145. —
	Ethyl DL-mandelate			
	C ₆ H ₅ CH(OH)COOC ₂ H ₅ C ₁₀ H ₁₂ O ₃ M _r 180.21 [774-40-3]			
63490	purum ~97%(GC); M.P. 25-28°; B.P. 253-255° (Lit.); d ₄ ²⁰ 1.13		1 lt ≈ 1.13 kg	100 ml 22. — 500 ml 90. —
	Ethyl mercaptan see 04290 Ethanethiol			
	Ethyl mercaptoacetate see 88660 Ethyl thioglycolate			
	4-Ethylmercapto-2-aminobutyric acid see 02490 L-Ethionine			
	2-(Ethylmercuriomercapto)benzoic acid Sodium salt see 71230 Sodium ethylmercurithiosalicylate			
	Ethyl O-mesitylenesulfonyl acethydroxamate			
	(CH ₃) ₃ C ₆ H ₂ SO ₂ ON:C(CH ₃)OCH ₂ CH ₃ C ₁₃ H ₁₉ NO ₄ S M _r 285.37 [38202-27-6]			
63936	purum >98%(N); M.P. 54-56°; store in refrigerator; Stable precursor of O-mesitylenesulfonylhydroxylamine (MSH) - a powerful aminating reagent. Review: Y. Tamura, J. Minamikawa, Synthesis 1 (1977)			5 g 32. — 25 g 135. —
	Ethyl methacrylate			
	3/3; 19° CH ₂ :C(CH ₃)COOC ₂ H ₅ C ₆ H ₁₀ O ₂ M _r 114.15 [97-63-2]			
64070	purum stab. with 0.0015% Hydroquinone-monomethylether; >99%(GC); B.P. 116-118°; d ₄ ²⁰ 0.915; n _D ²⁰ 1.414; store in refrigerator		1 lt ≈ 0.92 kg	250 ml 9. — 1 lt 28. —

				sFr.	sFr.
Ethyl methoxyacetate					
64970	3/3; 47°	$\text{CH}_3\text{OCH}_2\text{COOC}_2\text{H}_5$ $\text{C}_5\text{H}_{10}\text{O}_3$ M_r 118.13 [3938-96-3] purum >98%(GC); B.P. 130-132°; d_4^{20} 1.006; n_D^{20} 1.401	1 lt ≈ 1.01 kg	50 ml 24. —	
Ethyl 2-methylacetoacetate					
65440	3/4; 57°	$\text{CH}_3\text{COCH}(\text{CH}_3)\text{COOC}_2\text{H}_5$ $\text{C}_7\text{H}_{12}\text{O}_3$ M_r 144.17 [609-14-3] purum free of homologues; ~97%(GC); B.P. 179-81°; d_4^{20} 0.999; n_D^{20} 1.419	1 lt ≈ 1.00 kg	5 ml 7. —	25 ml 23. — 250 ml 185. —
1-Ethyl-3-methylallene see 52445 2,3-Hexadiene					
N-Ethylmethylaniline					
04323	3/5; 2°	$\text{C}_2\text{H}_5\text{NHCH}_3$ $\text{C}_3\text{H}_9\text{N}$ M_r 59.11 [624-78-2] pract. ~95%(GC); B.P. 33-34°; d_4^{20} 0.688; n_D^{20} 1.376; store in refrigerator	1 lt ≈ 0.69 kg	5 ml 21. —	25 ml 90. —
04325	2-Ethyl-6-methylaniline	pract. >97%(GC); d_4^{20} 0.968; n_D^{20} 1.552 6.1/11 $\text{C}_2\text{H}_5\text{C}_6\text{H}_3(\text{NH}_2)\text{CH}_3$ $\text{C}_9\text{H}_{13}\text{N}$ M_r 135.21 [24549-06-2]	1 lt ≈ 0.97 kg	100 ml 13. —	500 ml 55. —
Ethyl 2-methylbutyrate					
66135	3/3; 26°	$\text{CH}_3\text{CH}_2\text{CH}(\text{CH}_3)\text{COOC}_2\text{H}_5$ $\text{C}_7\text{H}_{14}\text{O}_2$ M_r 130.19 [7452-79-1] pract. ~95%(GC); B.P. 130-133°; d_4^{20} 0.868; n_D^{20} 1.397	1 lt ≈ 0.87 kg	50 ml 24. —	250 ml 100. —
Ethyl methyl ketone see 04380 2-Butanone					
Ethyl 1-methyl-3-piperidinecarboxylate (Ethyl 1-methylnipecotate)					
68865	3/4; 82°	$\text{CH}_2\text{N}(\text{CH}_3)\text{CH}_2\text{CH}_2\text{CH}_2\text{CHCOOC}_2\text{H}_5$ $\text{C}_9\text{H}_{17}\text{NO}_2$ M_r 171.24 [5166-67-6] pract. B.P. 213-215°; n_D^{20} 1.451	1 lt ≈ 1.10 kg	25 ml 29. —	100 ml 105. —
04441	2-Ethyl-2-methyl-1,3-propanediol	purum M.P. 41-43° (HOCH_2) ₂ C(CH ₃)CH ₂ CH ₃ $\text{C}_6\text{H}_{14}\text{O}_2$ M_r 118.18 [77-84-9]		250 g 13. —	1 kg 45. —
3-Ethyl-4-methylpyridine (β-Collidine)					
04451		$\text{N}:\text{CHC}(\text{C}_2\text{H}_5):\text{C}(\text{CH}_3)\text{CH}:\text{CH}$ $\text{C}_8\text{H}_{11}\text{N}$ M_r 121.18 [529-21-5] pract. >97%(GC); B.P. 194-196°; d_4^{20} 0.945; n_D^{20} 1.507	1 lt ≈ 0.94 kg	25 ml 17. —	100 ml 60. —
5-Ethyl-2-methylpyridine					
04470	60°	$\text{N}:\text{C}(\text{CH}_3)\text{CH}:\text{CHC}(\text{C}_2\text{H}_5):\text{CH}$ $\text{C}_8\text{H}_{11}\text{N}$ M_r 121.18 [104-90-5] pract. >97%(GC); B.P. 172-175°; d_4^{20} 0.919; n_D^{20} 1.497	1 lt ≈ 0.92 kg	1 lt 28. —	
04490	Ethyl methyl sulfide	pract. >97%(GC); B.P. 66° (Lit.); d_4^{20} 0.844; n_D^{20} 1.440 3/1a; <0° $\text{CH}_3\text{CH}_2\text{SCH}_3$ $\text{C}_3\text{H}_8\text{S}$ M_r 76.16 [624-89-5]	1 lt ≈ 0.84 kg	10 ml 11. —	50 ml 44. —
4-Ethylmorpholine					
04499	3/3; 32°	$\text{C}_2\text{H}_5\text{NCH}_2\text{CH}_2\text{OCH}_2\text{CH}_2$ $\text{C}_6\text{H}_{13}\text{NO}$ M_r 115.18 [100-74-3] for sequential analysis	1 lt ≈ 0.91 kg	100 ml 30. —	
04500		purum ~97%(GC); B.P. 137-139°; d_4^{20} 0.913; n_D^{20} 1.442; <3% N-Methylmorpholine	1 lt ≈ 0.91 kg	250 ml 14. —	1 lt 50. —
Ethyl myristate					
70090		$\text{CH}_3(\text{CH}_2)_{12}\text{COOC}_2\text{H}_5$ $\text{C}_{16}\text{H}_{32}\text{O}_2$ M_r 256.43 [124-06-1] puriss. >99%(GC); B.P. 100-103°; d_4^{20} 0.861; n_D^{20} 1.436	1 lt ≈ 0.86 kg	100 ml 28. —	500 ml 120. —
70092		pract. >98%(GC); d_4^{20} 0.861; n_D^{20} 1.436	1 lt ≈ 0.86 kg	250 ml 21. —	1 lt 75. —
1-Ethyl-naphthalene					
04510		$\text{C}_{10}\text{H}_7\text{C}_2\text{H}_5$ $\text{C}_{12}\text{H}_{12}$ M_r 156.23 [1127-76-0] purum >99%(GC); B.P. 175°; d_4^{20} 1.008; n_D^{20} 1.601	1 lt ≈ 1.00 kg	10 ml 20. —	50 ml 85. —
2-Ethyl-naphthalene					
04520		$\text{C}_{10}\text{H}_7\text{C}_2\text{H}_5$ $\text{C}_{12}\text{H}_{12}$ M_r 156.23 [939-27-5] puriss. >99.5%(GC); B.P. 257-259°; d_4^{20} 0.992; n_D^{20} 1.599	1 lt ≈ 0.99 kg	10 ml 25. —	50 ml 105. —
N-Ethyl-1-naphthylamine (α-Ethylaminonaphthalene)					
04540	6.1/21g	$\text{C}_2\text{H}_5\text{NHC}_{10}\text{H}_7$ $\text{C}_{12}\text{H}_{13}\text{N}$ M_r 171.24 [118-44-5] purum >98%(GC); B.P. 113-115°; d_4^{20} 1.062; n_D^{20} 1.644	1 lt ≈ 1.06 kg	10 ml 16. —	50 ml 67. —
04550		techn. >90%(GC); d_4^{20} 1.067	1 lt ≈ 1.07 kg	100 ml 12. —	500 ml 50. —
Ethyl 2-naphthyl ether (2-Ethoxynaphthalene; Neroline)					
04530		$\text{C}_2\text{H}_5\text{OC}_{10}\text{H}_7$ $\text{C}_{12}\text{H}_{12}\text{O}$ M_r 172.23 [93-18-5] purum >99%(GC); M.P. 35-37°		250 g 17. —	1 kg 60. —
72320	Ethyl nicotinate	purum >98%(GC); B.P. 225-228°; d_4^{20} 1.107; n_D^{20} 1.504 6.1/21 $\text{CH}:\text{CHCH}:\text{NCH}:\text{CHCOOC}_2\text{H}_5$ $\text{C}_9\text{H}_9\text{NO}$ M_r 151.17 [614-18-6]	1 lt ≈ 1.11 kg	100 ml 15. —	500 ml 63. —

				sFr.	sFr.
Ethyl nipecotate (Ethyl 3-piperidinecarboxylate)					
80655	3/4; 85°	$\text{CH}_2\text{NH}(\text{CH}_2)_3\text{CHCOOC}_2\text{H}_5$ $\text{C}_9\text{H}_{15}\text{NO}_2$ M_r 157.21 [25137-01-3]	pract. ~97% (GC); B.P. 102-104°; d_4^{20} 1.020; n_D^{20} 1.460	1 lt ≈ 1.02 kg	50 ml 26. —
2-Ethylnitrobenzene (2-Nitroethylbenzene)					
72640	6.1/61	$\text{NO}_2\text{C}_6\text{H}_4\text{C}_2\text{H}_5$ $\text{C}_8\text{H}_9\text{NO}_2$ M_r 151.17 [612-22-6]	purum >99% (GC); M.P. -13--10°; B.P. 234-236°; d_4^{20} 1.122; n_D^{20} 1.555	1 lt ≈ 1.12 kg	250 ml 8. — 1 lt 25. —
4-Ethylnitrobenzene (4-Nitroethylbenzene)					
72650	6.1/61	$\text{NO}_2\text{C}_6\text{H}_4\text{C}_2\text{H}_5$ $\text{C}_8\text{H}_9\text{NO}_2$ M_r 151.17 [100-12-9]	purum >99% (GC); M.P. -11--8°; B.P. 242-245° (Lit.); d_4^{20} 1.118; n_D^{20} 1.545	1 lt ≈ 1.12 kg	100 ml 15. — 500 ml 63. —
72920	Ethyl 2-nitrobenzoate	pract. >97% (GC); M.P. 25-30°; B.P. 173° (Lit.) $\text{NO}_2\text{C}_6\text{H}_4\text{COOC}_2\text{H}_5$ $\text{C}_9\text{H}_9\text{NO}_4$ M_r 195.18		1 lt ≈ 1.23 kg	100 ml 18. — 500 ml 75. —
72940	Ethyl 4-nitrobenzoate	purum M.P. 55-57° $\text{NO}_2\text{C}_6\text{H}_4\text{COOC}_2\text{H}_5$ $\text{C}_9\text{H}_9\text{NO}_4$ M_r 195.18 [99-77-4]			100 g 15. — 500 g 63. —
Ethyl nonanoate see 76350 Ethyl perlargonate					
Ethyl octanoate see 21670 Ethyl caprylate					
Ethyl oleate					
75100		$\text{CH}_3(\text{CH}_2)_7\text{CH}:\text{CH}(\text{CH}_2)_7\text{COOC}_2\text{H}_5$ $\text{C}_{20}\text{H}_{38}\text{O}_2$ M_r 310.52 [111-62-6]	mixture with other fatty acids ethyl esters; B.P. 216-218° (Lit.); d_4^{20} 0.871; n_D^{20} 1.453	1 lt ≈ 0.87 kg	250 ml 11. — 1 lt 38. —
Ethyl oxalyl chloride (Ethyl chloroglyoxylate; Oxalic acid monoethylester chloride)					
75753	8/22	$\text{ClCOCOCH}_2\text{CH}_3$ $\text{C}_4\text{H}_5\text{ClO}_3$ M_r 136.54 [4755-77-5]	pract. >97% (Cl); B.P. 130-133°; d_4^{20} 1.222; n_D^{20} 1.416	1 lt ≈ 1.22 kg	25 ml 14. — 100 ml 50. —
Ethyl oxamate					
75780		$\text{NH}_2\text{COCOOC}_2\text{H}_5$ $\text{C}_4\text{H}_7\text{NO}_3$ M_r 117.11 [617-36-7]	puriss. p.a. >99% (N); M.P. 114-115°; for the Determination of Barbituric acid and Thiobarbituric acid		25 g 9. — 100 g 28. —
Ethyl oximinocycanoacetate (Ethyl cyanoglyoxylate oxime)					
75800	6.1/21	$\text{NCC}(\text{:NOH})\text{COOC}_2\text{H}_5$ $\text{C}_5\text{H}_6\text{N}_2\text{O}_3$ M_r 142.12 [3849-21-6]	purum >98% (N); M.P. 129-131°		50 g 32. —
Ethyl 2-oxocyclohexanecarboxylate see 29161 Ethyl cyclohexanone-2-carboxylate					
Ethyl 2-oxocyclononanecarboxylate see 29567 Ethyl cyclononanone-2-carboxylate					
Ethyl 2-oxocyclopentanecarboxylate see 29780 Ethyl cyclopentanone-2-carboxylate					
Ethyl 2-oxohexanoate see 20790 Ethyl butyrylacetate					
Ethyl 5-oxohexanoate					
75900	3/4; 80°	$\text{CH}_3\text{COCH}_2\text{CH}_2\text{CH}_2\text{COOC}_2\text{H}_5$ $\text{C}_9\text{H}_{14}\text{O}_3$ M_r 158.20 [13984-57-1]	purum >98% (GC); B.P. 223-226°; d_4^{20} 0.995; n_D^{20} 1.429	1 lt ≈ 1.00 kg	10 ml 14. — 50 ml 60. —
Ethyl 3-oxo-n-valerate					
75953		$\text{CH}_3\text{CH}_2\text{COCH}_2\text{COOC}_2\text{H}_5$ $\text{C}_7\text{H}_{12}\text{O}_3$ M_r 144.17 [4949-44-4]	puriss. >99% (GC); B.P. 78-80°; d_4^{20} 1.004; n_D^{20} 1.424	1 lt ≈ 1.00 kg	5 ml 34. — 25 ml 145. —
Ethyl palmitate					
76130		$\text{CH}_3(\text{CH}_2)_{14}\text{COOC}_2\text{H}_5$ $\text{C}_{18}\text{H}_{36}\text{O}_2$ M_r 284.49 [628-97-7]	puriss. ~99% (GC); M.P. 20-23°; B.P. 184-185° (Lit.); d_4^{20} 0.859; n_D^{20} 1.440	1 lt ≈ 0.86 kg	25 ml 16. — 100 g 22. — 100 ml 55. — 500 g 90. —
76132°			purum ~97% (GC); M.P. 21-24°		
76350	Ethyl perlargonate	pract. B.P. 100-103°; d_4^{20} 0.86 (Ethyl nonanoate) 3/4; 94° $\text{CH}_3(\text{CH}_2)_7\text{COOC}_2\text{H}_5$ $\text{C}_{11}\text{H}_{22}\text{O}_2$ M_r 186.30 [123-29-5]		1 lt ≈ 0.86 kg	100 ml 14. — 500 ml 60. —
77261	Ethyl pentadecafluorooctanoate	pract. (Ethyl perfluorocaprylate) 3/3; 45° $\text{CF}_3(\text{CF}_2)_6\text{COOC}_2\text{H}_5$ $\text{C}_{10}\text{H}_8\text{F}_{16}\text{O}_2$ M_r 442.13 [3108-24-5]		1 lt ≈ 1.62 kg	5 ml 50. —
Ethyl pentadecanoate					
76550		$\text{CH}_3(\text{CH}_2)_{13}\text{COOC}_2\text{H}_5$ $\text{C}_{17}\text{H}_{34}\text{O}_2$ M_r 270.46 [41114-00-5]	purum ~98% (GC); M.P. 12-14°; d_4^{20} 0.859; n_D^{20} 1.439	1 lt ≈ 0.86 kg	5 ml 21. — 25 ml 90. —

			sFr.	sFr.
	Ethyl pentafluoropropionate (Ethyl perfluoropropionate) 3/1a; 16° $\text{CF}_3\text{CF}_2\text{COOC}_2\text{H}_5$ $\text{C}_5\text{H}_5\text{F}_5\text{O}_2$ M_r 192.09 [426-65-3] 77291 purum >98% (GC); B.P. 74°; d_4^{20} 1.295; 1 lt $\approx$ 1.30 kg 5 ml 18. — 25 ml 75. —			
	3-Ethyl-3-pentanol (Triethylcarbinol) (C_2H_5) ₃ COH $\text{C}_7\text{H}_{16}\text{O}$ M_r 116.20 [597-49-9] 04640 purum >98% (GC); B.P. 140-143°; d_4^{20} 0.842; n_D^{20} 1.431 1 lt $\approx$ 0.84 kg 10 ml 18. — 50 ml 75. —			
	Ethyl pentyl carbinol see 74870 3-Octanol			
	Ethyl pentyl ketone see 04659 3-Octanone			
	Ethyl perfluorobutyrate see 77252 Ethyl heptafluorobutyrate			
	Ethyl perfluorocaprylate see 77261 Ethyl pentadecafluorooctanoate			
	Ethyl perfluoropropionate see 77291 Ethyl pentafluoropropionate			
	2-Ethylphenol pract. >98% (GC) 6.1/22 $\text{C}_2\text{H}_5\text{C}_6\text{H}_4\text{OH}$ $\text{C}_8\text{H}_{10}\text{O}$ M_r 122.17 [90-00-6] 1 lt $\approx$ 1.02 kg 50 ml 17. — 250 ml 70. —			
	3-Ethylphenol pract. >97% (GC); B.P. 96-97°; d_4^{20} 1.011; n_D^{20} 1.533 6.1/22 $\text{C}_2\text{H}_5\text{C}_6\text{H}_4\text{OH}$ $\text{C}_8\text{H}_{10}\text{O}$ M_r 122.17 [620-17-7] 1 lt $\approx$ 1.01 kg 25 ml 26. — 100 ml 95. —			
	4-Ethylphenol purum >97% (GC); M.P. 41-43° 6.1/22 $\text{C}_2\text{H}_5\text{C}_6\text{H}_4\text{OH}$ $\text{C}_8\text{H}_{10}\text{O}$ M_r 122.17 [127-07-9] 250 g 16. — 1 kg 55. —			
	Ethyl phenylacetate purum >98% (GC); B.P. 226° (Lit.); d_4^{20} 1.03; n_D^{20} 1.498 101° $\text{C}_6\text{H}_5\text{CH}_2\text{COOC}_2\text{H}_5$ $\text{C}_{10}\text{H}_{12}\text{O}_2$ M_r 164.21 [101-97-3] 1 lt $\approx$ 1.03 kg 250 ml 13. — 1 lt 45. —			
	α-Ethylphenylacetic acid see 78242 2-Phenylbutyric acid			
	5-Ethyl-5-phenylbarbituric acid (Phenobarbital) $\text{O}=\text{C}\text{NHCONHCO}(\text{C}_2\text{H}_5)\text{C}_6\text{H}_5$ $\text{C}_{12}\text{H}_{12}\text{N}_2\text{O}_3$ M_r 232.24 [50-06-6] 04710 purum Ph. Eur. >99% (T); M.P. 174-178° 250 g 26. —			
	5-Ethyl-5-phenylbarbituric acid Sodium salt (Phenobarbital Sodium) $\text{C}_{12}\text{H}_{11}\text{N}_2\text{NaO}_3$ M_r 254.23 [57-30-7] 04712 purum B.P. >98% (T) 250 g 33. —			
	Ethyl phenyl ether see 77600 Phenetole			
	2-Ethyl-5-phenylisoxazolium-3'-sulfonate see 95440 Woodward's Reagent K			
	Ethyl phenyl ketone see 82050 Propiophenone			
	Ethylphenylpolyethyleneglycol see 74385 Nonidet P40			
	Ethyl phenylpropiolate $\text{C}_6\text{H}_5\text{C}\equiv\text{CCOOC}_2\text{H}_5$ $\text{C}_{11}\text{H}_{10}\text{O}_2$ M_r 174.20 [2216-94-6] 78985 purum >98% (GC); B.P. 260-270°; d_4^{20} 1.055; n_D^{20} 1.552 1 lt $\approx$ 1.06 kg 5 ml 18. — 25 ml 75. —			
	Ethyl 2-picolinate purum >99% (GC); B.P. 120-122°; d_4^{20} 1.118; n_D^{20} 1.510 $\text{N}:\text{C}(\text{COOC}_2\text{H}_5)\text{CH}:\text{CHCH}:\text{CH}$ $\text{C}_8\text{H}_9\text{NO}_2$ M_r 151.17 [2524-52-9] 1 lt $\approx$ 1.12 kg 25 ml 29. — 100 ml 105. —			
	Ethyl pipercolinate purum (Ethyl piperidine-2-carboxylate) $\text{CH}_2\text{CH}_2\text{CH}_2\text{CH}_2\text{NHCHCOOC}_2\text{H}_5$ $\text{C}_9\text{H}_{15}\text{NO}_2$ M_r 157.22 [15862-72-3] 25 g 33. —			
	Ethyl piperazine-1-carboxylate see 02630 1-Ethoxycarbonylpiperazine			
	1-Ethylpiperidine 3/5; 17° $\text{C}_2\text{H}_5\text{N}(\text{CH}_2)_4\text{CH}_2$ $\text{C}_7\text{H}_{15}\text{N}$ M_r 113.20 [766-09-6] 04740 purum >98% (GC); B.P. 130-132°; d_4^{20} 0.82; n_D^{20} 1.444 1 lt $\approx$ 0.82 kg 100 ml 12. — 500 ml 50. —			
	2-Ethylpiperidine purum >97% (GC); B.P. 140-142°; d_4^{20} 0.846; n_D^{20} 1.451 3/5; 17° $\text{HN}(\text{CH}_2)_4\text{CHCH}_2\text{C}_2\text{H}_5$ $\text{C}_7\text{H}_{15}\text{N}$ M_r 113.20 [1484-80-6] 1 lt $\approx$ 0.85 kg 100 ml 12. — 500 ml 50. —			
	Ethyl 3-piperidinecarboxylate see 80655 Ethyl nipecotate			
	1-Ethyl-3-piperidinol see 04140 1-Ethyl-3-hydroxypiperidine			
	1-Ethyl-4-piperidinol see 04139 1-Ethyl-4-hydroxypiperidine			
	Ethyl pivalate purum >99% (GC); B.P. 116-118° 3/1a; 15° $(\text{CH}_3)_3\text{CCOOC}_2\text{H}_5$ $\text{C}_7\text{H}_{14}\text{O}_2$ M_r 130.19 [3938-95-2] 1 lt $\approx$ 0.86 kg 100 ml 16. — 500 ml 67. —			
	Ethyl pivaloylacetate (4,4-Dimethyl-3-oxopentanoic acid ethyl ester) 3/4; 78° $(\text{CH}_3)_3\text{CCOCH}_2\text{COOC}_2\text{H}_5$ $\text{C}_9\text{H}_{18}\text{O}_3$ M_r 172.23 [17094-34-7] 80940 purum >98% (GC); B.P. 88-90°; d_4^{20} 0.967; n_D^{20} 1.432 1 lt $\approx$ 0.97 kg 5 ml 29. — 25 ml 120. —			

			sFr.	sFr.
	Ethyl propenyl carbinol see 53060 4-Hexene-3-ol (cis + trans)			
	Ethyl propenyl ether (cis + trans)			
	3/1a; >20°C $C_2H_5OCH:CHCH_3$ $C_6H_{10}O$ M_r 86.14 [928-55-2]			
04755	purum ~99% (GC); B.P. 69-71°; d_4^{20} 0.775; n_D^{20} 1.398	1 lt ≈ 0.77 kg	250 ml 22. —	1 lt 80. —
81869	Ethyl propiolate purum >99% (GC); B.P. 117-120°; d_4^{20} 0.959; n_D^{20} 1.413	1 lt ≈ 0.96 kg	10 ml 38. —	50 ml 160. —
	3/3; 25° $HClCCOOC_2H_5$ $C_6H_8O_2$ M_r 98.10 [623-47-2]			
81920	Ethyl propionate puriss. >99% (GC); B.P. 96-99°; d_4^{20} 0.890; n_D^{20} 1.384	1 lt ≈ 0.89 kg	250 ml 8. —	1 lt 25. —
	3/1a; 12° $CH_3CH_2COOC_2H_5$ $C_6H_{10}O_2$ M_r 102.14 [105-37-3]			
	Ethyl propyl carbinol see 52860 3-Hexanol			
	Ethyl propyl ketone see 04760 3-Hexanone			
04775	Ethylpyrazine pract.		5 g 32. —	
	$\underline{CH:NCH:CHN:CC_2H_5}$ $C_6H_8N_2$ M_r 108.14 [13925-00-3]			
04780	2-Ethylpyridine purum >99% (GC); B.P. 147-149°; d_4^{20} 0.931; n_D^{20} 1.498	1 lt ≈ 0.93 kg	100 ml 13. —	500 ml 55. —
	3/3; 39° $N:C(C_2H_5)CH:CHCH:CH$ C_7H_9N M_r 107.60 [100-71-0]			
04790	3-Ethylpyridine purum >98% (GC); B.P. 163-166°; d_4^{20} 0.940; n_D^{20} 1.502	1 lt ≈ 0.94 kg	25 ml 18. —	100 ml 65. —
	3/3 $N:CHC(C_2H_5):CHCH:CH$ C_7H_9N M_r 107.16 [536-78-7]			
04800	4-Ethylpyridine purum >99% (GC); B.P. 164-166°; d_4^{20} 0.942; n_D^{20} 1.502	1 lt ≈ 0.94 kg	25 ml 8. —	100 ml 22. —
	3/3; 50° $N:CHCH:C(C_2H_5)CH:CH$ C_7H_9N M_r 107.16 [536-75-4]			
	Ethyl pyruvate			
	3/3; 46° $CH_3COCOCOC_2H_5$ $C_5H_8O_3$ M_r 116.12 [617-35-6]			
15960	purum >97% (GC); B.P. 148-150°; d_4^{20} 1.04; n_D^{20} 1.405;	1 lt ≈ 1.04 kg	100 ml 22. —	500 ml 90. —
	store in refrigerator			
03335	1-Ethylquinolinium iodide pract. ~90% (I); M.P. 150-158°		50 g 35. —	
	$\underline{C_8H_4CH:CHCH:N(I)C_2H_5}$ $C_{11}H_{12}IN$ M_r 285.13 [634-35-5]			
04840	Ethyl Red Standard Fluka Indicator pH 4.4-6.2		25 g 17. —	100 g 60. —
	4-(C_2H_5) ₂ NC ₆ H ₄ N:NC ₆ H ₄ -2-COOH $C_{17}H_{19}N_3O_2$ M_r 297.36 [634-21-9]			
	Ethyl rhodanide see 04880 Ethyl thiocyanate			
	Ethyl salicylate			
	$HOC_6H_4COOC_2H_5$ $C_9H_{10}O_3$ M_r 166.18 [118-61-6]			
84220	purum >99% (GC); M.P. 2-5°; B.P. 100-103°; d_4^{20} 1.129; n_D^{20} 1.523	1 lt ≈ 1.13 kg	250 ml 14. —	1 lt 50. —
	Ethyl stearate			
	$CH_3(CH_2)_{16}COOC_2H_5$ $C_{20}H_{40}O_2$ M_r 312.54 [111-61-5]			
85690	puriss. >99% (GC); M.P. 34-35°		10 g 18. —	50 g 75. —
85692	techn. ~90-95% (GC); M.P. 32-34°		100 g 20. —	500 g 85. —
	Ethyl sulfide (Diethyl sulfide)			
	3/1a; -10° $S(C_2H_5)_2$ $C_4H_{10}S$ M_r 90.19 [352-93-2]			
32530	purum >98% (GC); B.P. 92° (Lit.); d_4^{20} 0.835; n_D^{20} 1.442	1 lt ≈ 0.84 kg	100 ml 8. —	500 ml 26. —
	Ethyl thiophene-3-acetate			
	>98° $\underline{CH:CHSCH:CH_2COOC_2H_5}$ $C_9H_{10}O_2S$ M_r 170.23 [37784-63-7]			
89018	pract. >97% (GC); B.P. 230-233°; d_4^{20} 1.139; n_D^{20} 1.509	1 lt ≈ 1.14 kg	5 ml 24. —	25 ml 100. —
	Ethyl thiocyanate (Ethyl rhodanide)			
	6.1/21d; 35° C_2H_5SCN C_2H_5NS M_r 87.14 [542-90-5]			
04880	purum B.P. 144-146°; d_4^{20} 1.01; n_D^{20} 1.465	1 lt ≈ 1.01 kg	25 ml 17. —	100 ml 60. —
	Ethyl thioglycolate (Ethyl mercaptoacetate)			
	3/4; 57° $HSCH_2COOC_2H_5$ $C_4H_8O_2S$ M_r 120.17 [623-51-8]			
88660	purum >98% (GC); B.P. 155-158°; d_4^{20} 1.096; n_D^{20} 1.457; ~2% H ₂ O	1 lt ≈ 1.10 kg	100 ml 10. —	500 ml 40. —
04900	2-Ethylthiophene purum ~97% (GC); B.P. 135-140°; d_4^{20} 0.993; n_D^{20} 1.513	1 lt ≈ 0.99 kg	25 ml 23. —	100 ml 85. —
	6.1/81a $\underline{SCH:CHCH:CC_2H_5}$ C_6H_6S M_r 112.20 [872-55-9]			
	Ethyl thiophene-2-carboxylate			
	3/4; 78° $\underline{SCH:CHCH:CCOOC_2H_5}$ $C_7H_8O_2S$ M_r 156.20 [2810-04-0]			
89001	pract. ~95% (GC); B.P. 218° (Lit.); d_4^{20} 1.163; n_D^{20} 1.526	1 lt ≈ 1.16 kg	10 ml 13. —	50 ml 55. —
			10 g 14. —	50 g 60. —
04890	N-Ethylthiourea purum >98% (N); M.P. 108-110°			
	$C_2H_5NHCSNH_2$ $C_2H_6N_2S$ M_r 104.17 [625-53-6]			

			sFr.	sFr.
89905	Ethyl o-toluate purum >98% (GC); B.P. 225-227°; d_4^{20} 1.034; n_D^{20} 1.509 $\text{CH}_3\text{C}_6\text{H}_4\text{COOC}_2\text{H}_5$ $\text{C}_{10}\text{H}_{12}\text{O}_2$ M_r 164.21 [87-24-1]	1 lt $\approx$ 1.03 kg	100 ml 25. —	500 ml 105. —
89907	Ethyl m-toluate purum >99% (GC); B.P. $_{20}$ 110° (Lit.); d_4^{20} 1.028; n_D^{20} 1.506 3/3; 23° $\text{CH}_3\text{C}_6\text{H}_4\text{COOC}_2\text{H}_5$ $\text{C}_{10}\text{H}_{12}\text{O}_2$ M_r 164.21 [120-33-2]	1 lt $\approx$ 1.03 kg	50 ml 16. —	250 ml 67. —
89909	Ethyl p-toluate purum >99% (GC); B.P. 236-238°; d_4^{20} 1.025; n_D^{20} 1.508 $\text{CH}_3\text{C}_6\text{H}_4\text{COOC}_2\text{H}_5$ $\text{C}_{10}\text{H}_{12}\text{O}_2$ M_r 164.21 [94-08-6]	1 lt $\approx$ 1.03 kg	50 ml 16. —	250 ml 67. —
	2-Ethyltoluene 3/3 $\text{CH}_3\text{C}_6\text{H}_4\text{C}_2\text{H}_5$ C_9H_{12} M_r 120.20 [611-14-3]			
04941	purum $\sim$ 99% (GC); B.P. 164-166°; d_4^{20} 0.880; n_D^{20} 1.505; $\sim$ 0.5% 3-Ethyltoluene	1 lt $\approx$ 0.88 kg	5 ml 18. —	25 ml 75. —
	3-Ethyltoluene 3/3 $\text{CH}_3\text{C}_6\text{H}_4\text{C}_2\text{H}_5$ C_9H_{12} M_r 120.20 [620-14-4]			
04942	purum $\sim$ 99% (GC); B.P. 159-161°; d_4^{20} 0.864; n_D^{20} 1.498; $\sim$ 1% 2-Ethyltoluene	1 lt $\approx$ 0.86 kg	5 ml 18. —	25 ml 75. —
	4-Ethyltoluene 3/3 $\text{CH}_3\text{C}_6\text{H}_4\text{C}_2\text{H}_5$ C_9H_{12} M_r 120.20 [622-96-8]			
04943	purum $\sim$ 97% (GC); B.P. 161-163°; d_4^{20} 0.861; n_D^{20} 1.495; $\sim$ 3% 2-Ethyltoluene	1 lt $\approx$ 0.86 kg	10 ml 16. —	50 ml 67. —
	Ethyl 4-toluenesulfonate $\text{CH}_3\text{C}_6\text{H}_4\text{SO}_2\text{OC}_2\text{H}_5$ $\text{C}_9\text{H}_{12}\text{O}_3\text{S}$ M_r 200.26 [80-40-0]			
89770	purum >99% (GC); M.P. 29-31°; B.P. $_{15}$ 173° (Lit.); store in refrigerator		50 g 10. —	250 g 40. —
	N-Ethyl-m-toluidine (3-Ethylaminotoluene) 6.1/21o $\text{C}_2\text{H}_5\text{NHC}_6\text{H}_4\text{CH}_3$ $\text{C}_9\text{H}_{13}\text{N}$ M_r 135.21 [102-27-2]			
04930	purum $\sim$ 98% (GC); B.P. 221-222° (Lit.); d_4^{20} 0.944; n_D^{20} 1.546	1 lt $\approx$ 0.94 kg	100 ml 11. —	500 ml 46. —
90040	Ethyl o-tolylacetate purum >98% (GC); d_4^{20} 1.023; n_D^{20} 1.502 $\text{CH}_3\text{C}_6\text{H}_4\text{CH}_2\text{COOC}_2\text{H}_5$ $\text{C}_{11}\text{H}_{14}\text{O}_2$ M_r 178.23 [40291-39-2]	1 lt $\approx$ 1.02 kg	10 ml 28. —	50 ml 120. —
90060	Ethyl p-tolylacetate purum >97% (GC); B.P. 240° (Lit.); d_4^{20} 1.011; n_D^{20} 1.496 $\text{CH}_3\text{C}_6\text{H}_4\text{CH}_2\text{COOC}_2\text{H}_5$ $\text{C}_{11}\text{H}_{14}\text{O}_2$ M_r 178.23 [14062-19-2]	1 lt $\approx$ 1.01 kg	10 ml 28. —	50 ml 120. —
	Ethyl trichloroacetate 3/4; 73° $\text{Cl}_3\text{CCOOC}_2\text{H}_5$ $\text{C}_4\text{H}_5\text{Cl}_3\text{O}_2$ M_r 191.44 [515-84-4]			
91250	purum >98% (GC); B.P. $_{10}$ 53-55°; d_4^{20} 1.383; n_D^{20} 1.451; <2% Trichloroacetic acid	1 lt $\approx$ 1.38 kg	100 ml 12. —	500 ml 50. —
04970	Ethyltrichlorosilane purum B.P. 98-100° 8/23b; 22° $\text{C}_2\text{H}_5\text{SiCl}_3$ $\text{C}_2\text{H}_5\text{Cl}_3\text{Si}$ M_r 163.51 [115-21-9]	1 lt $\approx$ 1.24 kg	100 ml 12. —	500 ml 50. —
04960	Ethyltriethoxysilane purum >97%; B.P. 158-160° (Lit.); d_4^{20} 0.895 3/3 $\text{C}_2\text{H}_5\text{Si}(\text{OC}_2\text{H}_5)_3$ $\text{C}_8\text{H}_{20}\text{O}_3\text{Si}$ M_r 192.33 [78-07-9]	1 lt $\approx$ 0.90 kg	100 ml 18. —	500 ml 75. —
	Ethyl trifluoroacetate 3/1a; -17° $\text{CF}_3\text{COOC}_2\text{H}_5$ $\text{C}_4\text{H}_5\text{F}_3\text{O}_2$ M_r 142.08 [383-63-1]			
91710	puriss. >99% (GC); B.P. 60-62°; d_4^{20} 1.19; n_D^{20} 1.308; store in refrigerator	1 lt $\approx$ 1.19 kg	50 ml 24. —	250 ml 100. —
	Ethyl trifluoromethanesulfonate 8/11 $\text{CF}_3\text{SO}_2\text{OC}_2\text{H}_5$ $\text{C}_3\text{H}_5\text{F}_3\text{O}_3\text{S}$ M_r 178.13 [425-75-2]			
91734	purum >99% (GC); B.P. 118-120°; d_4^{20} 1.386; n_D^{20} 1.336	1 lt $\approx$ 1.39 kg	5 ml 37. —	25 ml 155. —
	S-Ethyl trifluorothioacetate 3/1a; 20° $\text{CF}_3\text{COSC}_2\text{H}_5$ $\text{C}_4\text{H}_5\text{F}_3\text{OS}$ M_r 158.14 [383-64-2]			
91876	purum >98% (GC); B.P. 91°; d_4^{20} 1.250; n_D^{20} 1.374; For the trifluoroacetylation under mild conditions (retention of configuration in peptides): E. E. Schallenberg and M. Calvin, J. Am. Chem. Soc. 77, 2779 (1955); F. R. Goldberger and C. B. Anfinsen, Biochemistry 1, 401 (1962); R. F. Goldberger, Methods in Enzymology, Vol. XI, 317 (1967)	1 lt $\approx$ 1.25 kg	5 ml 20. —	25 ml 85. —
	Ethyl trimethylsilylacetate 3/3; 48° $(\text{CH}_3)_3\text{SiCH}_2\text{COOC}_2\text{H}_5$ $\text{C}_7\text{H}_{16}\text{O}_2\text{Si}$ M_r 160.29 [4071-88-9]			
92756	purum >97% (GC); B.P. $_{40}$ 76-77°; d_4^{20} 0.881; n_D^{20} 1.415; Reagent for the synthesis of α,β -unsaturated esters: H. Taguchi et al., Bull. Chem. Soc. Jap. 47, 2529 (1974); for silylations under nearly neutral conditions: E. Nakamura et al., Tetrahedron Lett. 2079 (1978)	1 lt $\approx$ 0.89 kg	5 ml 10. —	25 ml 40. —

			sFr.	sFr.
04997	Ethyltriphenylphosphonium bromide purum >97%(Br); M.P. 202-205° (C ₆ H ₅) ₃ P(Br)C ₂ H ₅ C ₂₀ H ₂₀ BrP M _r 371.26 [1530-32-1]		25 g 10. —	100 g 35. —
	N-Ethylurea C ₂ H ₅ NHCONH ₂ C ₃ H ₈ N ₂ O M _r 88.11 [625-52-5]			
03970	purum >98%(N); M.P. 94-96°; 1 g clearly and colourless soluble in 10 ml water		100 g 22. —	500 g 90. —
	N-Ethylurethane see 03320 Ethyl N-ethylcarbamate			
	Ethyl urethane see 94300 Urethane			
94540	Ethyl n-valerate purum >98%(GC); B.P. 142-145°; d ₄ ²⁰ 0.874; n _D ²⁰ 1.400 3/3; 34° CH ₃ (CH ₂) ₃ COOC ₂ H ₅ C ₇ H ₁₄ O ₂ M _r 130.19 [539-82-2]	1 lt ≈ 0.87 kg	250 ml 23. —	1 lt 85. —
	"Ethylvanillin" see 02710 3-Ethoxy-4-hydroxybenzaldehyde			
	"o-Ethylvanillin" see 02700 3-Ethoxy-2-hydroxybenzaldehyde			
	Ethyl vinyl carbinol see 77010 1-Penten-3-ol			
	Ethyl vinyl ether (Ethoxyethylene) 3/1a; -18° C ₂ H ₅ OCH:CH ₂ C ₄ H ₈ O M _r 72.11 [109-92-2]			
05010	purum stab. with 0.1% Potassium hydroxide; >99%(GC); B.P. 34-36°; d ₄ ²⁰ 0.753; n _D ²⁰ 1.376	1 lt ≈ 0.75 kg	250 ml 7. —	1 lt 20. —
	Ethyl vinyl ketone see 05020 1-Penten-3-one			
	Ethylxanthic acid Potassium salt see 60040 Potassium ethylxanthogenate			
	Ethynylbenzene see 77840 Phenylacetylene			
02460	1-Ethynylcyclohexanol purum ~97%(GC); B.P. ₂₀ 83-86°; M.P. 30-32° CH ₂ (CH ₂) ₄ C(OH)C≡CH C ₈ H ₁₂ O M _r 124.18 [78-27-3]		250 g 12. —	1 kg 40. —
	1-Ethynylcyclohexylamine 3/3 CH ₂ (CH ₂) ₄ C(NH ₂)C≡CH C ₈ H ₁₃ N M _r 123.20 [30389-18-5]			
02462	purum >98%(GC); M.P. 6-8°; B.P. 166-168°; d ₄ ²⁰ 0.918; n _D ²⁰ 1.482	1 lt ≈ 0.92 kg	50 ml 21. —	250 ml 90. —
02470	Ethynyltrimethylsilane purum 3/1a; -26° CH ₃ CSi(CH ₃) ₃ C ₅ H ₁₀ Si M _r 98.22 [1066-54-2]		5 g 55. —	
	Eucalyptol (Cineol; 1,8-Epoxy-p-methane) 3/3; 49° C ₁₀ H ₁₈ O M _r 154.25 [470-82-6]			
46090	purum Ph. Helv.; ~99%(GC); B.P. 175-179°; d ₄ ²⁰ 0.924; n _D ²⁰ 1.458	1 lt ≈ 0.92 kg	100 ml 14. —	500 ml 60. —
	EuFOD see 46143 Europium(III)-tris(1,1,1,2,2,3,3-heptafluoro-7,7-dimethyl-4,6-octadionate)			
	Eugenol (4-Allyl-2-methoxyphenol) CH ₃ OC ₆ H ₃ (OH)CH ₂ CH:CH ₂ C ₁₀ H ₁₂ O ₂ M _r 164.21 [97-53-0]			
46100	purum Ph. Helv.; >99%(GC); B.P. 253° (Lit.); d ₄ ²⁰ 1.07; n _D ²⁰ 1.541	1 lt ≈ 1.07 kg	100 ml 18. —	500 ml 75. —
	Eugenol methyl ether (4-Allyl-1,2-dimethoxybenzene) (CH ₃ O) ₂ C ₆ H ₃ CH ₂ CH:CH ₂ C ₁₁ H ₁₄ O ₂ M _r 178.23 [93-15-2]			
46110	purum ~98%(GC); B.P. ₁₀ 128-130°; d ₄ ²⁰ 1.036; n _D ²⁰ 1.534	1 lt ≈ 1.04 kg	100 ml 25. —	500 ml 105. —
46120	Europium puriss. 99.9% + 0.1% Sm + Gd + Nd Eu A _r 151.96 [77440-53-1]		250 mg 31. —	1 g 115. —
46130	Europium chloride puriss. from Europium oxide >99.9%; containing ~30% water EuCl ₃ Cl ₃ Eu M _r 258.32 [10025-76-0]		1 g 18. —	5 g 75. —
46140	Europium oxide puriss. >99.99%; Nd ₂ O ₃ , Pr ₆ O ₁₁ and Sm ₂ O ₃ <0.01% Eu ₂ O ₃ M _r 351.92 [1308-96-9]		1 g 22. —	5 g 90. —
	Europium-tris(dipivaloylmethane) see 46145 Europium(III)-tris(2,2,6,6-tetramethyl-3,5-heptanedionate)			
	Europium(III)-tris(1,1,1,2,2,3,3-heptafluoro-7,7-dimethyl-4,6-octanedionate), EuFOD C ₃₀ H ₃₀ EuF ₂₁ O ₆ M _r 1037.50 [17631-68-4]			
46143	purum		250 mg 12. —	1 g 30. —
	Europium(III)-tris(2,2,6,6-tetramethyl-3,5-heptanedionate) [Europium-tris-(dipivaloylmethane); Euro-shift] C ₃₃ H ₆₇ EuO ₆ M _r 701.78 [15522-71-1]			
46145	purum; M.P. 189-190°; H ₂ O <0.5%		250 mg 12. —	1 g 30. —

			sFr.	sFr.
	Euro-shift see 46145 Europium(III)-tris(2,2,6,6-tetramethyl-3,5-heptanedionate)			
	Eu(tfc)₃ see 93387 Tris(3-trifluoroacetyl-d-camphorato) europium(III)			
	Evans Blue Fluka (formerly Geigy Blue 536 med.)			
	6.1/21	[1-NH ₂ -2,4-(NaO ₃ S) ₂ -8-HOC ₁₀ H ₃ -7-N:NC ₆ H ₃ -2-CH ₃ -4-] ₂ C ₃₄ H ₂₄ N ₆ Na ₄ O ₁₄ S ₄ M _r 960.82 [314-13-6]		
46160		Standard Fluka for Microscopy (Med., Vit.)	10 g 12. —	50 g 50. —
	EWN solvent			
46180	8/32	Standard Fluka; d ₄ ²⁰ 1.345; for the determination of the viscosity value of cellulose; Lit.: Textil-Rundschau 79, 27-32 (1964); limited shelf life	1 lt ≈ 1.34 kg	250 ml 21. —
				1 lt 75. —
	Factors see			
	"Hormones(Factors)-other than Steroids" green section			
	FAD-Na₂ see 46360 Flavin adenine dinucleotide Disodium salt			
	Farnesol (3,7,11-Trimethyl-2,6,10-dodecatrien-1-ol) (CH ₃) ₂ C:CHCH ₂ CH ₂ C(CH ₃):CHCH ₂ CH ₂ C(CH ₃):CHCH ₂ OH C ₁₅ H ₂₆ O M _r 222.37 [4602-84-0]			
46191		pract. Mixture of stereoisomers; B.P. ₁₀ 160° (Lit.); d ₄ ²⁰ 0.886; n _D ²⁰ 1.490	1 lt ≈ 0.89 kg	10 ml 11. —
				50 ml 44. —
	Farnesyl acetate 3/4; 95° (CH ₃) ₂ C:CHCH ₂ CH ₂ C(CH ₃):CHCH ₂ CH ₂ C(CH ₃):CHCH ₂ OCOCH ₃ C ₁₇ H ₂₈ O ₂ M _r 264.41 [29548-30-9]			
45895		pract. Mixture of stereoisomers; d ₄ ²⁰ 0.920; n _D ²⁰ 1.479	1 lt ≈ 0.92 kg	10 ml 15. —
				50 ml 63. —
46197		Farnesyl methyl ether purum C ₁₆ H ₂₈ O M _r 236.40 [15130-76-4]	100 mg 200. —	
	Fast Blue B Salt [C.I. Nr. 37235; Sch. Nr. 490] (Diazo Fast Blue B salt; o-Di-anisidine bisdiazotated Zinc double salt) N:N(CI)-4-C ₆ H ₃ -3-(OCH ₃)C ₆ H ₃ -3-OCH ₃ -4-N:N(CI).ZnCl ₂ C ₁₄ H ₁₂ Cl ₂ N ₄ O ₂ .ZnCl ₂ M _r 339.18 + 136.28 [20282-70-6]			
44660		Standard Fluka for Microscopy (Hist.); Z. anal. Chem. 267, 165 (1972): for Thin Layer chromatographic detection of Aflatoxins; store in refrigerator	25 g 7. —	100 g 13. —
	Fast Blue BB Salt [C.I. Nr. 37175] (4-Amino-2,5-diethoxy benzanilide diazotated Zinc double salt) [C ₆ H ₅ CONHC ₆ H ₂ -2,5-(OC ₂ H ₅) ₂ -4-N:N(CI)] ₂ .ZnCl ₂ [C ₁₇ H ₁₈ ClN ₃ O ₃] ₂ .ZnCl ₂ M _r 695.60 + 136.28 [15518-68-0]			
44670		Standard Fluka for Microscopy (Hist.); store in refrigerator	10 g 7. —	50 g 21. —
				250 g 55. —
	Fast Garnet GBC Salt [C.I. Nr. 37210; Sch. Nr. 73] (4-Amino-2',3-dimethylazobenzene diazotated) 2-CH ₃ C ₆ H ₄ N:NC ₆ H ₃ -3-CH ₃ -4-N:N ⁺ HSO ₄ ⁻ C ₁₄ H ₁₄ N ₄ O ₄ S M _r 237.29 + 97.07 [101-89-3]			
44710		Standard Fluka for Microscopy (Hist.); store in refrigerator	10 g 8. —	50 g 29. —
44715		Fast Green FCF [C.I. Nr. 42053] Standard Fluka C ₃₇ H ₃₄ N ₂ Na ₂ O ₁₀ S ₃ M _r 808.86 [2353-45-9]	10 g 16. —	50 g 67. —
	Fast Red B Salt [C.I. Nr. 37125] (1-Amino-2-methoxy-4-nitrobenzene diazotated) 4-NO ₂ -2-CH ₃ OC ₆ H ₃ N:N ⁺ .HO ₃ S-1-C ₁₀ H ₆ -5-SO ₃ ⁻ C ₇ H ₆ N ₃ O ₃ +C ₁₀ H ₇ O ₆ S ₂ M _r 180.14 + 287.29 [27761-26-8]			
44720		Standard Fluka Microreagent for polyvalent phenols; store in refrigerator	10 g 7. —	50 g 12. —
	Fast Red 3 GL Salt [C.I. Nr. 37040; Sch. Nr. 69] (4-Chloro-2-nitro aniline diazotated Zinc double salt) [4-Cl-2-NO ₂ C ₆ H ₃ N:N(CI)] ₂ .ZnCl ₂ (C ₆ H ₃ Cl ₂ N ₃ O ₂) ₂ .ZnCl ₂ M _r 440.06 + 136.28 [22092-07-5]			
44730		Standard Fluka for Microscopy (Hist.); store in refrigerator	25 g 8. —	100 g 25. —
	Fast Red RC Salt [C.I. Nr. 37120; Sch. Nr. 153] (2-Amino-4-chloroanisole diazotated Zinc double salt) [4-ClC ₆ H ₃ (OCH ₃)-2-N:N(CI)] ₂ .ZnCl ₂ (C ₇ H ₆ Cl ₂ N ₂ O) ₂ .ZnCl ₂ M _r 410.08 + 136.28 [4274-03-7]			
44750		Standard Fluka for Microscopy (Hist.); store in refrigerator	25 g 7. —	100 g 18. —
	Fast Violet B Salt [C.I. Nr. 37165] (4-Amino-5-methoxy-2-methylbenzanilide diazotated Zinc double salt) [C ₆ H ₅ CONHC ₆ H ₂ -2-(CH ₃)-5-(OCH ₃)-4-N:N(CI)] ₂ .ZnCl ₂ (C ₁₆ H ₁₄ ClN ₃ O ₂) ₂ .ZnCl ₂ M _r 607.50 + 136.28 [27761-27-9]			
44780		Standard Fluka for Microscopy (Hist.)	25 g 7. —	100 g 15. —

sFr.

sFr.

46300	Fat Black [similar to C.I. Nr. 26150] (Ceres Black BN) Standard Fluka for Microscopy (Hist.)	50 g 18. —
-------	--	------------

Fat Ponceau see 84650 Scarlet R**Fat Red 7 B** see 46290 Fat Red Bluish

46290	Fat Red Bluish [C.I. Nr. 26050] (Fat Red 7 B; Sudan Red 7 B) $C_6H_5N:NC_6H_4-4-N:N-1-C_{10}H_6-2-NHC_2H_5$ $C_{24}H_{21}N_5$ M_r 379.47 [6368-72-5] Standard Fluka for Microscopy (Bot., Hist.)	50 g 16. —
-------	---	------------

Fatty Acids and Methyl Ester see green section**FDNP** see 42080 2,4-Dinitrofluorobenzene**FDP- Na_3H** see 47810 D-Fructose-1,6-diphosphate Trisodium salt

46199	(+)-Fenchol {(1S)-1,3,3-Trimethylbicyclo[2.2.1]heptan-2-ol; Fenchyl alcohol} $C_{10}H_{18}O$ M_r 154.25 [1632-73-1] pract. ~95% (GC); M.P. 40-43°; B.P. 201-202° (Lit.); $[\alpha]_{540}^{20} + 11.5 \pm 0.5^\circ$; $[\alpha]_D^{20} + 10.0 \pm 0.5^\circ$ (c = 10 in Ethanol); α -Form + some β -Form	1 lt ≈ 0.96 kg	250 ml 26. —	
46200	(-)-Fenchone {(1R)-1,3,3-Trimethylbicyclo[2.2.1]heptan-2-one; (-)-1,3,3-Trimethyl-2-norbornanone} 3/4; 68° $C_{10}H_{16}O$ M_r 152.24 [4695-62-9] purum ~97% (GC); B.P. 191-195°; d_4^{20} 0.943; n_D^{20} 1.462; $[\alpha]_{540}^{20} - 63 \pm 2^\circ$; $[\alpha]_D^{20} - 52 \pm 2^\circ$	1 lt ≈ 0.94 kg	100 ml 18. —	500 ml 75. —
46210	(+)-Fenchone {(1S)-1,3,3-Trimethylbicyclo[2.2.1]heptan-2-one; (+)-1,3,3-Trimethyl-2-norbornanone} 3/4; 66° $C_{10}H_{16}O$ M_r 152.24 [7787-20-4] purum >98% (GC); M.P. 5-7°; B.P. 136-138°; d_4^{20} 0.945; n_D^{20} 1.463; $[\alpha]_{540}^{20} + 75 \pm 3^\circ$	1 lt ≈ 0.94 kg	100 ml 38. —	500 ml 160. —
46220	techn. >95% (GC); d_4^{20} 0.945; n_D^{20} 1.462	1 lt ≈ 0.94 kg	500 ml 25. —	
44910	Ferric acetate basic purum p.a. [10450-55-2] Fluka-Guarantee: Assay (Fe_2O_3) 44-48% Sulfate (SO_4) <0.005% Copper (Cu) <0.005% Lead (Pb) <0.005% Zinc (Zn) <0.005%		500 g 20. —	
44920	Ferric acetylacetonate purum >98% (UV); M.P. 181-182° dec. $Fe(C_5H_7O_2)_3$ $C_{15}H_{21}FeO_6$ M_r 353.18 [14024-18-1]		100 g 18. —	
44943	Ferric chloride purum p.a. anhydrous; very hygroscopic 8/12 $FeCl_3$ Cl_3Fe M_r 162.21 [7705-08-0] Fluka-Guarantee: Assay >98.0 % Sulfate (SO_4) <0.005% Copper (Cu) <0.05 % Lead (Pb) <0.05% Zinc (Zn) <0.05% Calcium (Ca) <0.01%		250 g 7. —	1 kg 11. —
44944	Ferric chloride cryst. 8/12 $FeCl_3 \cdot 6H_2O$ $Cl_3Fe \cdot 6H_2O$ M_r 270.30 [10025-77-1] puriss. p.a. Fluka-Guarantee: Assay (RT) >99.0 % Insolubles in water <0.005% Chlorine (Cl) <0.001% Sulfate (SO_4) <0.005% Phosphate (PO_4) <0.005% Total Nitrogen (N) <0.001% Iron salts (Fe^{2+}) <0.005% Lead (Pb) <0.002 % Copper (Cu) <0.004 % Zinc (Zn) <0.002 % Arsenic (As) <0.0005% With NH_3 not precipitable parts (as SO_4) <0.01 %		250 g 8. —	1 kg 25. —
44945	pract. >95% (RT); very hygroscopic		1 kg 9. —	5 kg 34. —
44941	Ferric citrate purum p.a. $C_6H_5FeO_7 \cdot H_2O$ M_r 262.97 [2338-05-8] Fluka-Guarantee: Assay >98.0 % Chloride (Cl) <0.005% Copper (Cu) <0.005% Lead (Pb) <0.005% Zinc (Zn) <0.01 %		250 g 8. —	1 kg 22. —



						sFr.	sFr.
Ferric nitrate							
44949	5.1/7	Fe(NO ₃) ₃ ·9H ₂ O	FeN ₃ O ₉ ·9H ₂ O	M _r 404.00	[10421-48-4]	250 g 7.—	1 kg 20.—
		puriss. p.a.					
		Fluka-Guarantee:					
		Assay	>99.0 %	Zinc (Zn)	<0.001%		
		Free Acid (as HNO ₃)	<0.3 %	Calcium (Ca)	<0.005%		
		Chloride (Cl)	<0.0005%	Sodium (Na)	<0.005%		
		Sulfate (SO ₄)	<0.005 %	Potassium (K)	<0.005%		
		Copper (Cu)	<0.005 %	Manganese (Mn)	<0.005%		
		Lead (Pb)	<0.001 %	Magnesium (Mg)	<0.002%		
44952		purum p.a.				250 g 7.—	1 kg 16.—
		Fluka-Guarantee:					
		Assay	>98.0 %	Lead (Pb)	<0.005%		
		Chloride (Cl)	<0.005%	Zinc (Zn)	<0.005%		
		Sulfate (SO ₄)	<0.005%	Calcium (Ca)	<0.01 %		
		Copper (Cu)	<0.005%				
44955		Ferric oxide red purum p.a.				250 g 8.—	1 kg 13.—
		Fe ₂ O ₃	M _r 159.68	[1309-37-1]			
		Fluka-Guarantee:					
		Assay	>98.0%	Lead (Pb)	<0.05%		
		Chloride (Cl)	<0.01%	Zinc (Zn)	<0.05%		
		Sulfate (SO ₄)	<0.01%	Calcium (Ca)	<0.05%		
		Copper (Cu)	<0.1 %				
44960		Ferric perchlorate pract.				50 g 20.—	250 g 85.—
	5.1/4b	Fe(ClO ₄) ₃ ·9H ₂ O	Cl ₃ FeO ₁₂ ·9H ₂ O	M _r 516.34	[13537-24-1]		
44963		Ferric phosphate pract.				500 g 15.—	
		FePO ₄ ·4H ₂ O	FeO ₄ P·4H ₂ O	M _r 222.88	[14940-41-1]		
44990		Ferric sulfate purum p.a.				250 g 7.—	1 kg 13.—
		Fe ₂ (SO ₄) ₃ ·5H ₂ O	Fe ₂ O ₁₂ S ₃ ·5H ₂ O	M _r 489.96	[10028-22-5]		
		Fluka-Guarantee:					
		Assay (Fe)	21.0-23.0%	Lead (Pb)	<0.005%		
		Chloride (Cl)	<0.005%	Zinc (Zn)	<0.005%		
		Copper (Cu)	<0.005%	Calcium (Ca)	<0.01 %		
Ferritin Suspension, 100 mg Ferritin/ml							
46230		2 × cryst. cadmium free; Fe ~20%; store in refrigerator				250 mg 100.—	1 g 360.—
Ferritin Suspension, 100 mg Ferritin/ml							
46240		horse spleen 2 × cryst., Fe >20%; Cd <3%; store in refrigerator				1 g 300.—	
46260		Ferrocene purum >98% (Fe); M.P. 172-174° (Dicyclopentadienyl-Iron)				50 g 15.—	250 g 63.—
		CH:CHCH:CHCHFeCHCH:CHCH:CH C ₁₀ H ₁₀ Fe	M _r 186.04	[102-54-5]			
46261		Ferrocene carboxaldehyde purum M.P. 118-120°				5 g 18.—	25 g 75.—
		CH:CHCH:CHCHFeCHCH:CHCH:CHO C ₁₁ H ₁₀ FeO	M _r 214.05	[12093-10-6]			
46275		Ferrocypen purum p.a. (Dicyanobis-1,10-phenanthroline Ferrous complex)				1 g 13.—	5 g 55.—
		C ₂₆ H ₁₆ FeN ₆ ·2H ₂ O	M _r 504.33	[14768-11-7]			
Ferroin-Solution (o-Phenanthroline Ferric sulfate complex)							
		[Fe(C ₁₂ H ₈ N ₂) ₃]SO ₄	C ₃₆ H ₂₄ FeN ₆ O ₄ S	M _r 692.54	[14634-91-4]		
46270		puriss. p.a. 0.025 molar; Redox-Indicator; d ₄ ²⁰ 1.006				1 lt ≈ 1.01 kg	50 ml 7.— 250 ml 24.—
Ferron see 55370 8-Hydroxy-7-iodoquinoline-5-sulfonic acid							
44939		Ferrous chloride puriss. p.a.				250 g 11.—	1 kg 38.—
	8/12	FeCl ₂ ·4H ₂ O	Cl ₂ Fe·4H ₂ O	M _r 198.81	[7758-94-3]		
		Fluka-Guarantee:					
		Assay	>99.0 %	Zinc (Zn)	<0.003 %		
		Sulfate (SO ₄)	<0.01 %	Manganese (Mn)	<0.005 %		
		Total nitrogen (N)	<0.001%	Calcium (Ca)	<0.005 %		
		Lead (Pb)	<0.001%	Arsenic (As)	<0.0005%		
		Copper (Cu)	<0.002%	With NH ₃ not precipitable			
		Iron(III) (Fe ⁺⁺⁺)	<0.2 %	(as SO ₄)	<0.05 %		
44948		Ferrous gluconate purum ~97% (RT)				250 g 8.—	1 kg 25.—
		(C ₆ H ₁₁ O ₇) ₂ Fe·3H ₂ O	C ₁₂ H ₂₂ FeO ₁₄ ·3H ₂ O	M _r 500.20	[299-29-6]		



				sFr.	sFr.
44953	Ferrous lactate powder purum p.a. DAB [CH ₃ CH(OH)COO] ₂ Fe·3H ₂ O C ₆ H ₁₀ FeO ₆ ·3H ₂ O M _r 287.97 [5905-52-2] Fluka-Guarantee: Assay >98.0 % Zinc (Zn) <0.005% Copper (Cu) <0.005% Calcium (Ca) <0.005% Lead (Pb) <0.005%			500 g 24. —	
44951	Ferrous oxalate purum p.a. Fe(C ₂ O ₄)·2H ₂ O C ₂ FeO ₄ ·2H ₂ O M _r 179.90 [516-03-0] Fluka-Guarantee: Assay >98.0 % Lead (Pb) <0.005% Chloride (Cl) <0.005% Zinc (Zn) <0.005% Copper (Cu) <0.005% Calcium (Ca) <0.01 %			250 g 7. — 1 kg 15. —	
44970	Ferrous sulfate FeSO ₄ ·7H ₂ O FeO ₄ S·7H ₂ O M _r 278.02 [7720-78-7] puriss. p.a. Fluka-Guarantee: Assay >99.0 % Copper (Cu) <0.001 % Insolubles in water <0.005 % Zinc (Zn) <0.005 % Iron(III) salts <0.015 % Manganese (Mn) <0.05 % Free Acid (as H ₂ SO ₄) <0.05 % Alkali and Alkali earth Chloride (Cl) <0.0005% metals (as Sulfate) <0.04 % Phosphate (PO ₄) <0.001 % Arsenic (As) <0.0002% Total nitrogen (N) <0.001 %			250 g 7. — 1 kg 14. —	
44980	purum p.a.; contains <0.5% Iron(III)-sulfate Fluka-Guarantee: Assay 21.0-23.0% Lead (Pb) <0.005% Chloride (Cl) <0.005% Calcium (Ca) <0.005% Copper (Cu) <0.005%			1 kg 7. — 5 kg 20. —	
44995	Ferrous sulfide pract. in sticks FeS M _r 87.91 [1317-37-9]			1 kg 10. —	
	Ferrozine see 82950 3-(2-Pyridyl)-5,6-diphenyl-1,2,4-triazine-4',4''-disulfonic acid Disodium salt				
46280	Ferulic acid purum >98%(T); M.P. 170-172° (4-Hydroxy-3-methoxycinnamic acid) CH ₃ OC ₆ H ₃ (OH)CH:CHCOOH C ₁₀ H ₁₀ O ₄ M _r 194.19 [1135-24-6]			10 g 11. — 50 g 46. —	
46320	Fibroin from Silk purum (Silkfibroin) [9007-76-5]			25 g 40. —	
	Fischers Base see 92550 1,3,3-Trimethyl-2-methyleneindoline				
46350	Fisetin purum (3,3',4',7-Tetrahydroxyflavone) HOOC ₆ H ₃ OC[C ₆ H ₃ (OH) ₂]:C(OH)CO C ₁₅ H ₁₀ O ₆ M _r 286.24 [528-48-3]			100 mg 10. — 1 g 75. —	
	FITC see 46952 Fluorescein isothiocyanate Isomer I				
	FITC-Concanavalin A see 61761 Lectin from Canavalia Ensiformis mod. with Fluoresceinisothiocyanate				
	Flavianic acid Sodium salt see 70540 Naphthol Yellow S				
46360	Flavine adenine dinucleotide Disodium salt , FAD-Na ₂ (Riboflavine 5'-adenosine- diphosphate Disodium salt) C ₂₇ H ₃₁ N ₉ Na ₂ O ₁₅ P ₂ ·2H ₂ O M _r 865.56 [146-14-5] purum ~95%(UV); FAD (M _r 785.6) ~85%; [α] _D ²⁰ -54±2°(c = 0.1 in water); store in refrigerator			100 mg 20. — 500 mg 85. —	
	Flavine mononucleotide see 83810 Riboflavine-5'-monophosphate Sodium salt				
46370	Flavone (2-Phenylchromone) C ₆ H ₄ OC(C ₆ H ₅):CHCO C ₁₅ H ₁₀ O ₂ M _r 222.25 [525-82-6] puriss. >99%(HPLC); cryst. synthetic; M.P. 96-97°			1 g 18. — 5 g 75. —	
46380	pract. ~90%(UV); M.P. 94-97°			5 g 34. — 25 g 145. —	
	Flophemesyl chloride see 76750 Pentafluorophenyl-dimethylchlorosilane				

		sFr.	sFr.
	Florisil® Adsorbent for Chromatography (Magnesium silicate) Composition: MgO 15.5±0.5%; SO ₂ 84.0±0.5%; Na ₂ SO ₄ 0.5% (max. 1%); pH 8.5; Surface area: 298 m ² /g; Specific cravity: 2.51 (Special brochure available on request)		
46381	16- 30 mesh	100 g 15.—	500 g 55.—
46384	30- 60 mesh	100 g 16.—	500 g 67.—
46385	60-100 mesh	100 g 15.—	500 g 55.—
46386	100-200 mesh	100 g 15.—	500 g 55.—
46383	200-300 mesh	100 g 16.—	500 g 67.—
	Florisil PR® (Special brochure available on request)		
46382	60-100 mesh for the pesticide residue analysis according to FDA	100 g 18.—	500 g 75.—
46387	"Florisil TLC"® for Thin Layer Chromatography ® Registered trade-mark of the Floridine Company	100 g 30.—	500 g 125.—
	Floxuridine see 46875 5-Fluoro-2'-deoxyuridine		
	Flufenamic acid see 91865 N-(3-Trifluoromethylphenyl)anthranilic acid		
	Fluoranthene (Benzo[j,k]fluorene) 6.1/81g C ₁₆ H ₁₀ M _r 202.26 [206-44-0] 46530 purum >98%(UV); M.P. 109-110°; λ _{max} 235 nm, log ε 4.70	100 g 22.—	500 g 90.—
	N-(3-Fluoranthyl)maleimide C ₂₀ H ₁₁ NO ₂ M _r 297.32 [60354-76-9] 46540 puriss. p.a.; Fluorescence marker in proteins with a middle lifetime of fluorescence (20 ns): Y. Kanaoka et al., Chem. Pharm. Bull. 24, 1417 (1976); Review: Y. Kanaoka, Angew. Chem. 89, 142 (1977)	10 mg 200.—	
	Fluorene C ₆ H ₄ CH ₂ C ₆ H ₄ C ₁₃ H ₁₀ M _r 166.22 [86-73-7] 46880 purum >97%(HPLC); M.P. 113-115°; λ _{max} 261 nm, log ε 4.28 46890 pract. ~90-95%(HPLC); M.P. 111-114°	100 g 18.— 250 g 12.—	500 g 75.— 1 kg 40.—
46900	9-Fluorenone puriss. >99%(UV); M.P. 81.5-83°; λ _{max} 257 nm, log ε 5.0 C ₆ H ₄ CO ₂ C ₆ H ₄ C ₁₃ H ₈ O M _r 180.21 [486-25-9]	100 g 20.—	500 g 75.—
	N-(2-Fluorenyl)acetamide see 00300 2-Acetamidofluorene		
	2-Fluorenylamine see 07970 2-Aminofluorene		
	9-Fluorenylmethanol C ₆ H ₄ CH(CH ₂ OH)C ₆ H ₄ C ₁₄ H ₁₂ O M _r 196.25 [24324-17-2] 46915 purum M.P. 100-101°; Phosphate protecting group in the Synthesis of Deoxyribo-oligonucleotides: N. Katagiri, C.P. Bahl, K. Hakura, J. Michniewicz and S.A. Narang, J. Chem. Soc. Chem. Commun. 803 (1973)	5 g 24.—	50 g 190.—
	9-Fluorenylmethoxycarbonyl Amino acids see FMOC-Amino acids		
	9-Fluorenylmethyl-chloroformate (9-Fluorenylmethoxycarbonyl chloride; FMOC-Cl) C ₁₅ H ₁₁ ClO ₂ M _r 258.70 [28920-43-6] 23185 purum >98%(Cl); M.P. 61-63°; For the introduction of the 9-fluorenylmethoxycarbonyl (FMOC) amino-protecting group, which is stable towards acids and catalytic hydrogenation but readily cleaved under mildly basic non-hydrolytic conditions: L.A. Carpino, G.Y. Han, J. Org. Chem. 37, 3404 (1972); C.-D. Chang, J. Meienhofer, Int. J. Peptide Protein Res. 11, 246 (1978); L.A. Carpino, J.R. Williams, J.C.S. Chem. Comm. 450 (1978); E. Atherton et al., ibid. 537, 539 (1978)	1 g 10.— 5 g 42.—	50 g 335.—
	Fluorescamine see 47614 Fluram		
46955	Fluorescein (free acid) Standard Fluka 2-HOOC ₆ H ₄ C ₆ H ₃ -3-(O)OC ₆ H ₃ -6-OH C ₂₀ H ₁₂ O ₆ M _r 332.32 [2321-07-5]	100 g 10.—	500 g 37.—
46930	Fluoresceinamine Standard Fluka ~95%(T); Ash ~2% (Aminofluorescein) 2-HOOC-4(+5)-NH ₂ C ₆ H ₃ C ₆ H ₃ -3-(O)OC ₆ H ₃ -6-OH C ₂₀ H ₁₃ NO ₆ M _r 347.33 [3326-34-9]	1 g 12.—	5 g 50.—
	Fluorescein Complexon see 21030 Calcein		

			sFr.	sFr.
	Fluorescein isothiocyanate			
	6.1/81g	2-HOOC-4-(+5)-SCNC ₆ H ₃ C:C ₆ H ₃ -3-(O)OC ₆ H ₃ -6-OH C ₂₁ H ₁₁ NO ₅ S M _r 389.39 [27022-45-3]		
46950		Standard Fluka; store in refrigerator; For fluorescent labelling of proteins (e.g. immunofluorescence): J. L. Rings, R. S. Seiwald, J. H. Burkhalter, C. M. Downs and P. G. Metcals, Am. J. Pathol. 34, 1081 (1958)	250 mg 14. —	1 g 50. —
	Fluorescein isothiocyanate isomer I (FITC)			
	6.1/81a	2-HOOC-5-SCN-C ₆ H ₃ C:C ₆ H ₃ -3-(O)OC ₆ H ₃ -6-OH C ₂₁ H ₁₁ NO ₅ S M _r 389.39 [3326-32-7]		
46952		puriss.; 1 g clearly soluble in 100 ml Acetone; store in refrigerator; For the fluorescent labelling of proteins: J. I. Reisher and H. C. Du, Anal. Biochem. 26, 178 (1968)	250 mg 14. —	1 g 50. —
	Fluorescein mercuric acetate [2',7'-Bis(acetoxymethyl)fluorescein]			
	6.1/53	C ₂₈ H ₁₈ Hg ₂ O ₉ M _r 849.58 [3570-80-7]		
46980		puriss. biochim.; "Reagent for the assay of disulfide groups by fluorescence quenching"; F. Karush et al., Anal. Biochem. 9, 100 (1964); Irreversible inhibitor of calf liver sochitol dehydrogenase, J. R. Heitz, J. Biol. Chem. 248, 5790 (1973)	5 g 24. —	25 g 100. —
	Fluorescein Sodium [C.I. Nr. 45350; Sch. Nr. 880] (Uranine)			
		2-NaOOC ₆ H ₄ C:C ₆ H ₃ -3-(O)OC ₆ H ₃ -6-ONa C ₂₀ H ₁₀ Na ₂ O ₅ M _r 376.28 [518-47-8]		
46960	p.a.		25 g 9. —	100 g 25. —
46970	pract. conc. (for source staining only)		100 g 10. —	500 g 105. — 500 g 40. —
	Fluorescein-2,7-bis-methyleneiminodiacetic acid Sodium salt see 21030 Calcein			
	Fluorescein-2',4',5',7'-terayl-tetramercuriacetate see 86552 2',4',5',7'-Tetraacetoxymethyl fluorescein			

Fluorescent Labels see green section

	Fluorexone see 21030 Calcein			
46388	Fluorine purum >98%		Cyl. with 2.5 kg 2200. — (price of gas 1200. —)	
	2/1at F ₂ M _r 38.00 [7782-41-4]			
46390	Fluoroacetamide purum >98% (N); M.P. 103-105°		25 g 24. —	100 g 90. —
	6.1/81g FCH ₂ CONH ₂ C ₂ H ₄ FNO M _r 77.06 [640-19-7]			
	Fluoroacetic acid Sodium salt see 71520 Sodium fluoroacetate			
	2-Fluoroacetophenone			
	6.1/23c FC ₆ H ₄ COCH ₃ C ₈ H ₇ FO M _r 138.14 [445-27-2]			
46430	purum >98% (GC); B.P. ₁₀ 63° (Lit.); d ₄ ²⁰ 1.137; n _D ²⁰ 1.509	1 lt ≈ 1.14 kg	5 ml 26. —	25 ml 110. —
	4-Fluoroacetophenone			
	6.1/23c FC ₆ H ₄ COCH ₃ C ₈ H ₇ FO M _r 138.14 [403-42-9]			
46450	purum >98% (GC); B.P. ₁₀ 77-78° (Lit.); d ₄ ²⁰ 1.143; n _D ²⁰ 1.509	1 lt ≈ 1.14 kg	25 ml 17. —	100 ml 60. —
	2-Fluoroaniline (1-Amino-2-fluorobenzene)			
	6.1/21 FC ₆ H ₄ NH ₂ C ₆ H ₆ FN M _r 111.12 [348-54-9]			
46470	pract. ~97% (GC); B.P. 171-173°; d ₄ ²⁰ 1.153; n _D ²⁰ 1.544	1 lt ≈ 1.15 kg	25 ml 11. —	100 ml 38. —
	3-Fluoroaniline (1-Amino-3-fluorobenzene)			
	6.1/21 FC ₆ H ₄ NH ₂ C ₆ H ₆ FN M _r 111.12 [372-19-0]			
46480	pract. >97% (GC); B.P. 186-189°; d ₄ ²⁰ 1.155; n _D ²⁰ 1.542	1 lt ≈ 1.15 kg	10 ml 9. —	50 ml 34. —
	4-Fluoroaniline (1-Amino-4-fluorobenzene)			
	6.1/21 FC ₆ H ₄ NH ₂ C ₆ H ₆ FN M _r 111.12 [371-40-4]			
46490	pract. >97% (GC); B.P. 186-190°; d ₄ ²⁰ 1.157; n _D ²⁰ 1.537	1 lt ≈ 1.16 kg	25 ml 9. —	100 ml 30. —
46500	2-Fluoroanisole purum ~97% (GC); B.P. 154-155° (Lit.); d ₄ ²⁰ 1.123	1 lt ≈ 1.12 kg	25 ml 46. —	
	3/3; 53° CH ₃ OC ₆ H ₄ F C ₇ H ₇ FO M _r 126.13 [321-28-8]			
	2-Fluorobenzaldehyde			
	6.1/12c FC ₆ H ₄ CHO C ₇ H ₆ FO M _r 124.12 [446-52-6]			
46550	purum >98% (GC); B.P. 172-174°; d ₄ ²⁰ 1.183; n _D ²⁰ 1.521	1 lt ≈ 1.18 kg	10 ml 22. —	
	3-Fluorobenzaldehyde			
	6.1/12c FC ₆ H ₄ CHO C ₇ H ₆ FO M _r 124.12 [456-48-4]			
46560	pract. >97% (GC); B.P. 169-172°; d ₄ ²⁰ 1.177; n _D ²⁰ 1.518	1 lt ≈ 1.18 kg	10 ml 25. —	

					sFr.	sFr.
4-Fluorobenzaldehyde						
6.1/12c	FC ₆ H ₄ CHO	C ₇ H ₅ FO	M _r 124.12	[459-57-4]		
46570	purum >98%(GC); B.P. 176-179°; d ₄ ²⁰ 1.176; n _D ²⁰ 1.521; contains ~2% 4-Fluorobenzoic acid				1 lt ≈ 1.18 kg	50 ml 32. — 250 ml 135. —
46660	Fluorobenzene puriss. >99.5%(GC); B.P. 84-85°; d ₄ ²⁰ 1.025; n _D ²⁰ 1.465 3/1a; -15° C ₆ H ₅ F M _r 96.10 [462-06-6]				1 lt ≈ 1.03 kg	100 ml 10. — 500 ml 40. —
4-Fluorobenzenesulfonyl chloride						
8/12	FC ₆ H ₄ SO ₂ Cl	C ₆ H ₄ ClFO ₂ S	M _r 194.61	[349-88-2]		
46670	purum >98%(Cl); M.P. 31-35°; 1 g clearly soluble in 10 ml Dioxane					10 g 16. — 50 g 67. —
46580	2-Fluorobenzoic acid purum >97%(T); M.P. 122-124° FC ₆ H ₄ COOH C ₇ H ₅ FO ₂ M _r 140.12 [445-29-4]					25 g 16. — 100 g 55. —
46590	3-Fluorobenzoic acid pract. >95%(T); M.P. 118-122° FC ₆ H ₄ COOH C ₇ H ₅ FO ₂ M _r 140.12 [455-38-9]					25 g 23. — 100 g 85. —
46600	4-Fluorobenzoic acid purum >98%(T); M.P. 181-184°; Ash <0.05% FC ₆ H ₄ COOH C ₇ H ₅ FO ₂ M _r 140.12 [456-22-4]					10 g 8. — 50 g 29. —
46680	4-Fluorobenzonitrile purum >98%(GC); M.P. 32-34° 6.1/21 FC ₆ H ₄ CN C ₇ H ₄ FN M _r 121.12 [1194-02-1]					5 g 32. —
2-Fluorobenzothiazole						
	C ₆ H ₄ N:CFS	C ₇ H ₄ FNS	M _r 153.18	[1123-98-4]		
46720	purum B.P. 90°; d ₄ ²⁰ 1.318; n _D ²⁰ 1.580; Versatile intermediate for the preparation of various onium salts of 2-fluorobenzothiazole. These salts are very reactive coupling reagents due to the lability of the fluorine in 2-position: T. Mukaiyama, Heterocycles 6, 1509 (1977)				1 lt ≈ 1.32 kg	5 ml 29. — 25 ml 120. —
2-Fluorobenzoyl chloride						
8/22	FC ₆ H ₄ COCl	C ₇ H ₄ ClFO	M _r 158.56	[393-52-2]		
46740	purum >98%(GC); M.P. 4-7°; B.P. 206° (Lit.); d ₄ ²⁰ 1.337; n _D ²⁰ 1.536				1 lt ≈ 1.34 kg	10 ml 12. — 50 ml 50. —
3-Fluorobenzoyl chloride						
8/22	FC ₆ H ₄ COCl	C ₇ H ₄ ClFO	M _r 158.56	[1711-07-5]		
46750	purum >99%(GC); B.P. 189° (Lit.); d ₄ ²⁰ 1.322; n _D ²⁰ 1.529				1 lt ≈ 1.32 kg	10 ml 22. — 50 ml 90. —
4-Fluorobenzoyl chloride						
8/22	FC ₆ H ₄ COCl	C ₇ H ₄ ClFO	M _r 158.56	[403-43-0]		
46760	purum >97%(GC); M.P. 10-12°; d ₄ ²⁰ 1.322; n _D ²⁰ 1.532				1 lt ≈ 1.32 kg	10 ml 12. — 50 ml 50. —
2-Fluorobenzyl alcohol						
	FC ₆ H ₄ CH ₂ OH	C ₇ H ₇ FO	M _r 126.13	[446-51-5]		
46763	purum >97%(GC); B.P. 199-200°; d ₄ ²⁰ 1.178; n _D ²⁰ 1.514				1 lt ≈ 1.18 kg	5 ml 21. — 25 ml 90. —
3-Fluorobenzyl alcohol						
	FC ₆ H ₄ CH ₂ OH	C ₇ H ₇ FO	M _r 126.13	[456-47-3]		
46764	purum >97%(GC); B.P. 204-207°; d ₄ ²⁰ 1.191; n _D ²⁰ 1.513				1 lt ≈ 1.19 kg	5 ml 21. — 25 ml 90. —
4-Fluorobenzyl alcohol						
	FC ₆ H ₄ CH ₂ OH	C ₇ H ₇ FO	M _r 126.13	[459-56-3]		
46765	purum >97%(GC); B.P. 204-206°; d ₄ ²⁰ 1.168; n _D ²⁰ 1.510				1 lt ≈ 1.17 kg	25 ml 35. — 100 ml 130. —
4-Fluorobenzylamine						
8/35; 73°	FC ₆ H ₄ CH ₂ NH ₂	C ₇ H ₈ FN	M _r 125.15	[140-75-0]		
46790	purum >99%(GC); B.P. 187-188°; d ₄ ²⁰ 1.102; n _D ²⁰ 1.512				1 lt ≈ 1.10 kg	10 ml 20. — 50 ml 85. —
4-Fluorobenzyl bromide (α-Bromo-4-fluorotoluene; 1-Bromomethyl-4-fluorobenzene)						
8/22	FC ₆ H ₄ CH ₂ Br	C ₇ H ₆ BrF	M _r 189.03	[459-46-1]		
46800	pract. ~95%(GC); B.P. 85° (Lit.); d ₄ ²⁰ 1.538; n _D ²⁰ 1.547				1 lt ≈ 1.54 kg	10 ml 35. — 50 ml 145. —
2-Fluorobenzyl chloride (α-Chloro-2-fluorotoluene; 1-Chloromethyl-2-fluorobenzene)						
8/22	FC ₆ H ₄ CH ₂ Cl	C ₇ H ₆ ClF	M _r 144.58	[345-35-7]		
46810	purum >98%(GC); B.P. 86-87°; d ₄ ²⁰ 1.220; n _D ²⁰ 1.514				1 lt ≈ 1.22 kg	10 ml 25. — 50 ml 105. —
3-Fluorobenzyl chloride (α-Chloro-3-fluorotoluene; 1-Chloromethyl-3-fluorobenzene)						
8/22	FC ₆ H ₄ CH ₂ Cl	C ₇ H ₆ ClF	M _r 144.58	[456-42-8]		
46821	pract. ~97%(GC); B.P. 176° (Lit.); d ₄ ²⁰ 1.213; n _D ²⁰ 1.511				1 lt ≈ 1.21 kg	10 ml 22. — 50 ml 90. —

				sFr.	sFr.
4-Fluorobenzyl chloride (α -Chloro-4-fluorotoluene; 1-Chloromethyl-4-fluorobenzene)					
8/22	$\text{FC}_6\text{H}_4\text{CH}_2\text{Cl}$ $\text{C}_7\text{H}_6\text{ClF}$ M_r 144.58 [352-11-4]				
46830	pract. $\sim 95\%$ (GC); B.P. $_{30}87^\circ$; d_4^{20} 1.217; n_D^{20} 1.513	1 lt $\approx$ 1.22 kg	10 ml 10. —	50 ml 42. —	
Fluoroboric acid purum $\sim 50\%$ in water; d_4^{20} 1.41 (Tetrafluoroboric acid)					
8/7	HBF_4 BF_4H M_r 87.81 [16872-11-0]	1 lt $\approx$ 1.41 kg	1 lt 15. —	5 lt 63. —	
5-Fluoro-2'-deoxyuridine					
	$\text{C}_9\text{H}_{11}\text{FN}_2\text{O}_5$ M_r 246.20 [50-91-9]				
46875	purum $>98\%$ (N); M.P. $148-150^\circ$; $[\alpha]_{540}^{20} + 46 \pm 1^\circ$; $[\alpha]_D^{20} + 37 \pm 1^\circ$ ($c = 1$ in water)	100 mg 11. —	250 mg 46. —	1 g 160. —	
1-Fluoro-2,4-dinitrobenzene see 42080 2,4-Dinitrofluorobenzene					
46460	2-Fluoroethanol purum $>97\%$ (GC); B.P. $100-104^\circ$; d_4^{20} 1.110; n_D^{20} 1.366 3/3; 34° $\text{FCH}_2\text{CH}_2\text{OH}$ $\text{C}_2\text{H}_5\text{FO}$ M_r 64.06 [371-62-0]	1 lt $\approx$ 1.11 kg	5 ml 21. —	25 ml 90. —	
47003	1-Fluoroheptane purum (Heptyl fluoride) 3/1a; 16° $\text{CH}_3(\text{CH}_2)_6\text{F}$ $\text{C}_7\text{H}_{15}\text{F}$ M_r 118.20 [661-11-0]	1 lt $\approx$ 0.81 kg	10 ml 30. —		
1-Fluorohexadecane (Cetyl fluoride; Hexadecyl fluoride)					
	$\text{CH}_3(\text{CH}_2)_{15}\text{F}$ $\text{C}_{16}\text{H}_{33}\text{F}$ M_r 244.44 [33616-85-2]				
47006	purum 95% (GC); B.P. $150-152^\circ$ (Lit.); d_4^{20} 0.834; n_D^{20} 1.431	1 lt $\approx$ 0.83 kg	10 ml 30. —		
2-Fluoro-N-methylpyridinium toluene-4-sulfonate					
	$\text{CF}_3\text{CHCH:CHCH:N}(\text{CH}_3\text{C}_6\text{H}_4\text{SO}_3)\text{CH}_3$ $\text{C}_{13}\text{H}_{14}\text{FNO}_3\text{S}$ M_r 283.32 [58086-67-2]				
47110	purum M.P. $113-118^\circ$; hygroscopic; store in refrigerator; Efficient coupling reagent; see e.g. T. Mukaiyama et al., Chem. Lett. 1257 (1977) and ref. cited therein; T. Mukaiyama et al., Chem. Lett. 413 (1978) and ref. cited therein		10 g 15. —	50 g 63. —	
2-Fluoronitrobenzene					
	6.1/21i; 100° $\text{FC}_6\text{H}_4\text{NO}_2$ $\text{C}_6\text{H}_4\text{FNO}_2$ M_r 141.10 [1493-27-2]				
47150	purum $>98\%$ (GC); M.P. $-9--6^\circ$; B.P. $218-220^\circ$; d_4^{20} 1.335; n_D^{20} 1.532	1 lt $\approx$ 1.33 kg	10 ml 11. —	50 ml 46. —	
3-Fluoronitrobenzene					
	6.1/21i; 87° $\text{FC}_6\text{H}_4\text{NO}_2$ $\text{C}_6\text{H}_4\text{FNO}_2$ M_r 141.10 [402-67-5]				
47160	purum $>97\%$ (GC); B.P. $200-201^\circ$; d_4^{20} 1.325; n_D^{20} 1.525	1 lt $\approx$ 1.32 kg	10 ml 12. —	50 ml 50. —	
47170	4-Fluoronitrobenzene purum $>98\%$ (GC); M.P. $22-26^\circ$; B.P. $204-206^\circ$ 6.1/21i; 90° $\text{FC}_6\text{H}_4\text{NO}_2$ $\text{C}_6\text{H}_4\text{FNO}_2$ M_r 141.10 [350-46-9]	1 lt $\approx$ 1.33 kg	25 ml 12. —	100 ml 40. —	
4-Fluoro-3-nitrophenyl sulfone see 14825 Bis(4-fluoro-3-nitrophenyl)sulfone					
(4-Fluoro-3-nitrophenyl)trimethylammonium iodide					
	$\text{FC}_6\text{H}_3(\text{NO}_2)\text{N}(\text{I})(\text{CH}_3)_3$ $\text{C}_9\text{H}_{12}\text{FIN}_2\text{O}_2$ M_r 326.11 [39508-27-5]				
47185	purum $>98\%$ (I); M.P. $185-190^\circ$ dec.; "Protein-solubilizing reagent"; D.A. Sutton et al., Biochem. J. 130, 589 (1972)		1 g 18. —	5 g 75. —	
47246	1-Fluorooctane purum (Octyl fluoride) 3/3; 33° $\text{CH}_3(\text{CH}_2)_7\text{F}$ $\text{C}_8\text{H}_{17}\text{F}$ M_r 132.22 [463-11-6]	1 lt $\approx$ 0.81 kg	10 ml 22. —		
47260	2-Fluorophenol pract. $\sim 97\%$ (GC); B.P. $151-152^\circ$ (Lit.); d_4^{20} 1.21; n_D^{20} 1.511 6.1/22 $\text{FC}_6\text{H}_4\text{OH}$ $\text{C}_6\text{H}_5\text{FO}$ M_r 112.10 [367-12-4]	1 lt $\approx$ 1.21 kg	5 ml 12. —	25 ml 50. —	
3-Fluorophenol					
	6.1/22 $\text{FC}_6\text{H}_4\text{OH}$ $\text{C}_6\text{H}_5\text{FO}$ M_r 112.10 [372-20-3]				
47271	pract. $\sim 97\%$ (GC); M.P. $8-12^\circ$; B.P. 178° (Lit.); d_4^{20} 1.22; n_D^{20} 1.514	1 lt $\approx$ 1.22 kg	10 ml 30. —	50 ml 125. —	
47280	4-Fluorophenol purum $>98\%$ (GC); M.P. $43-46^\circ$ 6.1/22 $\text{FC}_6\text{H}_4\text{OH}$ $\text{C}_6\text{H}_5\text{FO}$ M_r 112.10 [371-41-5]		10 g 8. —	50 g 29. —	
47350	(4-Fluorophenyl)acetic acid purum $>98\%$ (T); M.P. $83-86^\circ$ $\text{FC}_6\text{H}_4\text{CH}_2\text{COOH}$ $\text{C}_8\text{H}_7\text{FO}_2$ M_r 154.14 [405-50-5]		10 g 28. —	50 g 105. —	
47300	2-Fluoro-DL-phenylalanine purum $>98\%$ (NT); M.P. $\sim 250^\circ$ dec.; Ash $<0.05\%$ $\text{FC}_6\text{H}_4\text{CH}_2\text{CH}(\text{NH}_2)\text{COOH}$ $\text{C}_9\text{H}_{10}\text{FNO}_2$ M_r 183.18 [2629-55-2]		1 g 25. —		
47310	3-Fluoro-DL-phenylalanine purum $>97\%$ (NT); M.P. $\sim 240^\circ$ dec.; Ash $<0.05\%$ $\text{FC}_6\text{H}_4\text{CH}_2\text{CH}(\text{NH}_2)\text{COOH}$ $\text{C}_9\text{H}_{10}\text{FNO}_2$ M_r 183.18 [2629-54-1]		1 g 25. —		
47320	4-Fluoro-DL-phenylalanine purum $>99\%$ (NT); M.P. $\sim 270^\circ$ dec.; Ash $<0.1\%$ $\text{FC}_6\text{H}_4\text{CH}_2\text{CH}(\text{NH}_2)\text{COOH}$ $\text{C}_9\text{H}_{10}\text{FNO}_2$ M_r 183.18 [51-65-0]		1 g 25. —		
47360	4-Fluorophenylhydrazine hydrochloride purum $>99\%$ (Cl); M.P. $>300^\circ$ $\text{FC}_6\text{H}_4\text{NHNH}_2\cdot\text{HCl}$ $\text{C}_6\text{H}_7\text{FN}_2\cdot\text{HCl}$ M_r 162.60 [823-85-8]		5 g 29. —	25 g 120. —	

				sFr.	sFr.
3-Fluorophenyl isocyanate					
47368	6.1/21; 62°	$\text{FC}_6\text{H}_4\text{NCO}$ $\text{C}_7\text{H}_4\text{FNO}$ M_r 137.11 [404-71-7]	purum >98%(GC); B.P. ₁₄ 57°; d_4^{20} 1.216; n_D^{20} 1.514	1 lt ≈ 1.22 kg	5 ml 20. — 25 ml 85. —
4-Fluorophenyl isocyanate					
47370	6.1/21	$\text{FC}_6\text{H}_4\text{NCO}$ $\text{C}_7\text{H}_4\text{FNO}$ M_r 137.11 [1195-45-5]	purum >98%(GC); B.P. ₈ 55°; d_4^{20} 1.22; n_D^{20} 1.514	1 lt ≈ 1.22 kg	5 ml 21. — 25 ml 90. —
47380	6.1/21	4-Fluorophenyl isothiocyanate purum >98%(GC); M.P. 24-26°; B.P. ₂ 66° (Lit.) $\text{FC}_6\text{H}_4\text{NCS}$ $\text{C}_7\text{H}_4\text{FNS}$ M_r 153.18 [1544-68-9]		5 g 17. —	25 g 70. —
47460	2-Fluoropyridine	purum >99%(GC); B.P. 125-126°; d_4^{20} 1.131; n_D^{20} 1.468 3/3; 24° $\text{N}:\text{CHCH}:\text{CHCH}:\text{CF}$ $\text{C}_5\text{H}_4\text{FN}$ M_r 97.09 [372-48-5]		1 lt ≈ 1.13 kg	10 ml 12. — 50 ml 50. —
4-Fluorostyrene					
47490	3/3; 35°	$\text{FC}_6\text{H}_4\text{CH}:\text{CH}_2$ $\text{C}_8\text{H}_7\text{F}$ M_r 122.14 [405-99-2]	pract. >95%(GC); B.P. 145-148°; d_4^{20} 1.021; n_D^{20} 1.514; store in refrigerator	1 lt ≈ 1.02 kg	5 ml 40. —
47500	8/11a	Fluorosulfonic acid purum 97%(NT); B.P. ₁₁ 60°; n_D^{20} 1.73; Cl <0.01% FSO_3H FHO_3S M_r 100.07 [7789-21-1]		1 lt ≈ 1.73 kg	250 ml 50. —
1-Fluorotetradecane (Myristyl fluoride; Tetradecyl fluoride)					
47505		$\text{CH}_3(\text{CH}_2)_{13}\text{F}$ $\text{C}_{14}\text{H}_{29}\text{F}$ M_r 216.38	purum ~96%(GC); B.P. ₃ 119-121° (Lit.); d_4^{20} 0.829; n_D^{20} 1.425	1 lt ≈ 0.83 kg	10 ml 25. —
4-Fluorothiophenol (4-Mercaptofluorobenzene)					
47510	6.1/81a	$\text{FC}_6\text{H}_4\text{SH}$ $\text{C}_6\text{H}_5\text{FS}$ M_r 128.17 [371-42-6]	purum >99%(GC); B.P. 164-168°; d_4^{20} 1.197; n_D^{20} 1.550	1 lt ≈ 1.20 kg	5 ml 24. — 25 ml 100. —
47520	3/1a; 8°	2-Fluorotoluene purum >99%(GC); B.P. 113-115°; d_4^{20} 1.004; n_D^{20} 1.474 $\text{FC}_6\text{H}_4\text{CH}_3$ $\text{C}_7\text{H}_7\text{F}$ M_r 110.13 [95-52-3]		1 lt ≈ 1.00 kg	100 ml 22. — 500 ml 90. —
47530	3/1a; 12°	3-Fluorotoluene purum >99%(GC); B.P. 114-116°; d_4^{20} 0.997; n_D^{20} 1.470 $\text{FC}_6\text{H}_4\text{CH}_3$ $\text{C}_7\text{H}_7\text{F}$ M_r 110.13 [352-70-5]		1 lt ≈ 1.00 kg	25 ml 12. — 100 ml 40. —
47540	3/1a; 10°	4-Fluorotoluene purum >99%(GC); B.P. 115-117°; d_4^{20} 0.998; n_D^{20} 1.469 $\text{FC}_6\text{H}_4\text{CH}_3$ $\text{C}_7\text{H}_7\text{F}$ M_r 110.13 [352-32-9]		1 lt ≈ 1.00 kg	50 ml 13. — 250 ml 55. —
Fluorotrichloromethane see 91273 Trichlorofluoromethane					
47570	5-Fluoro-DL-tryptophan	puriss. ~99%(NT); M.P. ~265° dec.; Ash <0.05% $\text{FC}_6\text{H}_3\text{NHCH}:\text{CCH}_2\text{CH}(\text{NH}_2)\text{COOH}$ $\text{C}_{11}\text{H}_{11}\text{FN}_2\text{O}_2$ M_r 222.22 [154-08-5]		100 mg 12. —	1 g 95. —
5-Fluorouracil (2,5-Dioxo-5-fluoro-pyrimidine)					
47576		$\text{NHCONHCOCF}:\text{CH}$ $\text{C}_4\text{H}_3\text{FN}_2\text{O}_2$ M_r 130.08 [51-21-8]	purum >99%(UV); M.P. 280-282° dec.; 1 g clearly soluble in 100 ml water	1 g 10. —	5 g 42. — 100 g 640. —
Fluram ® (Fluorescamine)					
47614		® Registered trade-mark of Hoffmann-La Roche + Co. AG $\text{C}_{17}\text{H}_{10}\text{O}_4$ M_r 278.27 [38183-12-9]	puriss. p.a. ~99%(UV); M.P. 155-157°; for the fluorimetric determination of primary amines and amino acids (e.g. sequencing): A. Felix, M. H. Jimenez, J. Chromatogr. 89, 361 (1974); J. Vanderkerckhove and M. van Montagu, Eur. J. Biochem. 44, 279 (1974)	100 mg 25. —	1 g 200. —
47615		puriss. p.a.; Use: 1-10 nmol prim-Amine on TLC; fluorescence excitation in long wave UV-light		Spray tin with net ~170 g	50. —
FMN-Na see 83810 Riboflavine 5'-monophosphate Sodium salt					
47616	FMOC-L-alanine	purum $\text{C}_6\text{H}_4\text{C}_6\text{H}_4\text{CHCH}_2\text{OCONHCH}(\text{CH}_3)\text{COOH}$ $\text{C}_{18}\text{H}_{17}\text{NO}_4$ M_r 311.34 [35661-39-3]		1 g 30. —	5 g 125. —
47617	FMOC-L-asparagine	purum $\text{C}_6\text{H}_4\text{C}_6\text{H}_4\text{CHCH}_2\text{OCONHCH}(\text{COOH})\text{CH}_2\text{CONH}_2$ $\text{C}_{19}\text{H}_{18}\text{N}_2\text{O}_6$ M_r 354.36		1 g 30. —	5 g 125. —
47618	FMOC-L-aspartic acid β-tert-butylester	purum $\text{C}_6\text{H}_4\text{C}_6\text{H}_4\text{CHCH}_2\text{OCONHCH}(\text{COOH})\text{CH}_2\text{COOC}(\text{CH}_3)_3$ $\text{C}_{23}\text{H}_{26}\text{NO}_6$ M_r 411.46		250 mg 33. —	1 g 120. —
47621	N _α -FMOC-N _(lim) -benzyl-L-histidine	purum $\text{C}_6\text{H}_4\text{C}_6\text{H}_4\text{CHCH}_2\text{OCONHCH}(\text{COOH})\text{CH}_2\text{C}:\text{CHN}:\text{CHNCH}_2\text{C}_6\text{H}_5$ $\text{C}_{28}\text{H}_{26}\text{N}_3\text{O}_4$ M_r 467.53		250 mg 22. —	1 g 80. —

		sFr.	sFr.
47613	N_α-FMOC-N_ω-Boc-L-arginine purum $\text{C}_6\text{H}_4\text{C}_6\text{H}_4\text{CHCH}_2\text{OCONHCH}(\text{COOH})(\text{CH}_2)_3\text{NHC}[\text{NHCOOC}(\text{CH}_3)_3]:\text{NH}$ $\text{C}_{26}\text{H}_{32}\text{N}_4\text{O}_6$ M_r 496.57	250 mg 33. —	1 g 120. —
47624	N_α-FMOC-N_ε-Boc-L-lysine purum $\text{C}_6\text{H}_4\text{C}_6\text{H}_4\text{CHCH}_2\text{OCONHCH}(\text{COOH})\text{CH}_2(\text{CH}_2)_3\text{NHCOOC}(\text{CH}_3)_3$ $\text{C}_{26}\text{H}_{32}\text{N}_2\text{O}_6$ M_r 468.55	250 mg 16. —	1 g 55. —
47631	N_α-FMOC-S-tert-butyl-L-cysteine purum $\text{C}_6\text{H}_4\text{C}_6\text{H}_4\text{CHCH}_2\text{OCONHCH}(\text{COOH})\text{CH}_2\text{SC}(\text{CH}_3)_3$ $\text{C}_{22}\text{H}_{26}\text{NO}_4\text{S}$ M_r 399.51	250 mg 26. —	1 g 95. —
47619	FMOC-O-tert-butyl-L-serine purum $\text{C}_6\text{H}_4\text{C}_6\text{H}_4\text{CHCH}_2\text{OCONHCH}(\text{COOH})\text{CH}_2\text{OC}(\text{CH}_3)_3$ $\text{C}_{22}\text{H}_{26}\text{NO}_5$ M_r 383.45	250 mg 20. —	1 g 70. —
47622	FMOC-O-tert-butyl-L-threonine purum $\text{C}_6\text{H}_4\text{C}_6\text{H}_4\text{CHCH}_2\text{OCONHCH}(\text{COOH})\text{CH}(\text{CH}_3)\text{OC}(\text{CH}_3)_3$ $\text{C}_{23}\text{H}_{27}\text{NO}_5$ M_r 397.48	250 mg 22. —	1 g 80. —
47623	FMOC-O-tert-butyl-L-tyrosine purum $\text{C}_6\text{H}_4\text{C}_6\text{H}_4\text{CHCH}_2\text{OCONHCH}(\text{COOH})\text{CH}_2\text{C}_6\text{H}_4\text{OC}(\text{CH}_3)_3$ $\text{C}_{26}\text{H}_{29}\text{NO}_5$ M_r 459.55	250 mg 26. —	1 g 95. —
47625	FMOC-L-glutamic acid-γ-tert-butylester purum $\text{C}_6\text{H}_4\text{C}_6\text{H}_4\text{CHCH}_2\text{OCONHCH}(\text{COOH})\text{CH}_2\text{CH}_2\text{COOC}(\text{CH}_3)_3$ $\text{C}_{24}\text{H}_{27}\text{NO}_6$ M_r 425.49	250 mg 33. —	1 g 120. —
47626	FMOC-L-glutamine purum $\text{C}_6\text{H}_4\text{C}_6\text{H}_4\text{CHCH}_2\text{OCONHCH}(\text{COOH})\text{CH}_2\text{CH}_2\text{CONH}_2$ $\text{C}_{20}\text{H}_{20}\text{N}_2\text{O}_5$ M_r 368.39	1 g 30. —	5 g 125. —
47627	FMOC-glycine purum $\text{C}_6\text{H}_4\text{C}_6\text{H}_4\text{CHCH}_2\text{OCONHCH}_2\text{COOH}$ $\text{C}_{17}\text{H}_{15}\text{NO}_4$ M_r 297.32 [29022-11-5]	1 g 30. —	5 g 125. —
47628	FMOC-L-isoleucine purum $\text{C}_6\text{H}_4\text{C}_6\text{H}_4\text{CHCH}_2\text{OCONHCH}(\text{COOH})\text{CH}(\text{CH}_3)\text{CH}_2\text{CH}_3$ $\text{C}_{21}\text{H}_{23}\text{NO}_4$ M_r 353.43	1 g 30. —	5 g 125. —
47633	FMOC-L-leucine purum $\text{C}_6\text{H}_4\text{C}_6\text{H}_4\text{CHCH}_2\text{OCONHCH}(\text{COOH})\text{CH}_2\text{CH}(\text{CH}_3)_2$ $\text{C}_{21}\text{H}_{23}\text{NO}_4$ M_r 353.42 [35661-60-0]	1 g 30. —	5 g 125. —
47634	FMOC-L-methionine purum $\text{C}_6\text{H}_4\text{C}_6\text{H}_4\text{CHCH}_2\text{OCONHCH}(\text{COOH})\text{CH}_2\text{CH}_2\text{SCH}_3$ $\text{C}_{20}\text{H}_{21}\text{NO}_4\text{S}$ M_r 371.46	1 g 30. —	5 g 125. —
47635	FMOC-L-phenylalanine purum $\text{C}_6\text{H}_4\text{C}_6\text{H}_4\text{CHCH}_2\text{OCONHCH}(\text{COOH})\text{CH}_2\text{C}_6\text{H}_5$ $\text{C}_{24}\text{H}_{21}\text{NO}_4$ M_r 387.45 [35661-40-6]	1 g 30. —	5 g 125. —
47636	FMOC-L-proline purum $\text{C}_6\text{H}_4\text{C}_6\text{H}_4\text{CHCH}_2\text{OCON}(\text{CH}_2)_3\text{CHCOOH}$ $\text{C}_{20}\text{H}_{19}\text{NO}_4$ M_r 337.38	1 g 30. —	5 g 125. —
47637	FMOC-L-tryptophan purum $\text{C}_6\text{H}_4\text{C}_6\text{H}_4\text{CHCH}_2\text{OCONHCH}(\text{COOH})\text{CH}_2\text{C}_6\text{H}_4\text{CHNH}_2$ $\text{C}_{26}\text{H}_{22}\text{N}_2\text{O}_4$ M_r 426.48 [35737-15-6]	1 g 30. —	5 g 125. —
47638	FMOC-L-valine purum $\text{C}_6\text{H}_4\text{C}_6\text{H}_4\text{CHCH}_2\text{OCONHCH}(\text{COOH})\text{CH}(\text{CH}_3)_2$ $\text{C}_{20}\text{H}_{21}\text{NO}_4$ M_r 339.40	1 g 30. —	5 g 125. —
	Folic acid (Pteroylglutamic acid) $\text{C}_{19}\text{H}_{19}\text{N}_7\text{O}_6$ M_r 441.41 [59-30-3] purum Ph. Helv.; USP; $[\alpha]_{\text{D}}^{20} + 21 \pm 2^\circ$ (c = 0.5 in 0.1N NaOH); H ₂ O ~8%; store in refrigerator	25 g 21. —	100 g 75. —
	Folliculin see 75300 Estrone		
	Formaldehyde (Aldehyde C ₁ ; Formalin) 6.1/61 HCHO CH ₂ O M_r 30.03 [50-00-0] puriss. p.a.; stab. with Methanol; free of acids; for the fixation of DNA and RNA and methylation of lysine side-chain in presence of sodium borohydrides: C. S. Tsai, Y.-H. Tsai, G. Lauzon and S. T. Cheng, Biochemistry 13, 440 (1973) Fluka-Guarantee: Assay (T) 37.0-40.0% Iron (Fe) <0.00005 % Free acid (as HCOOH) <0.03 % Copper (Cu) <0.000005 % Chloride (Cl) <0.0001% Cadmium (Cd) <0.000005 % Sulfate (SO ₄) <0.002 % Zinc (Zn) <0.00005 % Ash (as SO ₄) <0.05 % Lead (Pb) <0.00001 %	1 lt ≈ 1.08 kg	1 lt 9. — 2.5 lt 18. —
47630	purum p.a. 37-40%; stab. with Methanol, DAB	1 lt ≈ 1.09 kg	1 lt 8. — 5 lt 29. —



					sFr.	sFr.
	meta-Formaldehyde see 92890 sym.-Trioxane					
	para-Formaldehyde see 76240 Paraformaldehyde					
	Formaldehyde cyanohydrin see 50640 Glycolic acid nitrile					
	Formaldehyde diethyl acetal (Ethylal; Diethoxymethane) 3/1a; -5° CH ₂ (OC ₂ H ₅) ₂ C ₆ H ₁₂ O ₂ M _r 104.15 [462-95-3]					
47640	pract. ~95%(GC); B.P. 85-88°; d ₄ ²⁰ 0.831; n _D ²⁰ 1.374		1 lt ≈ 0.83 kg	100 ml 12. —	500 ml 50. —	
	Formaldehyde diethyl mercaptal [Bis(ethylthio)methane] 3/3; 42° CH ₂ (SCH ₂ CH ₃) ₂ C ₆ H ₁₂ S ₂ M _r 136.28 [4396-19-4]					
47645	purum >98%(GC); B.P. -13.68° (Lit.); d ₄ ²⁰ 0.994; n _D ²⁰ 1.511		1 lt ≈ 0.99 kg	10 ml 20. —	50 ml 85. —	
	Formaldehyde diethylmercaptal-S-oxide see 02845 Ethyl ethylthiomethyl sulfoxide					
	Formaldehyde dimethyl acetal (Dimethoxymethane; Methylal) 3/1a; -18° CH ₂ (OCH ₃) ₂ C ₃ H ₈ O ₂ M _r 76.10 [109-87-5]					
47649	puriss. for Grignard-Reactions; >99%(GC); B.P. 41-43°; d ₄ ²⁰ 0.859; n _D ²⁰ 1.353; H ₂ O ~0.05%		1 lt ≈ 0.86 kg	500 ml 26. —	1 lt 50. —	
47650	pract. ~95%(GC); B.P. 41-43°; d ₄ ²⁰ 0.857; n _D ²⁰ 1.353; Methanol ~5%		1 lt ≈ 0.86 kg	1 lt 10. —	2.5 lt 20. —	5 lt 37. —
	Formaldehyde dimethylmercaptal (Bis-methylthio-methane) CH ₂ (SCH ₃) ₂ C ₃ H ₈ S ₂ M _r 108.23 [1618-26-4]					
47653	purum >99%(GC); B.P. -13.44-47°; d ₄ ²⁰ 1.058; n _D ²⁰ 1.533; Reagent for the introduction of a carbonyl group between the carbon atoms of a non activated double bond: M. Braun, D. Seebach, Chem. Ber. 109, 669 (1976); starting material for the preparation of bis(methylthio)trimethylsilylmethane: L. Fieser, M. Fieser, "Reagents for Organic Synthesis", 6, 53; R. Bürstinghaus, D. Seebach, Chem. Ber. 110, 841 (1977)		1 lt ≈ 1.06 kg	10 ml 20. —	50 ml 85. —	
	Formaldehyde dimethylmercaptal-S-oxide see 67865 Methyl methylthiomethyl sulfoxide					
	Formaldehyde diphenylmercaptal CH ₂ (SC ₆ H ₅) ₂ C ₁₃ H ₁₂ S ₂ M _r 233.37 [3561-67-9]					
47655	purum >99%(GC); M.P. 36-37°; B.P. -0.02 127-128° (Lit.); Acyl anion equivalent with some advantages over 1,3-dithiane: E. J. Corey, D. Seebach, J. Org. Chem. 31, 4097 (1966); G. Schill, C. Merkel, Synthesis 387 (1975); P. Blatcher et al., J. Chem. Soc. Chem. Comm. 547 (1976); reagent for 1-carbon homologation of aldehydes and ketones: T. Cohen et al., J. Am. Chem. Soc. 97, 4749 (1975)			10 g 20. —	50 g 85. —	
	Formaldehyde ethylene acetal see 42545 1,3-Dioxolane					
	Formaldehyde trimethylene acetal see 42531 1,3-Dioxane					
47660	Formaldoxime hydrochloride pract.; contains free HCl (CH ₂ :NOH) ₃ .HCl C ₃ H ₉ N ₃ O ₃ .HCl M _r 171.58 [3473-11-8]			10 g 20. —	50 g 85. —	
	Formalin see 47629 Formaldehyde					
	Formamide (Amide C ₁) HCONH ₂ CH ₃ NO M _r 45.04 [75-12-7]					
47670	puriss. p.a. B.P. -0.160-62°		1 lt ≈ 1.13 kg	250 ml 7. —	1 lt 14. —	2.5 lt 31. —
	Fluka-Guarantee:					
	Assay (gravimetric)	>99.0 %	Nickel (Ni)	<0.00001%		
	Residue on evaporation	<0.1 %	Copper (Cu)	<0.00001%		
	Miscibility	passes test	Lead (Pb)	<0.00001%		
	M.P.	3-5°	Cadmium (Cd)	<0.00001%		
	Iron (Fe)	<0.00005%	Zinc (Zn)	<0.00005%		
	Cobalt (Co)	<0.00001%				
47680	purum >98%(N); M.P. 1-3°; B.P. 213-216°; d ₄ ²⁰ 1.13; n _D ²⁰ 1.448		1 lt ≈ 1.13 kg	1 lt 11. —	5 lt 44. —	
47690	Formamidine acetate puriss. ~99%(NT); M.P. ~165° dec. HN:CHNH ₂ .CH ₃ COOH CH ₄ N ₂ .C ₂ H ₄ O ₂ M _r 104.11 [40730-94-7]			100 g 28. —	500 g 105. —	
47700	Formamidine hydrochloride purum >98%(Cl); M.P. 78-82° HN:CHNH ₂ .HCl CH ₄ N ₂ .HCl M _r 80.52 [6313-33-3]			25 g 40. —	100 g 145. —	
	Formamidinesulfinic acid (Aminoiminomethanesulfinic acid; Thiourea dioxide) NH ₂ C(:NH)SO ₂ H CH ₄ N ₂ O ₂ S M _r 108.12 [1758-73-2]					
47710	purum >98%(S); M.P. 124-127° dec.			100 g 13. —	500 g 55. —	



			sFr.	sFr.
47712	Formanilide pract. M.P. 46-48° (N-Phenylformamide) C_6H_5NHCHO C_7H_7NO M_r 121.14 [103-70-8]		50 g 15. —	250 g 63. —
	Formic acid (Carboxylic acid C_1) 8/21b; 69° $HCOOH$ CH_2O_2 M_r 46.03 [64-18-6]			
06440	puriss. p.a. anhydrous; B.P. 100-101° Fluka-Guarantee: Assay 99.0 % M.P. 7.0-8.5° Residue on evaporation <0.002% Miscibility passes test Acetic acid (CH_3COOH) <0.5 % Chloride (Cl) <0.001% Sulfate (SO_4) <0.002% Sulfite (SO_3) <0.002% Iron (Fe) <0.00005% Cobalt (Co) <0.00001% Nickel (Ni) <0.00001% Copper (Cu) <0.00001% Lead (Pb) <0.00001% Cadmium (Cd) <0.00001% Zinc (Zn) <0.00001%	1 lt $\approx$ 1.22 kg 500 ml 9. —	1 lt 16. —	2.5 lt 35. —
06450	purum anhydrous $\sim$ 98(T); H_2O $\sim$ 2%; M.P. 7-8.5°; B.P. 99-101°; d_4^{20} 1.22; n_D^{20} 1.371	1 lt $\approx$ 1.22 kg	1 lt 13. —	5 lt 55. —
06460	techn. 85%; d_4^{20} 1.19; n_D^{20} 1.370	1 lt $\approx$ 1.19 kg	1 lt 9. —	5 lt 34. —
	Formic acid tert-butylester see 06513 tert-Butyl formate			
	Formic acid Calcium salt see 21133 Calcium formate			
	Formic acid Potassium salt see 60243 Potassium formate			
47713	N-Formimino-L-glutamic acid Barium salt purum $\sim$ 97%(NT) [$NH:CHNHCH(COOH)CH_2CH_2COO$]. $\frac{1}{2}$ Ba $C_6H_9N_2O_4$. $\frac{1}{2}$ Ba M_r 241.82 [816-90-0] (free acid)		100 mg 30. —	
47716	Formvar 15/95 E ® (Polyvinyl formal) ® Registered trade-mark of Monsanto		100 g 10. —	500 g 37. —
	4'-Formylacetanilide see 00220 4-Acetamidobenzaldehyde			
	4-Formylbenzoic acid see 21870 4-Carboxybenzaldehyde			
	4-Formylbenzonitrile see 28350 4-Cyanobenzaldehyde			
	4-Formyl-1-cyclohexene see 87320 1,2,3,6-Tetrahydrobenzaldehyde			
	N-Formylethylamine see 03951 N-Ethylformamide			
	N-Formylglycine ethyl ester $HCONHCH_2COOC_2H_5$ $C_5H_9NO_3$ M_r 131.13 [3154-51-6] purum >98%(GC); B.P. 267-269°; d_4^{20} 1.150; n_D^{20} 1.453	1 lt $\approx$ 1.15 kg	10 ml 25. —	50 ml 105. —
	N-Formylisopropylidene-L-penicillamine see 47722 N-Formyl-L-penicillamine acetone adduct			
	N-Formylisopropylidene-DL-penicillamine see 47724 N-Formyl-DL-penicillamine acetone adduct			
	2-Formylmesitylene see 63900 Mesitylaldehyde			
	N-Formylmethylamine see 66900 N-Methylformamide			
	N-Formyl-N-methylaniline see 66910 N-Methylformanilide			
	4-Formyl-5-methyl-1-cyclohexene see 69265 2-Methyl-1,2,3,6-tetrahydrobenzaldehyde			
47720	(Formylmethylene)triphenylphosphorane pract. M.P. 185-187° $HOCCH:P(C_6H_5)_3$ $C_{20}H_{17}OP$ M_r 304.33 [2136-75-6]		5 g 60. —	
47718	Formylmethyltriphenylphosphonium chloride purum >97%(Cl); M.P. 209-212° dec. $HCOCH_2P(Cl)(C_6H_5)_3$ $C_{20}H_{18}ClOP$ M_r 340.79 [62942-43-2]		10 g 25. —	50 g 105. —
47721	4-Formylmorpholine (4-Morpholinecarboxaldehyde) $CH_2CH_2OCH_2CH_2NCHO$ $C_5H_9NO_2$ M_r 115.13 [4394-85-8] purum >99%(GC); M.P. 20-23°; B.P. 239-241°; d_4^{20} 1.150; n_D^{20} 1.486	1 lt $\approx$ 1.15 kg	100 ml 20. —	500 ml 85. —
	8-Formyl-1-naphthoic acid see 21950 Naphthaldehydic acid			
47722	N-Formyl-L-penicillamine Acetone adduct (N-Formylisopropylidene-L-penicillamine) $C_9H_{15}NO_3S$ M_r 217.29 [40626-24-2] purum >99%(T); M.P. 176-178°; $[\alpha]_{546}^{20} -61 \pm 1^\circ$; $[\alpha]_D^{20} -51 \pm 1^\circ$ (c = 1 in Ethanol)		1 g 18. —	5 g 75. —
47724	N-Formyl-DL-penicillamine Acetone adduct (N-Formylisopropylidene-DL-penicillamine) $C_9H_{15}NO_3S$ M_r 217.29 [40626-26-4] purum >99%(T); M.P. 140-142°		10 g 15. —	50 g 63. —



		sFr.	sFr.
	1-Formylpiperidine (1-Piperidinecarboxaldehyde) $\text{HCON}(\text{CH}_2)_4\text{CH}_2$ $\text{C}_6\text{H}_{11}\text{NO}$ M_r 113.16 [2591-86-8] purum >99%(GC); B.P. 220-222°; d_4^{20} 1.019; n_D^{20} 1.485	1 lt ≈ 1.02 kg	250 ml 17. —
47725			1 lt 60. —
	2-Formylpyrrole see 83230 Pyrrole-2-carboxaldehyde		
	1-Formylpyrrolidine (1-Pyrrolidinecarboxaldehyde) $\text{CH}_2(\text{CH}_2)_3\text{NCHO}$ $\text{C}_5\text{H}_9\text{NO}$ M_r 99.13 [3760-54-1] purum >99%(GC); B.P. 90-92°; d_4^{20} 1.040; n_D^{20} 1.480	1 lt ≈ 1.04 kg	50 ml 21. —
47728			250 ml 90. —
	2-Formyl-1,3,5-trimethylbenzene see 63900 Mesitylaldehyde		
	Foxgreen see 21981 Cardiogreen		
	F-1-P-Ba see 47820 D-Fructose-1-phosphate Barium salt		
	β-D-Fructofuranosidase see 57629 Invertase		
	β-D-Fructofuranosyl-α-D-glucopyranoside see 84100 D(+) - Sucrose		
	D(—)-Fructose (Levulose) $\text{QCH}_2(\text{CHOH})_3\text{C}(\text{OH})\text{CH}_2\text{OH}$ $\text{C}_6\text{H}_{12}\text{O}_6$ M_r 180.16 [57-48-7] puriss. M.P. 103-105°; $[\alpha]_{546}^{20\text{h}} -109 \pm 1^\circ$; $[\alpha]_D^{20\text{h}} -93 \pm 1^\circ$ (c = 10 in water); 1 g clearly and colourless soluble in 10 ml water; for Bacteriology Fluka-Guarantee: Loss on drying <0.1 % Cadmium (Cd) <0.001 % Residue on ignition (as SO_4) <0.1 % Zink (Zn) <0.001 % Chloride (Cl) <0.005 % Iron (Fe) <0.005 % Sulfate (SO_4) <0.005 % Cobalt (Co) <0.001 % Copper (Cu) <0.0001% Nickel (Ni) <0.001 % Lead (Pb) <0.0001% Arsenic (As) <0.00001%	250 g 8. —	1 kg 20. —
47740			
	D-Fructose 1,6-diphosphate Trisodium salt , FDP- Na_3H $\text{C}_6\text{H}_{11}\text{Na}_3\text{O}_{12}\text{P}_2$ M_r 406.06 [38099-82-0] purum ~99% (dry); ~25% H_2O ; store in refrigerator	1 g 18. —	5 g 75. —
47810			
	D-Fructose 1-phosphate Barium salt , F-1-P-Ba $\text{C}_6\text{H}_{11}\text{BaO}_5\text{P}$ M_r 395.46 [53823-70-4] purum F-1-P (M_r 260.2) ~60% + 5-7% water; P (total) 7.3%; P (inorgan.) <0.07%; store in refrigerator	1 g 35. —	
47820			
	Fuchsine [C.I. Nr. 42510; Sch. Nr. 780] (Fuchsine basic; Magenta; Rosaniline) [632-99-5] Standard Fluka for Microscopy; Indicator pH 1.0-3.1 (Bact., Bot., Hist.)	25 g 9. —	100 g 30. —
47860			500 g 125. —
	Fuchsine acid see 84600 Acid Fuchsine		
	Fuchsine basic see 47860 Fuchsine		
	Fuchsine S see 84600 Acid Fuchsine		
	L(—)-Fucose (6-Deoxy-L-galactose) $\text{CH}_3\text{CH}(\text{CHOH})_4\text{O}$ $\text{C}_6\text{H}_{12}\text{O}_5$ M_r 164.16 [2438-80-4] puriss. M.P. 140-143°; $[\alpha]_{546}^{20\text{h}} -89.0 \pm 2^\circ$; $[\alpha]_D^{20\text{h}} -75.5 \pm 2^\circ$ (c = 10 in water)	1 g 28. —	5 g 105. —
47870			
	D(+) -Fucose (6-Deoxy-D-galactose; Rhodoseose) $\text{CH}_3\text{CH}(\text{CHOH})_4\text{O}$ $\text{C}_6\text{H}_{12}\text{O}_5$ M_r 164.16 [3615-37-0] puriss. CHR; M.P. 135-139°; $[\alpha]_{546}^{20\text{h}} +89 \pm 2^\circ$; $[\alpha]_D^{20\text{h}} +75.5 \pm 2^\circ$ (c = 10 in water)	1 g 32. —	5 g 135. —
47880			
	Fullers earth Humidity 7%; pH (10% suspension) 6.5; residue on 0.15 mm; sieve: 3%	1 kg 8. —	5 kg 26. —
15324			
	Fumaric acid HOOCCH:CHCOOH $\text{C}_4\text{H}_4\text{O}_4$ M_r 116.08 [110-17-8] puriss. p.a. >99.5%(T); M.P. 301-302° subl.; Ash <0.1% purum >99%; M.P. 298-300° subl.	100 g 8. —	500 g 26. —
47900			
47910		1 kg 14. —	5 kg 60. —
	Fumaric acid Disodium salt anhydrous (di-Sodium fumarate) NaOOCCH:CHCOONa $\text{C}_4\text{H}_2\text{Na}_2\text{O}_4$ M_r 160.04 [17013-01-3] puriss. >99%(NT); H_2O ~0.5%	100 g 7. —	500 g 20. —
47970			
47940	Fumaric diamide purum >98%(N); M.P. ~300° dec. $\text{NH}_2\text{COCH:CHCONH}_2$ $\text{C}_4\text{H}_6\text{N}_2\text{O}_2$ M_r 114.11 [627-64-5]	25 g 31. —	



				sFr.	sFr.
	Fumaronitrile (trans-1,2-Dicyanoethylene)				
6.1/21	NCCH:CHCN	C ₄ H ₂ N ₂	M _r 78.07 [764-42-1]		
47980	pract. M.P. 93-95°; precursor of the appropriate amidate, a cross-linking agent for the modification of proteins via amidation according to Davies and Stark: G. E. Davies and G. R. Stark, Proc. Natl. Acad. Sci. US 66, 651 (1970)				
				25 g 22. —	100 g 80. —
47960	Fumaryl chloride pract. ~97%(Cl); B.P. 56-58°; d ₄ ²⁰ 1.412; n _D ²⁰ 1.500 8/22; 77° ClCOCH:CHCOCl C ₄ H ₂ Cl ₂ O ₂ M _r 152.97 [627-63-4]				
			1 lt ≈ 1.41 kg	50 ml 26. —	250 ml 110. —
	Furacin see 73340 5-Nitro-2-furfurylsemicarbazone				
	2-Furaldehyde (Furfural; Furan-2-carboxaldehyde)				
3/4; 60°	QCH:CHCH:CHO	C ₅ H ₄ O ₂	M _r 96.09 [98-01-1]		
48070	puriss. p.a. >99%(GC); B.P. 54-56°; d ₄ ²⁰ 1.159; n _D ²⁰ 1.525; H ₂ O <0.1%; stab. with 0.1% 2,6-Di-tert-butyl-p-cresol				
			1 lt ≈ 1.16 kg	100 ml 14. —	500 ml 60. —
48080	pract. >98%(GC); B.P. 159-163°; d ₄ ²⁰ 1.158; n _D ²⁰ 1.526				
			1 lt ≈ 1.16 kg	1 lt 22. —	5 lt 90. —
	Furan				
3/1a; -36°	QCH:CHCH:CH	C ₄ H ₄ O	M _r 68.08 [110-00-9]		
47990	purum >99%(GC); B.P. 31-33°; d ₄ ²⁰ 0.936; n _D ²⁰ 1.421; stab. with 0.025% tert-Butyl-p-cresol				
			1 lt ≈ 0.94 kg	250 ml 8. —	1 lt 25. —
	Furan-2-acrylic acid see 48180 3-(2-Furyl)acrylic acid				
	Furan-2-carboxaldehyde see 48070 2-Furaldehyde				
48000	Furan-2-carboxylic acid purum >98%(T); M.P. 128-130°; Ash <0.5% (2-Furoic acid)				
8/21	QCH:CHCH:CCOOH	C ₅ H ₄ O ₃	M _r 112.09 [88-14-2]	100 g 16. —	500 g 63. —
	Furan-3-carboxylic acid (3-Furoic acid)				
	CH:CHOCH:CCOOH	C ₅ H ₄ O ₃	M _r 112.09 [488-93-7]		
48003	purum >98%(T); M.P. 120-123°; Ash <0.1%				
				5 g 18. —	25 g 75. —
48053	Furan-3,4-dicarboxylic acid purum >99%(T); M.P. 213-215°; Ash <0.05%				
	HOOCCH:CHOCH:CCOOH	C ₆ H ₄ O ₅	M _r 156.10 [3387-26-6]	10 g 25. —	
	Furfurol see 48070 Furaldehyde				
	Furfuryl alcohol				
3/4; 75°	QCH:CHCH:CH ₂ OH	C ₅ H ₆ O ₂	M _r 98.10 [98-00-0]		
48090	purum >99%(GC); B.P. 71-72°; d ₄ ²⁰ 1.132; n _D ²⁰ 1.486				
48100	pract. >97%(GC); B.P. 68-72°; d ₄ ²⁰ 1.132; n _D ²⁰ 1.486				
			1 lt ≈ 1.13 kg	100 ml 20. —	500 ml 85. —
			1 lt ≈ 1.13 kg	1 lt 22. —	5 lt 90. —
	Furfurylamine (2-Aminomethylfuran)				
8/35; 37°	QCH:CHCH:CH ₂ NH ₂	C ₅ H ₇ NO	M _r 97.12 [617-89-0]		
48110	puriss. ~99%(GC); B.P. 41-43°; d ₄ ²⁰ 1.052; n _D ²⁰ 1.489				
48120	pract. >98%(GC); B.P. 144-146°; d ₄ ²⁰ 1.05; n _D ²⁰ 1.489				
			1 lt ≈ 1.05 kg	100 ml 30. —	500 ml 125. —
			1 lt ≈ 1.05 kg	250 ml 21. —	1 lt 75. —
	6-Furfurylaminopurine (N ⁶ -Furfuryladenine; Kinetin)				
	C ₁₀ H ₉ N ₅ O	M _r 215.22 [525-79-1]			
48130	puriss. >99%(UV); M.P. 269-271° dec.; Ash <0.05%				
			250 mg 8. —	1 g 25. —	5 g 105. —
	Furfurylideneacetic acid see 48180 3-(2-Furyl)acrylic acid				
	Furfuryl mercaptan				
6.1/81a	QCH:CHCH:CH ₂ SH	C ₅ H ₆ OS	M _r 114.17 [98-02-2]		
48140	purum >97%(GC); B.P. 49-50°; d ₄ ²⁰ 1.125; n _D ²⁰ 1.531				
			1 lt ≈ 1.12 kg	100 ml 28. —	500 ml 120. —
48160	α-Furildioxime puriss. p.a. M.P. ~165° dec.; determination and detection: Ni, Pt QCH:CHCH:CC(=NOH)C(=NOH)CH:CHCH:CHO C ₁₀ H ₈ N ₂ O ₄ M _r 220.19 [522-27-0]				
				1 g 14. —	5 g 60. —
	2- and 3-Furoic acid see 48000 and 48003 Furan-2- and 3-carboxylic acid				
48040	2-Furoic acid hydrazide puriss. p.a. ~99%(NT); M.P. 79-81° (2-Furoyl hydrazide)				
	QCH:CHCH:CCONHNH ₂	C ₅ H ₆ N ₂ O ₂	M _r 126.12 [3326-71-4]	10 g 18. —	50 g 75. —
48170	α-Furoin purum M.P. 137-139°				
	QCH:CHCH:CH(OH)COCH:CHCH:CHO	C ₁₀ H ₈ O ₄	M _r 192.17 [552-86-3]	25 g 35. —	100 g 130. —
	2-Furoyl chloride				
8/22	QCH:CHCH:CCOCl	C ₅ H ₃ ClO ₂	M _r 130.53 [527-69-5]		
48030	purum >98%(GC); M.P. -2- +2°; B.P. 67-69°; d ₄ ²⁰ 1.326; n _D ²⁰ 1.531				
			1 lt ≈ 1.33 kg	25 ml 12. —	100 ml 40. —

		sFr.	sFr.
	2-Furoyl hydrazide see 48040 2-Furoic acid hydrazide		
	3-(2-Furyl)acrylic acid (Furan-2-acrylic acid; Furfurylideneacetic acid) QCH:CHCH:CCOCH ₃ C ₇ H ₆ O ₃ M _r 138.12 [539-47-9] purum >99%(T); M.P. 139-141°	25 g 13.—	100 g 45.—
48180			
	2-Furyl methyl ketone (2-Acetylfuran) QCH:CHCH:CCOCH ₃ C ₆ H ₆ O ₂ M _r 110.11 [1192-62-7] purum >99%(GC); M.P. 26-28°; B.P. ₁₂ 65-67°; store in refrigerator	50 g 15.—	250 g 63.—
48200			
	Fustin see 37290 Dihydrofisetin		
	GA₃ see 48870 Gibberellin and 48880 Gibberellic acid		
	GABA see 07240 4-Aminobutyric acid		
	"Gabaculin" see 07710 3-Amino-2,3-dihydro benzoic acid hydrochloride		
48210	Gadolinium puriss. gran. 99.9% + 0.1% Sm + Eu + traces Tb Gd A _r 157.25 [7440-54-2]	1 g 20.—	5 g 85.—
48220	Gadolinium oxide puriss. >99.9% + 0.1% Sm ₂ O ₃ + Eu ₂ O ₃ + traces Tb ₄ O ₇ Gd ₂ O ₃ M _r 362.52 [12064-62-9]	5 g 13.—	25 g 55.—
	Galactaric acid see 84660 Mucic acid		
	D(—)-Galactonic acid-γ-lactone [D(—)-Galactono-1,4-lactone] HOCH ₂ CH(OH)CH(CHOH) ₂ COO C ₆ H ₁₀ O ₆ M _r 178.14 [2782-07-2] purum M.P. 133-136°; [α] ₅₄₆ ^{20/30'} → -92±2°; [α] _D ^{20/30'} → -77±2° (c = 2 in water)	10 g 25.—	50 g 105.—
48240			
	6-O-α-D-Galactopyranosyl-α-D-glucopyranosyl-β-D-fructofuranoside see 83400 D(+) -Raffinose		
	D-Galactosamine hydrochloride (D-Chondrosamine hydrochloride) HOCH ₂ CH(CHOH) ₂ CH(NH ₂)CH(OH)O.HCl C ₆ H ₁₃ NO ₅ .HCl M _r 215.64 [1772-03-8] purum >98%(Cl); M.P. ~180-185° dec.; [α] ₅₄₆ ^{20/24h} → +110±2°; [α] _D ^{20/24h} → +93±2° (c = 1 in water); store in refrigerator	250 mg 17.—	1 g 60.—
48250			
	D(+) -Galactose HOCH ₂ CH(CHOH) ₄ O C ₆ H ₁₂ O ₆ M _r 180.16 [59-23-4] puriss. p.a. M.P. 167-170° dec.; [α] ₅₄₆ ^{20/24h} → +94±1°; [α] _D ^{20/24h} → +80±1° (c = 5 in water); 1 g clearly and colourless soluble in 10 ml water; for Bacteriology Fluka-Guarantee: Loss on drying <0.1 % Cadmium (Cd) <0.0001 % Residue on ignition (as SO ₄) <0.1 % Zink (Zn) <0.0001 % Chloride (Cl) <0.005 % Iron (Fe) <0.0005 % Sulfate (SO ₄) <0.005 % Cobalt (Co) <0.0001 % Copper (Cu) <0.0001% Nickel (Ni) <0.0001 % Lead (Pb) <0.0001% Arsen (As) <0.00001%	100 g 18.—	500 g 85.—
48260			
	β-D-Galactose pentaacetate (1,2,3,4,6-Penta-O-acetyl-β-D-galactopyranose) CH ₃ COOCH ₂ CH(CHOCOCH ₃) ₄ O C ₁₆ H ₂₂ O ₁₁ M _r 390.35 [25878-60-8] puriss. M.P. 139-142°; [α] ₅₄₆ ²⁰ → +30±1° (c = 1 in Chlf.); 1 g clearly soluble in 20 ml Methanol	25 g 18.—	100 g 65.—
48270			
	4-O-β-D-Galactopyranosyl-D-gluconic acid see 61321 Lactobionic acid		
	4-O-β-D-Galactopyranosyl-D-fructose see 61360 Lactulose		
	4-O-β-D-Galactopyranosyl-D-glucose see 61340 D(+) -Lactose		
	6-O-α-D-Galactopyranosyl-D-glucose see 63630 D(+) -Melibiose		
	D(+) -Galacturonic acid HOOCCH(CHOH) ₄ O.H ₂ O C ₆ H ₁₀ O ₇ .H ₂ O M _r 212.16 [685-73-4] puriss. >99(T); M.P. ~155° dec.; [α] ₅₄₆ ^{20/5h} → +62±1°; [α] _D ^{20/5h} → +51±1° (c = 10 in water)	5 g 24.—	25 g 100.—
48280			
	Galangin purum ~95%; M.P. 216-218°; H ₂ O ~5% (3,5,7-Trihydroxyflavone) (HO) ₂ C ₆ H ₂ COC(OH):C(C ₆ H ₅)O C ₁₅ H ₁₀ O ₆ M _r 270.24 [548-83-4]	10 mg 28.—	100 mg 225.—
48290			
	Gallic acid Monohydrate (3,4,5-Trihydroxybenzoic acid) (HO) ₃ C ₆ H ₂ COOH.H ₂ O C ₇ H ₆ O ₆ .H ₂ O M _r 188.14 [149-91-7] purum Ph. Helv.; >98%(T); M.P. ~225° dec.; Ash <0.05%	100 g 9.—	500 g 29.—
48630			



		sFr.	sFr.
	Gallic acid trimethyl ether see 92150 3,4,5-Trimethoxybenzoic acid		
	Gallion [8-Amino-2-(3-chloro-2-hydroxy-5-nitrophenylazo)-1-naphthol-3,6-disulfonic acid] 2-HO-3-Cl-5-NO ₂ C ₆ H ₂ N:N-2-C ₁₀ H ₃ -1-OH-8-NH ₂ -3,6-(SO ₃ H) ₂ C ₁₆ H ₁₁ ClN ₄ O ₁₀ S ₂ M _r 518.87 [3769-62-8]		
48310	p.a. for the photometric determination of Ga; Zhur. Anal. Khim. 13, 66 (1958); ref. C.A. 52, 9850a (1958)	10 g 15. —	
	Gallium		
	Ga A _r 69.72 [7440-55-3]		
48320	puriss. Semiconductor-Quality 99.9999%; zone refined for electronic purposes	25 g Sticks 300. —	
48330	puriss. 99.999%	1 g 18. —	5 g 75. —
48340	puriss. 99.99%	5 g 50. —	25 g 210. —
	Gallium (Coating quality BALZERS) 99.999%; Mesh size 2-8 mm	10 g 160. —	
	Gallium(III) chloride GaCl ₃ Cl ₃ Ga M _r 176.08 [13450-90-3]		
48420	puriss. Ga 99.9999%	Ampoule of 10 g 225. —	
48430	puriss. Ga 99.99%	Ampoule of 10 g 160. —	25 g 350. —
48470	Gallium(III) iodide puriss. Ga 99.99% GaI ₃ M _r 450.43 [13450-91-4]		Ampoule of 10 g 280. —
	Gallium(III) nitrate Hydrate Ga(NO ₃) ₃ ·8H ₂ O GaN ₃ O ₉ ·8H ₂ O M _r 399.86 [63462-65-7]		
48500	puriss. Ga 99.9999%	1 g 14. —	5 g 60. —
48510	puriss. Ga 99.99%	1 g 12. —	5 g 50. —
	Gallium (III) oxide Ga ₂ O ₃ M _r 187.44 [12024-21-4]		
48520	puriss. Ga 99.9999%	1 g 20. —	5 g 85. —
48530	puriss. Ga 99.999%	1 g 13. —	5 g 55. —
48540	puriss. Ga 99.99%	5 g 40. —	25 g 165. —
48560	Gallium(III) sulfate anhydrous puriss. Ga 99.99% Ga ₂ (SO ₄) ₃ Ga ₂ O ₁₂ S ₃ M _r 427.62 [34781-33-4]	1 g 20. —	5 g 85. —
	Gallocyanine [C.I. Nr. 51030] (7-Dimethylamino-4-hydroxy-3-oxo-3H-phenoxazine- 6.1/21 1-carboxylic acid) C ₁₅ H ₁₂ N ₂ O ₅ M _r 300.27 [1562-85-2]		
48610	Standard Fluka for Microscopy	10 g 14. —	50 g 60. —

Gaschromatography see "Chromatography" green section

	Gastrin Series see		
	53669 Human Mini Gastrin I, HG-14		
	53670 Human Big Gastrin I, HG-34		
	53671 Human Big Gastrin I (Seq. 1-20)		
	53673 Human Big Gastrin I, HG-17		
	53674 Human Big Gastrin I, HG-13		
	61893 11-Leucine Human Mini Gastrin I, LHG-13		
	61887 15-Leucine Human Gastrin I, LHG-17		
	GDP see 51070 Guanosine 5'-diphosphate Trisodium salt		
48722	Gelatine DAB for Microbiology; 180 Bloom	100 g 8. —	500 g 26. —
48724	Gelatine granulated USP 250 Bloom	500 g 20. —	

Gelelektrophoresis see "Electrophoresis" green section

48730	Gelsamine purum cryst. M.P. 176-178°; store in refrigerator 6.1/81e C ₂₀ H ₂₂ N ₂ O ₂ M _r 322.41 [509-15-9]	250 mg 24. —	1 g 90. —
	Gelseminic acid see 84792 Scopoletin		
	"Genetron" 113 see 91440 1,1,2-Trichlorotrifluoroethane		
	Genstrychnine Trihydrate see 85940 Strychnine-N-oxide		
	Gentian Violet [C.I. Nr. 42535/42555; Sch. Nr. 783/785] (mixture of Crystal Violet and 6.1/21 Methyl Violet) [548-62-9]	100 g 11. —	500 g 44. —
48770	Standard Fluka for Microscopy (Bact., Hist.)		

				sFr.	sFr.
	Gentiobiose (Amygdalose; 6-O-β-D-Glucopyranosyl-D-glucose) C ₁₂ H ₂₂ O ₁₁ M _r 342.30 [554-91-6]				
48790	purum M.P. 195-197° dec.; [α] _D ²⁰ +11±1°; [α] _D ²⁰ +9.5±1° (c = 2 in water)			250 mg 14.—	1 g 50.—
	Gentisaldehyde see 37515 2,5-Dihydroxybenzaldehyde				
	Gentisic acid see 37550 2,5-Dihydroxybenzoic acid				
	Geraniol (trans-3,7-Dimethyl-2,6-octadien-1-ol) (CH ₃) ₂ C:CHCH ₂ CH ₂ C(CH ₃):CHCH ₂ OH C ₁₀ H ₁₈ O M _r 154.25 [106-24-1]				
48798	puriss. >99.5%; B.P. 231-232°; d ₄ ²⁰ 0.879; n _D ²⁰ 1.477	1 lt ≈ 0.88 kg		10 ml 30.—	
48799	purum >97% (GC); d ₄ ²⁰ 0.879; n _D ²⁰ 1.477	1 lt ≈ 0.88 kg		50 ml 11.—	250 ml 46.—
	Geranyl acetate 3/4; 95° C ₁₂ H ₂₀ O ₂ M _r 196.29 [16409-44-2]				
45897	pract. Mixture of isomers; B.P. 244-245°; d ₄ ²⁰ 0.868; n _D ²⁰ 1.462	1 lt ≈ 0.87 kg		100 ml 20.—	500 ml 85.—
	Geranylacetone (trans-6,10-Dimethyl-5,9-undecadien-2-one) 3/4; 65° (CH ₃) ₂ C:CHCH ₂ CH ₂ C(CH ₃):CHCH ₂ CH ₂ COCH ₃ C ₁₃ H ₂₂ O M _r 194.32 [3796-70-1]				
48805	purum >97% (GC); B.P. 260-262°; d ₄ ²⁰ 0.869	1 lt ≈ 0.87 kg		10 ml 22.—	50 ml 90.—
	Germanium Ge A _r 72.59 [7440-56-4]				
48830	puriss. powder 99.999%; Semiconductor-Quality; Resistance 50 Ω/cm			10 g 50.—	
48831	puriss. 99.999%; in Sticks			10 g 50.—	
48840	puriss. powder 99.99%			10 g 38.—	
48842	Germanium (Coating quality BALZERS) 99.999%; Mesh size 0.7-3.5 mm			10 g 60.—	100 g 420.—
	Germanium(IV) chloride (Germanium tetrachloride) GeCl ₄ Cl ₄ Ge M _r 214.40 [10038-98-9]				
48850	purum			Ampoule of 2 g	18.—
48851	purum			Ampoule of 25 g	75.—
48860	Germanium(IV) oxide puriss. 99.999% (Germanium dioxide) GeO ₂ M _r 104.59 [1310-53-8]			10 g 20.—	50 g 85.—
	Germanium tetrachloride see 48850 Germanium(IV) chloride				
	Gibberellic acid (GA ₃) C ₁₉ H ₂₂ O ₆ M _r 346.38 [77-06-5]				
48880	purum 90% Gibberellin A ₃ + 10% inactive Substance; M.P. 233-235° dec.; [α] _D ²⁰ +92±2°; [α] _D ²⁰ +78±2° (c = 2 in Methanol); store in refrigerator			1 g 18.—	5 g 75.—
	Gibberellin (GA ₃) C ₁₉ H ₂₂ O ₆ (+C ₁₉ H ₂₄ O ₆) M _r 346.38 (+348.40)				
48870	purum 100% active: 80% Gibberellin A ₃ + 20% Gibberellin A; [α] _D ²⁰ +90±3° (c = 1 in Methanol)			1 g 16.—	5 g 67.—
	Giemsa-Solution 3/5; 14° Standard Fluka for staining cellular blood components and blood parasites (together with May-Grünwald solution for pap staining according to Pappenheim)				
48900		1 lt ≈ 0.89 kg	100 ml 7.—	500 ml 13.—	1 lt 22.—
	Gifblaar poison see 71510 Sodium dimethyldithiocarbamate				
	Girard Reagent D according to Viscontini (Acethydrazide-dimethylammonium chloride; N,N-Dimethylglycinehydrazide-monohydrochloride) (CH ₃) ₂ NCH ₂ CONHNH ₂ ·HCl C ₄ H ₁₁ N ₃ O·HCl M _r 153.61 [539-64-0]				
48910	purum M.P. 183-186° dec.			10 g 12.—	50 g 50.—
	Girard Reagent P (Acethydrazidepyridinium chloride) CH:CHCH:CHCH:N(CI)CH ₂ CONHNH ₂ C ₇ H ₁₀ ClN ₃ O M _r 187.63 [1126-58-5]				
48920	purum M.P. 198-204° dec.			100 g 25.—	500 g 105.—
	Girard Reagent T (Acethydrazidetrimethylammonium chloride) (CH ₃) ₃ N(CI)CH ₂ CONHNH ₂ C ₆ H ₁₄ ClN ₃ O M _r 167.64 [123-46-6]				
48930	purum >98% (Cl); M.P. 185-190° dec.			100 g 20.—	500 g 85.—
	Gitoxigenin [3β,14,16β,21-Tetrahydroxy-20(22)-norcholenic acid lactone] 6.1/81g C ₂₃ H ₃₄ O ₅ M _r 390.52 [545-26-6]				
48940	puriss. CHR; M.P. 223-226°; [α] _D ²⁰ +37±2°; [α] _D ²⁰ +30±2° (c = 1 in Methanol)			100 mg 65.—	

		sFr.	sFr.
	Gitoxin (Pseudodigitoxin) 6.1/81g $C_{41}H_{64}O_{14}$ M_r 780.96 [4562-36-1]		
48950	puriss. M.P. 280-285° dec.; $[\alpha]_{546}^{20} + 4.5 \pm 0.5^\circ$ (c = 0.9 in Pyridine)	250 mg 12. —	1 g 40. —
48955	Glass wool for laboratory use purum p.a. $Na_2O < 0.1\%$	500 g 17. —	
	L-GLDH see 49389 Glutamate-Dehydrogenase		
48960	Gliadin from Wheat pract.; Ash $< 0.1\%$ $M_r \sim 27500$ [9007-90-3]	10 g 20. —	50 g 85. —
48980	β-Globulin human Fraction III $> 95\%$; pH 7.0; store in refrigerator (Human β -Globulin)	1 g 50. —	
	γ-Globulin human (Human γ -Globulin) purum lyophilised for laboratory use; store in refrigerator	250 mg 21. —	1 g 75. —
49000	γ-Globulin human (Human γ -Globulin) Fraction II $> 98\%$; pH 7.0; Ash $\sim 1\%$; store in refrigerator	250 mg 21. —	1 g 75. —
	α-Globulin from Bovine blood (Bovine α -Globulin) Cohn Fraction IV $> 95\%$; pH 7.0; store in refrigerator	1 g 25. —	
49030	γ-Globulin from Bovine blood (Bovine γ -Globulin) Cohn Fraction II $> 98\%$; pH 7.0; store in refrigerator	1 g 16. —	5 g 67. —
49070	(-)-Globulol puriss. M.P. 87-88°; $[\alpha]_{546}^{20} - 53 \pm 1^\circ$ (c = 1 in Diethyl ether) $C_{15}H_{26}O$ M_r 222.37 [489-41-8]	1 g 25. —	5 g 105. —
49090	Glucagon hydrochloride puriss. cryst.; store in refrigerator M_r 3521.5	10 mg Ampoule (contains 460 mg Lactose) 175. —	
	D-Glucoheptonic acid Calcium salt see 21160 Calcium D-heptagluconate		
	α-D-Glucoheptonic-γ-lactone see 51705 α -D-Heptagluconic acid- γ -lactone		
	D-Gluconate 6-phosphate Barium salt see 79450 6-Phosphogluconic acid Barium salt		
	D-Gluconic acid $HOCH_2(CHOH)_4COOH$ $C_6H_{12}O_7$ M_r 196.16 [526-95-4] techn. 50% in water; $[\alpha]_{546}^{20} + 14.4 \pm 3^\circ$ (c = 0.05 in water)	1 lt $\approx$ 1.26 kg	1 lt 14. — 5 lt 60. —
	D-Gluconic acid Calcium salt see 21142 Calcium D-gluconate		
49120	D(+) -Gluconic acid δ-lactone [D(+) -Dextronic acid δ -lactone; D(+) -Glucono-1,5-lactone] $HOCH_2CH(CHOH)_3COO$ $C_6H_{10}O_6$ M_r 178.14 [90-80-2] purum $\sim 99\%$ (T); $[\alpha]_{546}^{20} + 75.5 \pm 2^\circ$ (c = 4 in water)	250 g 9. —	1 kg 28. —
	D-Gluconic acid Magnesium salt see 63076 Magnesium D-gluconate		
	D-Gluconic acid Potassium salt see 60245 Potassium D-gluconate		
	D-Gluconic acid Sodium salt see 71550 Sodium D-gluconate		
	3-O-α-D-Glucopyranosyl-D-fructose see 93760 D(+) -Turanose		
	6-O-α-D-Glucopyranosyl-D-fructose see 75980 Palatinose		
	α-D-Glucopyranosyl-α-D-glucopyranoside see 90210 D(+) -Trehalose Dihydrate		
	4-O-α-D-Glucopyranosyl-D-glucose see 63420 D(+) -Maltose		
	4-O-β-D-Glucopyranosyl-D-glucose see 22150 D(+) -Cellobiose		
	6-O-β-D-Glucopyranosyl-D-glucose see 48790 Gentiobiose		
	2-O-β-D-Glucopyranosyl-α-D-glucoseoctaacetate see 85495 β -Sophorose-octaacetate		
	4-O-α-D-Glucopyranosyl-D-sorbitol see 63415 Maltitol		
49130	D(+) -Glucosamine hydrochloride (Chitosamine hydrochloride) $HOCH_2CH(CHOH)_2CH(NH_2)CH(OH)O.HCl$ $C_6H_{13}NO_5.HCl$ M_r 215.64 [66-84-2] puriss. $> 99\%$ (Cl); M.P. $> 300^\circ$; $[\alpha]_{546}^{20,20h} + 85 \pm 1^\circ$; $[\alpha]_D^{20,20h} + 72.5 \pm 1^\circ$ (c = 2 in water)	100 g 22. —	500 g 90. —
49132	D-Glucosaminic acid puriss. M.P. $> 300^\circ$ $C_6H_{13}NO_5$ M_r 195.17 [3646-68-2]	250 mg 13. —	1 g 45. —
49135	L(-)-Glucose puriss. $[\alpha]_{546}^{20,24h} - 62 \pm 2^\circ$; $[\alpha]_D^{20,24h} - 53 \pm 2^\circ$ (c = 10 in water) $HOCH_2CH(CHOH)_4O$ $C_6H_{12}O_6$ M_r 180.16 [921-60-8]	250 mg 14. —	1 g 50. —

		sFr.	sFr.
D(+) -Glucose anhydrous (Dextrose)			
	$\text{HOCH}_2\text{CH}(\text{CHOH})_4\text{O}$ $\text{C}_6\text{H}_{12}\text{O}_6$ M_r 180.16 [50-99-7]		
49140	puriss. p.a. for Bacteriology; M.P. 150-152°; $[\alpha]_{546}^{20/24h} + 62 \pm 2^\circ$; $[\alpha]_D^{20/24h} + 53 \pm 2^\circ$; (c = 10 in water); 1 g clearly soluble in 10 ml water	100 g 7.—	500 g 12.— 2.5 kg 50.—
	Fluka-Guarantee:		
	Loss on drying <0.1 %	Cadmium (Cd) <0.0001 %	
	Residue on ignition (as SO_4) <0.1 %	Zink (Zn) <0.0001 %	
	Chloride (Cl) <0.005 %	Iron (Fe) <0.0005 %	
	Sulfate (SO_4) <0.005 %	Cobalt (Co) <0.0001 %	
	Copper (Cu) <0.0001 %	Nickel (Ni) <0.0001 %	
	Lead (Pb) <0.0001 %	Arsen (As) <0.00001 %	
49150	purum Ph. Eur.; $[\alpha]_{546}^{20/24h} + 62 \pm 3^\circ$; $[\alpha]_D^{20/24h} + 53 \pm 3^\circ$ (c = 10 in water)	1 kg 12.—	5 kg 50.—
D(+) -Glucose Monohydrate			
	$\text{HOCH}_2\text{CH}(\text{CHOH})_4\text{O} \cdot \text{H}_2\text{O}$ $\text{C}_6\text{H}_{12}\text{O}_6 \cdot \text{H}_2\text{O}$ M_r 198.17 [5996-10-1]		
49159	puriss. p.a. for Bacteriology; $[\alpha]_{546}^{20/24h} + 57.5 \pm 1^\circ$; $[\alpha]_D^{20/24h} + 49.0 \pm 1^\circ$ (c = 10 in water); 1 g clearly and colourless soluble in 10 ml water	500 g 8.—	1 kg 14.—
	Fluka-Guarantee:		
	Residue on ignition (as SO_4) <0.1 %	Zink Zn <0.0001 %	
	Chloride (Cl) <0.005 %	Iron (Fe) <0.0005 %	
	Sulfate (SO_4) <0.005 %	Cobalt (Co) <0.0001 %	
	Copper (Cu) <0.0001 %	Nickel (Ni) <0.0001 %	
	Lead (Pb) <0.0001 %	Arsen (As) <0.00001 %	
	Cadmium (Cd) <0.0001 %		
49160	purum $[\alpha]_{546}^{20/24h} + 57.5 \pm 1^\circ$; $[\alpha]_D^{20/24h} + 49.0 \pm 1^\circ$ (c = 4 in water); Ash <0.1 %	1 kg 8.—	5 kg 29.—
Glucose Oxidase ex molds, GOD (EC 1.1.3.4) [9001-37-0]			
49180	purified alcohol-dried powder; 20U/mg (25°C; Glucose as Substrate); $\text{Qo}_2 \sim 15000$ according to Kusai; Biochim. Biophysica Acta 40, 555 (1960)	250 mg 16.—	1 g 55.—
α-D-Glucose pentaacetate (1,2,3,4,6-Penta-O-acetyl- α -D-glucopyranose)			
	$\text{CH}_3\text{COOCH}_2\text{CH}(\text{CHOCOCH}_3)_4\text{O}$ $\text{C}_{16}\text{H}_{22}\text{O}_{11}$ M_r 390.35 [604-68-2]		
49200	puriss. for Bacteriology; M.P. 111-113°; $[\alpha]_{546}^{20} + 119 \pm 2^\circ$; $[\alpha]_D^{20} + 100 \pm 2^\circ$ (c = 5 in Chlf.)	25 g 13.—	100 g 45.—
β-D-Glucose pentaacetate (1,2,3,4,6-Penta-O-acetyl- β -D-glucopyranose)			
	$\text{CH}_3\text{COOCH}_2\text{CH}(\text{CHOCOCH}_3)_4\text{O}$ $\text{C}_{16}\text{H}_{22}\text{O}_{11}$ M_r 390.35 [604-69-3]		
49210	purum for Bacteriology; M.P. 130-132°; $[\alpha]_{546}^{20} + 5 \pm 0.5^\circ$; $[\alpha]_D^{20} + 4 \pm 0.5^\circ$ (c = 5 in Chlf.); Ash <0.05 %	100 g 14.—	500 g 60.—
α-D-Glucose 1-phosphate Dipotassium salt , G-1-P- K_2 (Cori-ester Dipotassium salt)			
	$\text{HOCH}_2\text{CH}(\text{CHOH})_3\text{CH}(\text{OPO}_3\text{K}_2)\text{O} \cdot 2\text{H}_2\text{O}$ $\text{C}_6\text{H}_{11}\text{K}_2\text{O}_9\text{P} \cdot 2\text{H}_2\text{O}$ M_r 372.36 [6736-77-2]		
49220	puriss. cryst. >99% (NT); G-1-P (M_r 260.2) 68.5% (enzymatic); $[\alpha]_{546}^{20} + 91 \pm 2^\circ$ (c = 8 in water); store in refrigerator	10 g 28.—	50 g 120.—
α-D-Glucose 1-phosphate Disodium salt , G-1-P- Na_2 (Cori-ester Disodium salt)			
	$\text{HOCH}_2\text{CH}(\text{CHOH})_3\text{CH}(\text{OPO}_3\text{Na}_2)\text{O} \cdot 4\text{H}_2\text{O}$ $\text{C}_6\text{H}_{11}\text{Na}_2\text{O}_9\text{P} \cdot 4\text{H}_2\text{O}$ M_r 376.17 [56401-20-8]		
49230	purum cryst. >98% (NT); G-1-P (M_r 260.2) 67.8% (enzymatic); $[\alpha]_{546}^{20} + 93 \pm 2^\circ$ (c = 1 in water); store in refrigerator	1 g 7.—	5 g 13.— 25 g 55.—
D-Glucose 6-phosphate Barium salt Heptahydrate , G-6-P- $\text{Ba} \cdot 7\text{H}_2\text{O}$			
	$\text{BaO}_3\text{POCH}_2\text{CH}(\text{CHOH})_4\text{O} \cdot 7\text{H}_2\text{O}$ $\text{C}_6\text{H}_{11}\text{BaO}_9\text{P} \cdot 7\text{H}_2\text{O}$ M_r 521.57 [58823-95-3]		
49240	puriss. cryst. >99% (NT); G-6-P (M_r 260.2) 48.9% (enzymatic); $[\alpha]_{546}^{20} + 24 \pm 1^\circ$; $[\alpha]_D^{20} + 21 \pm 1^\circ$ (c = 1 in HCl); store in refrigerator	1 g 25.—	5 g 105.—
D-Glucose 6-phosphate Dehydrogenase , G-6-PDH ex yeast (EC 1.1.1.49) [9001-40-5]			
49270	p.a. Suspension in 3.2 M Ammoniumsulfate solution; pH ~6; ~140 U/mg (25°C; Glucose-6-P as Substrate); store in refrigerator	1 mg (1 ml) 35.—	5 mg (1 ml) 125.—
D-Glucose 6-phosphate Disodium salt , G-6-P- Na_2			
	$\text{Na}_2\text{O}_3\text{POCH}_2\text{CH}(\text{CHOH})_4\text{O}$ $\text{C}_6\text{H}_{11}\text{Na}_2\text{O}_9\text{P}$ M_r 304.10 [3671-99-6]		
49280	purum G-6-P (M_r 260.2) 77% (enzymatic) + 5-10% water; $[\alpha]_{546}^{20} + 26 \pm 1^\circ$; $[\alpha]_D^{20} + 22 \pm 1^\circ$ (c = 1 in water); store in refrigerator	100 mg 7.—	1 g 28.—
β-D-Glucose 6-phosphate Sodium salt , G-6-P- Na			
	$\text{NaHO}_3\text{POCH}_2\text{CH}(\text{CHOH})_4\text{O}$ $\text{C}_6\text{H}_{12}\text{NaO}_9\text{P}$ M_r 282.12 [54010-71-8]		
49282	puriss. anhydrous cryst. >98% (NT); M.P. 204-207° dec.; $[\alpha]_{546}^{20} + 40 \pm 1^\circ$; $[\alpha]_D^{20} + 34 \pm 1^\circ$ (c = 10 in water); store in refrigerator	1 g 40.—	



		sFr.	sFr.
	β-Glucosidase ex Almonds (EC 3.2.1.21) [9001-22-3]		
49290	purum powder lyophilized salt free 1000 U/mg + traces α-Galactosidase and α-Mannosidase; store in refrigerator	250 mg 21. —	1 g 75. —
	β-D-Glucothiose pentaacetate (1,2,3,4,6-Pentaacetyl-1-thio-β-D-glucopyranose; 1-Thio-β-D-glucose pentaacetate) $\text{CH}_3\text{COSCH}(\text{CHOCOCH}_3)_3\text{CH}(\text{CH}_2\text{OCOCH}_3)\text{O}$ $\text{C}_{16}\text{H}_{22}\text{O}_{10}\text{S}$ M_r 406.41 [13639-50-4]		
49300	purum M.P. 118-120°; $[\alpha]_{546}^{20} + 12.5 \pm 1^\circ$ (c = 5 in sym.-Tetrachloroethane)	1 g 25. —	
	D(+) -Glucuronic acid γ-lactone (D-Glucurono-6,3-lactone) $\text{OHCCH}(\text{OH})\text{CH}(\text{CHOH})_2\text{COO}$ $\text{C}_6\text{H}_8\text{O}_6$ M_r 176.13 [32449-92-6]		
49340	purum M.P. ~175° dec.; $[\alpha]_{546}^{20,24h} + 22.0 \pm 1^\circ$; $[\alpha]_D^{20,24h} + 18.5 \pm 1^\circ$ (c = 10 in water)	25 g 9. —	100 g 30. —
	D-Glucuronic acid Sodium salt (Sodium-D-glucuronate) $\text{O}(\text{CHOH})_4\text{CHCOONa} \cdot \text{H}_2\text{O}$ $\text{C}_6\text{H}_9\text{NaO}_7 \cdot \text{H}_2\text{O}$ M_r 234.14 [14984-34-0]		
71560	puriss. >99%(NT); $[\alpha]_{546}^{20,2h} + 24 \pm 2^\circ$; $[\alpha]_D^{20,2h} + 21 \pm 1^\circ$ (c = 2 in water)	50 g 29. —	
	β-Glucuronidase from Liver (EC 3.2.1.31) [9001-45-0]		
49310	purum ~270 U/mg according to Fishman; store in refrigerator	250 mg 85. —	
	β-Glucuronidase ex Patella barbara (EC 3.2.1.31) [9001-45-0]		
49320	purum powder lyophilized + 20% Sorbitol; ~2000 U/mg according to Fishman; store in refrigerator 1 ampoule contains 100 000 Fishman-units	28. —	
	D-Glucurono-6,3-lactone see 49340 D(+) -Glucuronic acid γ-lactone		
49360	Glutaconic acid purum >97%(T); M.P. 133-135° $\text{HOOCCH}_2\text{CH:CHCOOH}$ $\text{C}_6\text{H}_6\text{O}_4$ M_r 130.10 [1724-02-3]	5 g 34. —	25 g 145. —
	Glutamate-Dehydrogenase ex bovine liver (L-GLDH; L-Glutamic dehydrogenase) (EC 1.4.1.3) [9029-12-3]		
49389	purum p.a. Crystal suspension in 2.0 M Ammoniumsulfate-solution: pH~7; ~90 U/mg (25°C; α-Oxoglutarate as Substrate); store in refrigerator	20 mg (1 ml) 35. —	
49392	freeze dried, contains lactose; free of ammonium and glycerol; 30 U/mg material; 90 U/mg Proteine; store in refrigerator	100 mg 40. —	1 g 320. —
	Glutamate Oxalacetate Transaminase ex pig heart (L-GOT; L-Glutamic oxalacetic transaminase) (EC 2.6.1.1) [9014-18-0]		
49400	p.a. Suspension in 3.2 M Ammoniumsulfate solution; pH ~6; 2.5 mM α-Oxoglutarate 50 mM Maleate ~200 U/mg (25°C; L-Aspartate and α-Oxoglutarate as Substrate); store in refrigerator	10 mg (1 ml) 160. —	
	L-Glutamic acid (2-Aminoglutaric acid) $\text{HOOCCH}_2\text{CH}_2\text{CH}(\text{NH}_2)\text{COOH}$ $\text{C}_5\text{H}_9\text{NO}_4$ M_r 147.13 [56-86-0]		
49450	puriss. p.a. $[\alpha]_{546}^{20} + 37.0 \pm 0.5^\circ$; $[\alpha]_D^{20} + 31.0 \pm 0.5^\circ$ (c = 5 in 5n HCl) Fluka-Guarantee:	100 g 8. —	250 g 16. — 1 kg 55. —
	Assay >99.0% Ammonium (NH ₄) <0.01 % Other amino acids <0.3 % Copper (Cu) <0.0001% Loss on drying <0.1 % Lead (Pb) <0.0001% Residue on ignition (as SO ₄) <0.1 % Iron (Fe) <0.0005% Chloride (Cl) <0.05% Zinc (Zn) <0.001 % Sulfate (SO ₄) <0.01% Cadmium (Cd) <0.0001%		
	D-Glutamic acid $\text{HOOCCH}_2\text{CH}_2\text{CH}(\text{NH}_2)\text{COOH}$ $\text{C}_5\text{H}_9\text{NO}_4$ M_r 147.13 [6893-26-1]		
49460	puriss. CHR >99%(NT); M.P. ~200° dec.; $[\alpha]_{546}^{20} - 37 \pm 2^\circ$; $[\alpha]_D^{20} - 31 \pm 2^\circ$ (c = 5 in 5n HCl)	10 g 30. —	50 g 125. —
49470	DL-Glutamic acid anhydrous puriss. CHR; ~99%(NT); Ash <0.05% $\text{HOOCCH}_2\text{CH}_2\text{CH}(\text{NH}_2)\text{COOH}$ $\text{C}_5\text{H}_9\text{NO}_4$ M_r 147.13 [617-65-2]	25 g 18. —	100 g 65. —
49480	DL-Glutamic acid Monohydrate puriss. CHR; >99%(NT); M.P. 180-185° dec. $\text{HOOCCH}_2\text{CH}_2\text{CH}(\text{NH}_2)\text{COOH} \cdot \text{H}_2\text{O}$ $\text{C}_5\text{H}_9\text{NO}_4 \cdot \text{H}_2\text{O}$ M_r 165.15 [617-65-2]	50 g 24. —	250 g 100. —
	Glutamic acid-5-amide see 49420 and 49430 L- and D-Glutamine		
	L-Glutamic acid 5-benzylester $\text{C}_6\text{H}_5\text{CH}_2\text{OCOCH}_2\text{CH}_2\text{CH}(\text{NH}_2)\text{COOH}$ $\text{C}_{12}\text{H}_{19}\text{NO}_4$ M_r 237.26 [1676-73-9]		
49510	puriss. >99%(T); M.P. 178-180°; $[\alpha]_{546}^{20} + 23 \pm 2^\circ$; $[\alpha]_D^{20} + 19 \pm 2^\circ$ (c = 1 in acetic acid); store in refrigerator	1 g 10. —	5 g 40. — 25 g 165. —



		sFr.	sFr.
	L-Glutamic acid 5-tert-butylester-1-methylester hydrochloride (CH ₃) ₃ COCOCH ₂ CH ₂ CH(NH ₂)COOCH ₃ .HCl C ₁₀ H ₁₉ NO ₄ .HCl M _r 253.73 [6234-01-1]		
49520	puriss. >99% (Cl); M.P. 127-128°; [α] ₅₄₆ ²⁰ + 32±1°; [α] _D ²⁰ + 27±1° (c = 2 in Methanol)	1 g 25. —	
	L-Glutamic acid Calcium salt see 21151 Calcium L-glutamate Tetrahydrate		
	L-Glutamic acid dibenzylester toluene-4-sulfonate C ₆ H ₅ CH ₂ OCOCH ₂ CH ₂ CH(NH ₂)COOCH ₂ C ₆ H ₅ .CH ₃ C ₆ H ₄ SO ₃ H C ₁₉ H ₂₁ NO ₄ .C ₇ H ₉ O ₃ S M _r 499.54 [2791-84-6]		
49553	puriss. M.P. 141-142°; [α] ₅₄₆ ²⁰ + 8.5±0.5° (c = 2 in Methanol)	5 g 29. —	25 g 120. —
	L-Glutamic acid di-tert-butylester Dibenzenesulfimide salt (CH ₃) ₃ COCOCH ₂ CH ₂ CH(NH ₂)COOC(CH ₃) ₃ .C ₁₂ H ₁₁ NO ₄ S ₂ C ₁₃ H ₂₅ NO ₄ .C ₁₂ H ₁₁ NO ₄ S ₂ M _r 556.61 [16874-06-9] (free amine)		
49555	puriss. CHR M.P. 139-141° dec.; [α] ₅₄₆ ²⁰ + 14±1°; [α] _D ²⁰ + 12±1° (c = 2 in Methanol)	1 g 18. —	5 g 75. —
	L-Glutamic acid diethyl ester hydrochloride C ₂ H ₅ OCOCH ₂ CH ₂ CH(NH ₂)COOC ₂ H ₅ .HCl C ₉ H ₁₇ NO ₄ .HCl M _r 239.70 [1118-89-4]		
49550	puriss. >99% (Cl); M.P. 109-111°; [α] ₅₄₆ ²⁰ + 26.0±1°; [α] _D ²⁰ + 22.0±1° (c = 5 in Ethanol)	10 g 25. —	50 g 105. —
	L-Glutamic acid dimethyl ester hydrochloride CH ₃ OCOCH ₂ CH ₂ CH(NH ₂)COOCH ₃ .HCl C ₇ H ₁₃ NO ₄ .HCl M _r 211.65 [23150-65-4]		
49560	puriss. >99% (Cl); M.P. 89-90°; [α] ₅₄₆ ²⁰ + 30.5±0.5°; [α] _D ²⁰ + 26.0±0.5° (c = 5 in water)	10 g 25. —	50 g 105. —
	L-Glutamic acid 5-ethyl ester C ₂ H ₅ OCOCH ₂ CH ₂ CH(NH ₂)COOH C ₇ H ₁₃ NO ₄ M _r 175.19 [1119-33-1]		
49490	puriss. >99% (T); M.P. 178-179° dec.; [α] ₅₄₆ ²⁰ - 15.5±0.5°; [α] _D ²⁰ - 12.5±0.5° (c = 6 in water); store in refrigerator	10 g 25. —	50 g 105. —
	L-Glutamic acid hydrochloride HOOCCH ₂ CH ₂ CH(NH ₂)COOH.HCl C ₅ H ₉ NO ₄ .HCl M _r 183.60 [138-15-8]		
49570	puriss. CHR; >99% (Cl); M.P. ~203° dec.; [α] ₅₄₆ ²⁰ + 28.5±0.5°; [α] _D ²⁰ + 23.5±0.5° (c = 6 in water); Ash <0.05%	250 g 14. —	1 kg 50. —
	DL-Glutamic acid hydrochloride HOOCCH ₂ CH ₂ CH(NH ₂)COOH.HCl C ₅ H ₉ NO ₄ .HCl M _r 183.60 [15767-75-6]		
49590	puriss. CHR; >99% (Cl); M.P. 196-197° dec.	50 g 18. —	
	L-Glutamic acid 5-methyl ester CH ₃ OCOCH ₂ CH ₂ CH(NH ₂)COOH C ₆ H ₁₁ NO ₄ M _r 161.16 [1499-55-4]		
49610	puriss. >99% (NT); M.P. ~185° dec.; [α] ₅₄₆ ²⁰ + 35±1° (c = 2 in 6n HCl); store in refrigerator	25 g 22. —	100 g 80. —
	L-Glutamic acid Monopotassium salt (Potassium L-glutamate) KOOCCCH ₂ CH ₂ CH(NH ₂)COOH C ₆ H ₈ KNO ₄ M _r 185.23 [19473-49-5]		
49601	pract. >90% (NT); [α] ₅₄₆ ²⁰ - 2.8±0.3°; [α] _D ²⁰ - 2.5±0.3° (c = 15 in water); H ₂ O 5-10%	100 g 9. —	500 g 32. —
	L-Glutamic acid Monosodium salt (Sodium L-glutamate) NaOOCCH ₂ CH ₂ CH(NH ₂)COOH C ₆ H ₈ NNaO ₄ M _r 187.14 [142-47-2]		
49621	purum >98% (NT); M.P. ~165° dec.; [α] ₅₄₆ ²⁰ - 5.0±0.3°; [α] _D ²⁰ - 4.0±0.3° (c = 1.25 in water)	250 g 9. —	1 kg 28. —
	L-Glutamic acid 1-(4-nitroanilide) HOOCCH ₂ CH ₂ CHNH ₂ CONHC ₆ H ₄ NO ₂ C ₁₁ H ₁₃ N ₃ O ₆ M _r 267.24 [24032-35-7]		
49622	puriss. ~99% (T); M.P. 184-186° dec.; [α] ₅₄₆ ²⁰ + 45±1°; [α] _D ²⁰ + 37±1° (c = 2 in 0.5n HCl)	250 mg 29. —	1 g 105. —
49623	L-Glutamic acid 5-(4-nitroanilide) puriss. CHR >99% (NT); M.P. 186-188° NO ₂ C ₆ H ₄ NHOCCH ₂ CH ₂ CHNH ₂ COOH.H ₂ O C ₁₁ H ₁₃ N ₃ O ₆ .H ₂ O M _r 285.25 [7300-59-6]	250 mg 13. —	1 g 45. —
	L-Glutamic Decarboxylase (EC 4.1.1.15) [9024-58-2]		
49530	purum Qco ₂ ml/mg.h >100; store in refrigerator	250 mg 21. —	1 g 75. —

sFr.

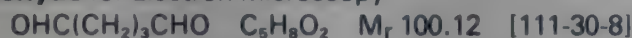
sFr.

L-Glutamic oxalacetic transaminase see 49400 Glutamate Oxalacetate Transaminase**L(+)-Glutamine** (Glutamic acid 5-amide)

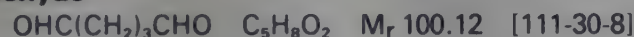
49420	puriss. p.a. $[\alpha]_{546}^{20} + 39.0 \pm 2^\circ$; $[\alpha]_D^{20} + 33.0 \pm 2^\circ$ (c = 5 in 5n HCl)	25 g 9. —	100 g 25. —	500 g 105. —
	Fluka-Guarantee:			
	Assay	>99.0%	Copper (Cu)	<0.0001%
	Other amino acids	<0.3 %	Lead (Pb)	<0.0001%
	Loss on drying	<0.1 %	Iron (Fe)	<0.0005%
	Residue on ignition (as SO ₄)	<0.1 %	Zinc (Zn)	<0.0001%
	Chloride (Cl)	<0.01%	Cadmium (Cd)	<0.0001%
	Sulfate (SO ₄)	<0.1 %		



49430	D(-)-Glutamine purum $[\alpha]_{546}^{20} - 39 \pm 2^\circ$ (c = 5 in 5n HCl); contains ~2% Glutamic acid $\text{NH}_2\text{COCH}_2\text{CH}_2\text{CH}(\text{NH}_2)\text{COOH} \quad \text{C}_5\text{H}_{10}\text{N}_2\text{O}_3 \quad M_r 146.15 \quad [5959-95-5]$	1 g 30. —	5 g 125. —
-------	---	-----------	------------

γ-L-Glutamyl-L-cysteinyl-glycine see 49750 L-Glutathione reduced**Glutaraldehyde** for Electron Microscopy

49624	puriss. 8% in water; under Argon; store in refrigerator	1 lt ≈ 1.02 kg	25 ml 10. —	100 ml 32. —
49627			Set with 10 × 10 ml	80. —
49626	puriss. 25% in water; under Argon; store in refrigerator	1 lt ≈ 1.06 kg	25 ml 14. —	100 ml 50. —
49625			Set with 10 × 5 ml	60. —
49628	puriss. 50% in water; under Argon; store in refrigerator	1 lt ≈ 1.12 kg	10 ml 14. —	50 ml 60. —
49631			Set with 10 × 5 ml	80. —

Glutaraldehyde

49629	pract. 50% in water (~5.6 m/lt); store in refrigerator	1 lt ≈ 1.12 kg	250 ml 9. —	1 lt 30. —
49630	pract. 25% in water (~2.7 m/lt); store in refrigerator	1 lt ≈ 1.06 kg	250 ml 7. —	1 lt 16. —
				2.5 lt 35. —

49660	Glutaric acid purum ~98% (NT); M.P. 94-96°; Ash <0.1% (Dicarboxylic acid C ₅) $\text{HOOC}(\text{CH}_2)_3\text{COOH} \quad \text{C}_5\text{H}_8\text{O}_4 \quad M_r 132.12 \quad [110-94-1]$	100 g 18. —	500 g 75. —
-------	--	-------------	-------------

Glutaric acid monoethyl ester chloride [Ethyl 4-(chloroformyl)butyrate;

Ethyl glutaryl chloride]



49733	purum >98% (Cl); B.P. _{0.07} 68-70°; d_4^{20} 1.138; n_D^{20} 1.442	1 lt ≈ 1.14 kg	25 ml 26. —	100 ml 95. —
-------	--	----------------	-------------	--------------

Glutaric acid monomethylester chloride [Methyl 4-(chloroformyl)butyrate;

Methyl glutaryl chloride]



49735	purum >98% (Cl); B.P. _{0.1} 52-54°; d_4^{20} 1.191; n_D^{20} 1.445	1 lt ≈ 1.19 kg	25 ml 40. —	100 ml 145. —
-------	---	----------------	-------------	---------------

Glutaric anhydride

49670	purum ~98% (NT); M.P. 52-55°	50 g 18. —	250 g 75. —
49680	pract. >95% (NT); M.P. ~50-55°	250 g 22. —	1 kg 80. —

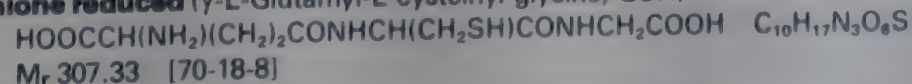
Glutaronitrile (1,3-Dicyanopropane)

49730	purum >98% (GC); B.P. 287°; d_4^{20} 0.984; n_D^{20} 1.436; Precursor of the appropriate amidate, a cross-linking agent for the modification of proteins via amidation according to Davies and Stark; G. E. Davies and G. R. Stark, Proc. Natl. Acad. Sci. US 66, 651 (1970)	1 lt ≈ 0.98 kg	25 ml 12. —	100 ml 40. —
-------	--	----------------	-------------	--------------

49710	Glutaryl chloride purum 8/22 $\text{ClCO}(\text{CH}_2)_3\text{COCl} \quad \text{C}_5\text{H}_8\text{Cl}_2\text{O}_2 \quad M_r 169.01 \quad [2873-74-7]$	1 lt ≈ 1.32 kg	25 ml 13. —	100 ml 45. —
-------	---	----------------	-------------	--------------

L-Glutathione oxidized (GSSG)

49740	puriss. ~97% (enzym.); $[\alpha]_{546}^{20} - 112 \pm 4^\circ$ (c = 2 in water); store in refrigerator	1 g 20. —	5 g 85. —
-------	--	-----------	-----------

L-Glutathione reduced (γ-L-Glutamyl-L-cysteinyl-glycine; GSH)

49750	puriss. >98% + ~2% Glutathione oxidized (enzymatic); $[\alpha]_{546}^{20} - 21.0 \pm 1.5^\circ$ (c = 2 in water); store in refrigerator	1 g 7. —	5 g 21. —	100 g 320. —
-------	---	----------	-----------	--------------

		sFr.	sFr.
	L(–)-Glyceraldehyde unnatural Form HOCH ₂ CH(OH)CHO C ₃ H ₆ O ₃ M _r 90.08 [497-09-6]		
49790	purum ~90% + ~10% H ₂ O; [α] _D ²⁰ – 14±2° (c = 2 in water); store in refrigerator	1 g 55. –	5 g 230. –
	D(+)-Glyceraldehyde HOCH ₂ CH(OH)CHO C ₃ H ₆ O ₃ M _r 90.08 [453-17-8]		
49800	purum ~Ha ≤ [α] _D ²⁰ + 14±2° (c = 2 in water); store in refrigerator	1 g 40. –	5 g 170. –
	DL-Glyceraldehyde HOCH ₂ CH(OH)CHO C ₃ H ₆ O ₃ M _r 90.08 [56-82-6]		
49810	purum cryst.; >97% (T); M.P. 133-138°; water ~1%; free acid <1%; store in refrigerator	1 g 7. –	5 g 24. – 25 g 100. –
	Glyceraldehyde 3-phosphate Dehydrogenase ex Rabbit muscle , GAP-DH (EC 1.2.1.12) [9001-50-7]		
49830	puriss. p.a. Crystalline suspension in 3.2 M Ammoniumsulfate solution; pH ~7.5; 0.1 mM EDTA; ~80 U/mg (25°C; Glycerate 1,3-P ₂ as Substrate); store in refrigerator		100 mg (10 ml) 145. –
	DL-Glyceraldehyde 3-phosphate diethyl acetal Barium salt , GAP-DA-Ba (C ₂ H ₅ O) ₂ CHCH(OH)CH ₂ OPO ₃ Ba C ₇ H ₁₅ BaO ₇ P M _r 379.51 [29902-73-6] (free acid)		
49840	puriss. 96%; D-GAP (enzymatic after hydrolysis) 21%; store in refrigerator		100 mg 50. –
	D-Glycerate 2- and 3-phosphate Barium salt see 79480 and 79490 D-2- and D-3-Phosphoglyceric acid Barium salt		
	Glyceric acid (2,3-Dihydroxypropionic acid) HOCH ₂ CH(OH)COOH C ₃ H ₆ O ₄ M _r 106.08 [473-81-4]		
50030	pract. ~65% in water; d ₄ ²⁰ 1.378; n _D ²⁰ 1.469	1 lt ≈ 1.38 kg	10 ml 13. – 50 ml 55. –

Glycerides see**"Lipids, Glycerides and Phosphoglycerides" green section**

	Glycerol anhydrous HOCH ₂ CH(OH)CH ₂ OH C ₃ H ₈ O ₃ M _r 92.10 [56-81-5]			
49770	puriss. p.a. dest.; B.P. _{0.1} 138-140°; d ₄ ²⁰ 1.261-1.263; n _D ²⁰ 1.473	1 lt ≈ 1.26 kg	250 ml 14. –	1 lt 50. –
	Fluka-Guarantee:			
	Assay (GC) >99.5 %	Test with H ₂ SO ₄	passes test	
	Water (H ₂ O) <0.1 %	Iron (Fe)	<0.00005%	
	Chloride (Cl) <0.0001%	Lead (Pb)	<0.00001%	
	Sulfate (SO ₄) <0.001 %	Cobalt (Co)	<0.00001%	
	Acroleine, Glucose and Ammonium compounds passes test	Nickel (Ni)	<0.00001%	
	Fatty acid ester <0.05 %	Copper (Cu)	<0.00001%	
	KMnO ₄ -reducing Substances passes test	Cadmium (Cd)	<0.00005%	
		Zinc (Zn)	<0.00001%	
49780	purum Ph. Helv.; >98% (GC); d ₄ ²⁰ 1.26; water <1%	1 lt ≈ 1.26 kg	1 lt 22. –	5 lt 90. –
49781	Glycerol purum DAB ~87% HOCH ₂ CH(OH)CH ₂ OH.aq C ₃ H ₈ O ₃ .aq M _r 92.10 + aq	1 lt ≈ 1.23 kg	500 ml 11. –	1 lt 20. –

Glycerol 1-allyl ether see 49841 3-Allyloxy-1,2-propanediol**α-Glycerol chlorohydrin** see 26080 3-Chloro-1,2-propanediol**Glycerol 1,3-diacetate** see 31431 Diacetin**Glycerol α,γ-dichlorohydrin** see 36280 1,3-Dichloro-2-propanol**rac-Glycerol 1,2-dihexadecyl ether** see 37164 DL-α,β-Dihexadecylglycerol**(S)-Glycerol 1,2-dihexadecyl ether** see 37163 D-α,β-Dihexadecylglycerol**Glycerol 1,3-dihexadecyl ether** see 37165 α,γ-Dihexadecylglycerol**Glycerol 1,2 + 1,3-dioleate** see 42496 Diolein**rac-Glycerol 1,2-dipalmitate** see 42554 DL-α,β-Dipalmitin**(S)-Glycerol 1,2-dipalmitate** see 42553 D-α,β-Dipalmitin**Glycerol 1,3-dipalmitate** see 42555 α,γ-Dipalmitin**rac-Glycerol 1,2-distearate** see 43697 DL-α,β-Distearin**(S)-Glycerol 1,2-distearate** see 43696 D-α,β-Distearin

sFr.

sFr.

Glycerol formal

$\text{OCH}_2\text{OCH}_2\text{CHCH}_2\text{OH} + \text{OCH}_2\text{OCH}_2\text{CH(OH)CH}_2$ $\text{C}_4\text{H}_8\text{O}_3$ M_r 104.11 [4740-78-7]

49920

purum >98% (GC); B.P.₂₀ 95-97°; d_4^{20} 1.218; n_D^{20} 1.451; ~75%

5-Hydroxy-1,3-dioxane + ~25% 4-Hydroxymethyl-1,3-dioxolane

1 lt ≈ 1.22 kg

100 ml 12. —

500 ml 50. —

Glycerol glycidol see 49931 Glycidol

(R)-Glycerol 1-hexadecyl ether see 52301 L-α-Hexadecylglycerol

rac-Glycerol 1-hexadecyl ether see 52302 DL-α-Hexadecylglycerol

Glycerol 2-hexadecyl ether see 52303 β-Hexadecylglycerol

rac-Glycerol 1-monoacetate see 49950 DL-α-Monoacetin

rac-Glycerol 1-monooleate see 49960 DL-α-Monoolein

rac-Glycerol 1-octadecyl ether see 11900 Batyl alcohol

(R)-Glycerol 1-palmitate see 76184 L-α-Palmitin

rac-Glycerol 1-palmitate see 76185 DL-α-Palmitin

Glycerol-1-phosphate Calcium salt (L-α-Glycerophosphate Calcium salt;

sn-Glycero-3-phosphate Calcium salt)

$\text{HOCH}_2\text{CH(OH)CH}_2\text{OPO}_3\text{Ca.H}_2\text{O}$ $\text{C}_3\text{H}_7\text{CaO}_6\text{P.H}_2\text{O}$ M_r 228.15 [126-95-4]

50042

purum

250 mg 40. —

1 g 170. —

Glycerol phosphate Calcium salt

$\text{C}_3\text{H}_7\text{CaO}_6\text{P.2H}_2\text{O}$ M_r 246.17 [1336-00-1]

50043

purum Ph. Helv.; mixture of α- and β-isomers

250 g 13. —

1 kg 45. —

DL-α-Glycerol phosphate Disodium salt (DL-α-Glycerophosphate Disodium salt;

di-Sodium α-glycerophosphate)

$\text{HOCH}_2\text{CH(OH)CH}_2\text{OPO}_3\text{Na.6H}_2\text{O}$ $\text{C}_3\text{H}_7\text{Na}_2\text{O}_6\text{P.6H}_2\text{O}$ M_r 324.13 [1555-56-2]

50010

purum >99% (NT); 1 g clearly soluble in 10 ml water

50 g 18. —

250 g 75. —

β-Glycerol phosphate Disodium salt (β-Glycerophosphate Disodium salt;

di-Sodium β-glycerophosphate)

$(\text{HOCH}_2)_2\text{CHOPO}_3\text{Na}_2.5\text{H}_2\text{O}$ $\text{C}_3\text{H}_7\text{Na}_2\text{O}_6\text{P.5H}_2\text{O}$ M_r 306.12 [819-83-0]

50020

purum ~97% (NT)

100 g 14. —

500 g 60. —

L(—)-Glycerol-phosphorylcholine Cadmiumchloride Complex (sn-Glycero-1-

phosphorylcholine Cadmiumchloride Complex)

$\text{C}_8\text{H}_{21}\text{NO}_6.\text{CdCl}_2$ M_r 410.56

50035

puriss.

250 mg 26. —

1 g 95. —

(R)-Glycerol 1-stearate see 85676 L-α-Stearin

rac-Glycerol 1-stearate see 85678 DL-α-Stearin

Glycerol triacetate see 90240 Triacetin

Glycerol triarachinate see 90601 Triarachin

Glycerol tribromohydrin see 90740 1,2,3-Tribromopropane

Glycerol tributyrate see 91010 Tributyrin

Glycerol tricaprinate see 91022 Tricaprin

Glycerol tricapronate see 91029 Tricaproin

Glycerol tricaprylate see 91039 Tricaprylin

Glycerol trilaurate see 92109 Trilaurin

Glycerol trimyristate see 92779 Trimyristin

Glycerol trioenanthate see 92855 Trioenanthin

Glycerol trioleate see 92859 Triolein

Glycerol tripalmitate see 92902 Tripalmitin

Glycerol tripelargonate see 92909 Tripelargonin

Glycerol tristearate see 93401 Tristearin

Glycerol triundecanoate see 93495 Triundecanin

			sFr.	sFr.
49931	Glycidol (2,3-Epoxy-1-propanol; Glycerolglycide) 3/4; 66° $\text{QCH}_2\text{CHCH}_2\text{OH}$ $\text{C}_3\text{H}_6\text{O}_2$ M_r 74.08 [556-52-5] purum >97%(GC); B.P. 162-165°; d_4^{20} 1.115; n_D^{20} 1.432; store in refrigerator; Review: W.M. Weigert, A. Kleemann, G. Schreyer, Chemiker Ztg. 99, 19 (1975)		1 lt $\approx$ 1.12 kg	100 ml 14. — 500 ml 60. —
01790	Glycidyl acrylate (Acrylic acid 2,3-epoxypropyl ester) $\text{CH}_2\text{:CHCOOCH}_2\text{CHCH}_2\text{O}$ $\text{C}_6\text{H}_8\text{O}_3$ M_r 128.13 [106-90-1] pract. 90-95%(GC); d_4^{20} 1.112; n_D^{20} 1.449; stab. with 0.02% Hydroquinone monomethyl ether		1 lt $\approx$ 1.11 kg	100 ml 15. — 500 ml 63. —
64161	Glycidyl methacrylate (Methacrylic acid 2,3-epoxypropyl ester) 3/4; 77° $\text{CH}_2\text{:C}(\text{CH}_3)\text{COOCH}_2\text{CHCH}_2\text{O}$ $\text{C}_7\text{H}_{10}\text{O}_3$ M_r 142.16 [106-91-2] techn. $\sim$ 95%(GC); B.P. 190-195°; d_4^{20} 1.078; n_D^{20} 1.450; stab. with 0.005% Hydroquinone monomethyl ether		1 lt $\approx$ 1.08 kg	100 ml 10. — 500 ml 42. —
50045	Glycidyltrimethylammonium chloride [(2,3-Epoxypropyl)trimethylammonium chloride] 8/12 $(\text{CH}_3)_3\text{N}(\text{Cl})\text{CH}_2\text{CHCH}_2\text{O}$ $\text{C}_6\text{H}_{14}\text{ClNO}$ M_r 151.63 [3033-77-0] purum >99%(Cl); M.P. 120-125° dec.			250 g 23. — 1 kg 85. —
50050	Glycine (Aminoacetic acid) $\text{NH}_2\text{CH}_2\text{COOH}$ $\text{C}_2\text{H}_5\text{NO}_2$ M_r 75.07 [56-40-6] puriss. CHR; >99%(NT); M.P. $\sim$ 250° dec.; Ash <0.05%; 1 g clearly soluble in 10 ml water	100 g 7. —	250 g 12. — 1 kg 20. —	1 kg 40. — 5 kg 85. —
50052	purum USP			
	"Glycine" see 56150 N-(4-Hydroxyphenyl)glycine			
76595	Glycine-d₅ purum >98 Atom% D (with Fluka-Guarantee) (Pentadeutero glycine) $\text{ND}_2\text{CD}_2\text{COOD}$ $\text{C}_2\text{D}_5\text{NO}_2$ M_r 80.10 [57817-88-6]		5 g 275. —	
50070	Glycinamide hydrochloride $\text{NH}_2\text{CH}_2\text{CONH}_2\cdot\text{HCl}$ $\text{C}_2\text{H}_6\text{N}_2\text{O}\cdot\text{HCl}$ M_r 110.54 [1668-10-6] purum >98%(Cl); M.P. 200° dec.; pK (20°) 8.20; 1 g clearly soluble in 10 ml water; for the reaction with activated carboxylic groups in proteins: Ph. H. Petra, Biochemistry 10, 3163 (1971); J. Forstner and J. F. Manery, Biochem. J. 125, 943 (1947)		10 g 12. —	50 g 50. —
50080	Glycine anhydride puriss. CHR $\sim$ 99%(N); M.P. $\sim$ 315° dec. (2,5-Piperazinedione) $\text{NHCOCH}_2\text{NHCOCH}_2$ $\text{C}_4\text{H}_6\text{N}_2\text{O}_2$ M_r 114.10 [106-57-0]		10 g 13. —	50 g 55. —
50051	Glycine benzyl ester toluene-4-sulfonate $\text{NH}_2\text{CH}_2\text{COOCH}_2\text{C}_6\text{H}_5\cdot\text{CH}_3\text{C}_6\text{H}_4\text{SO}_3\text{H}$ $\text{C}_9\text{H}_{11}\text{NO}_2\cdot\text{C}_7\text{H}_8\text{O}_3\text{S}$ M_r 337.39 [1738-76-7] puriss. $\sim$ 99%(T); M.P. 132-134°; 1 g clearly soluble in 10 ml Methanol		5 g 20. —	25 g 85. —
50085	Glycine tert-butyl ester Dibenzenesulfimide salt $\text{NH}_2\text{CH}_2\text{COOC}(\text{CH}_3)_3\cdot\text{C}_{12}\text{H}_{11}\text{NO}_4\text{S}_2$ $\text{C}_6\text{H}_{13}\text{NO}_2\cdot\text{C}_{12}\text{H}_{11}\text{NO}_4\text{S}_2$ M_r 428.53 [6456-74-2] (free ester) puriss. CHR >99%(S); M.P. $\sim$ 165° dec.		1 g 18. —	5 g 75. —
50100	Glycine Cresol Red [o-Cresolsulfonphthalein-3',3''-bis(methylaminoacetic acid Sodium salt)] $\text{C}_{27}\text{H}_{28}\text{N}_2\text{O}_9\text{S}$ (as acid) M_r 556.60 [4079-10-1] Standard Fluka Indicator for Complexometry; Chem. and Ind. 1624 (1957)		5 g 32. —	
50060	Glycine ethyl ester hydrochloride $\text{NH}_2\text{CH}_2\text{COOC}_2\text{H}_5\cdot\text{HCl}$ $\text{C}_4\text{H}_9\text{NO}_2\cdot\text{HCl}$ M_r 139.58 [623-33-6] puriss. >99%(Cl); M.P. 145-148°; Ash <0.05%; Fe <0.001%		100 g 14. — 250 g 22. —	500 g 60. — 1 kg 80. —
50061	purum >98%(Cl); M.P. 145-148°			
50109	Glycine methyl ester hydrochloride $\text{NH}_2\text{CH}_2\text{COOCH}_3\cdot\text{HCl}$ $\text{C}_3\text{H}_7\text{NO}_2\cdot\text{HCl}$ M_r 125.56 [5680-79-5] puriss. biochim. >99.5%(Cl); Ash <0.05%		50 g 34. —	250 g 145. —
50110	puriss. >99%(Cl); M.P. 175-176° dec.; Ash <0.05%		100 g 14. —	500 g 60. —
50120	Glycine Thymol Blue [Thymolsulfonphthalein-3',3''-bis(methylaminoacetic acid Sodium salt)] $\text{C}_{33}\text{H}_{40}\text{N}_2\text{O}_9\text{S}$ (as acid) M_r 640.77 [3810-63-7] Standard Fluka; Indicator for Complexometry; Chem. Listy 51, 1809 (1957)		5 g 24. —	25 g 100. —
50540	Glycocholic acid (Cholylglycine) $\text{C}_{26}\text{H}_{43}\text{NO}_8$ M_r 465.64 [475-31-0] purum $\sim$ 95%(T); $[\alpha]_{540}^{20} + 37.0 \pm 2^\circ$; $[\alpha]_{540}^{20} + 31.0 \pm 2^\circ$ (c = 1 in Ethanol); contains also $\sim$ 5% Cholic acid		1 g 50. —	5 g 230. —

			sFr.	sFr.
50560	Glycocyanine puriss. (Guanidinoacetic acid; N-Guanylglycine) $\text{NH}_2\text{C}(\text{:NH})\text{NHCH}_2\text{COOH}$ $\text{C}_3\text{H}_7\text{N}_3\text{O}_2$ M_r 117.11 [352-97-6]		10 g 8.—	50 g 26.—
	D(+)-Glycogen $(\text{C}_6\text{H}_{10}\text{O}_5)_n$ M_r 25 000-100 000 [9005-79-2]			
50571	purum M.P. 270-280° dec.; $[\alpha]_{546}^{20} + 212 \pm 5^\circ$; $[\alpha]_D^{20} + 185 \pm 5^\circ$ (c = 0.5 in water); Ash < 0.5%	1 g 7.—	10 g 38.—	50 g 160.—
	Glycol see 03750 Ethylene glycol			
	Glycolaldehyde (Hydroxyacetaldehyde) HOCH_2CHO $\text{C}_2\text{H}_4\text{O}_2$ M_r 60.05 [141-46-8]			
50580	purum > 989(T); M.P. ~ 75-78°; 1 g clearly and colourless in 10 ml water; store in refrigerator		1 g 12.—	5 g 50.—
	Glycol diacetate see 31470 Ethyleneglycol diacetate			
	"Glycol ether diamine tetraacetic acid" see 03780 Ethyleneglycol-O,O'-bis-(2-aminoethyl)- N,N,N',N'-tetraacetic acid			
	Glycolic acid (Hydroxyacetic acid) HOCH_2COOH $\text{C}_2\text{H}_4\text{O}_3$ M_r 76.05 [79-14-1]			
50590	puriss. cryst. > 99%(T); M.P. ~ 75°; Ash < 0.05%		100 g 25.—	500 g 105.—
50610	pract. ~ 55% in water	1 lt ≈ 1.32 kg	1 lt 16.—	5 lt 67.—
	Glycolic acid nitrile (Formaldehyde cyanohydrin; Hydroxyacetonitrile) 6.1/21 HOCH_2CN $\text{C}_2\text{H}_3\text{NO}$ M_r 57.05 [107-16-4]			
50640	pract. ~ 70% in water; d_4^{20} 1.072; n_D^{20} 1.383; stab. with 0.5% Phosphoric acid	1 lt ≈ 1.09 kg	50 ml 24.—	250 ml 100.—
	Glycyl-L-alanine $\text{NH}_2\text{CH}_2\text{CONHCH}(\text{CH}_3)\text{COOH}$ $\text{C}_5\text{H}_{10}\text{N}_2\text{O}_3$ M_r 146.15 [3695-73-6]			
50150	puriss. CHR ~ 99%(NT); M.P. ~ 235° dec.; $[\alpha]_{546}^{20} - 60 \pm 2^\circ$; $[\alpha]_D^{20} - 50 \pm 2^\circ$ (c = 8 in water); Ash < 0.05%		1 g 22.—	5 g 90.—
50160	Glycyl-DL-alanine puriss. CHR $\text{NH}_2\text{CH}_2\text{CONHCH}(\text{CH}_3)\text{COOH}$ $\text{C}_5\text{H}_{10}\text{N}_2\text{O}_3$ M_r 146.15 [926-77-2]		1 g 18.—	5 g 75.—
	Glycyl-L-aspartic acid $\text{NH}_2\text{CH}_2\text{CONHCH}(\text{COOH})\text{CH}_2\text{COOH}$ $\text{C}_6\text{H}_{10}\text{N}_2\text{O}_5$ M_r 190.16 [4685-12-5]			
50170	puriss. CHR > 99%(NT); M.P. ~ 205°; $[\alpha]_{546}^{20} + 14 \pm 1^\circ$; $[\alpha]_D^{20} + 12.5 \pm 1^\circ$ (c = 5 in water)		1 g 22.—	5 g 90.—
	Glycyl-L-glutamic acid $\text{NH}_2\text{CH}_2\text{CONHCH}(\text{COOH})\text{CH}_2\text{CH}_2\text{COOH}$ $\text{C}_7\text{H}_{12}\text{N}_2\text{O}_5$ M_r 204.18 [7412-78-4]			
50190	puriss. ~ 99%(NT); M.P. 150-153° dec.; $[\alpha]_{546}^{20} - 7 \pm 0.2^\circ$; $[\alpha]_D^{20} - 6 \pm 0.2^\circ$ (c = 5 in water); H_2O ~ 1%		1 g 35.—	
	Glycyl-glycine (Diglycine) $\text{NH}_2\text{CH}_2\text{CONHCH}_2\text{COOH}$ $\text{C}_4\text{H}_8\text{N}_2\text{O}_3$ M_r 132.12 [556-50-3]			
50200	puriss. CHR > 99%(NT); M.P. 220-240° dec.; Ash < 0.05%	5 g 8.—	25 g 26.—	100 g 95.—
50210	Glycyl-glycinamide hydrochloride puriss. CHR $\text{NH}_2\text{CH}_2\text{CONHCH}_2\text{CONH}_2 \cdot \text{HCl}$ $\text{C}_4\text{H}_9\text{N}_3\text{O}_2 \cdot \text{HCl}$ M_r 167.60 [20238-94-2] (free amide)		1 g 20.—	
50230	Glycyl-glycyl-L-alanine puriss. CHR $\text{NH}_2\text{CH}_2\text{CONHCH}_2\text{CONHCH}(\text{CH}_3)\text{COOH}$ $\text{C}_7\text{H}_{13}\text{N}_3\text{O}_4$ M_r 203.20 [19729-30-7]		1 g 75.—	
	Glycyl-glycyl-glycine (Triglycine) $\text{NH}_2\text{CH}_2\text{CONHCH}_2\text{CONHCH}_2\text{COOH}$ $\text{C}_6\text{H}_{11}\text{N}_3\text{O}_4$ M_r 189.17 [556-33-2]			
50240	puriss. CHR ~ 99%(NT); M.P. ~ 240-250° dec.; Ideal substrate for reproducible serum protein measurements by the Biuret reaction: B. Klein, Clin. Chem. 20, 70 (1974); substrate for the assay of aminotripeptidase: E. L. Smith, Meth. Enzymol. 2, 83 (1955)		5 g 29.—	25 g 120.—
	Glycyl-glycyl-glycyl-glycine see 87300 Tetraglycine			
	Glycyl-glycyl-glycyl-glycyl-glycine see 76790 Pentaglycine			
	Glycyl-L-histidine hydrochloride Hemihydrate $\text{NH}_2\text{CH}_2\text{CONHCH}(\text{COOH})\text{CH}_2\text{C}(\text{NH}_2)\text{CH}_2\text{NH}_2 \cdot \text{HCl} \cdot \frac{1}{2}\text{H}_2\text{O}$ $\text{C}_8\text{H}_{12}\text{N}_4\text{O}_3 \cdot \text{HCl} \cdot \frac{1}{2}\text{H}_2\text{O}$ M_r 257.68 [3486-76-8]			
50280	puriss. CHR; > 99%(Cl); $[\alpha]_{546}^{20} + 35.5 \pm 0.5^\circ$; $[\alpha]_D^{20} + 30.5 \pm 0.5^\circ$ (c = 2 in water)		1 g 45.—	

		sFr.	sFr.
50290	Glycyl-L-isoleucine puriss. $[\alpha]_D^{20} - 14 \pm 1^\circ$ (c = 3.5 in water) $\text{NH}_2\text{CH}_2\text{CONHCH}(\text{COOH})\text{CH}(\text{CH}_3)\text{CH}_2\text{CH}_3$ $\text{C}_8\text{H}_{16}\text{N}_2\text{O}_3$ M_r 188.23 [19461-38-2]	250 mg 14. —	1 g 50. —
	Glycyl-L-leucine $\text{NH}_2\text{CH}_2\text{CONHCH}(\text{COOH})\text{CH}_2\text{CH}(\text{CH}_3)_2$ $\text{C}_8\text{H}_{16}\text{N}_2\text{O}_3$ M_r 188.23 [869-19-2]		
50300	puriss. CHR >99%(NT); M.P. $\sim 250^\circ$ dec.; $[\alpha]_{546}^{20} - 42 \pm 2^\circ$; $[\alpha]_D^{20} - 35 \pm 2^\circ$ (c = 4 in water); Ash <0.05%	5 g 32. —	25 g 135. —
50320	Glycyl-DL-leucine puriss. CHR $\text{NH}_2\text{CH}_2\text{CONHCH}(\text{COOH})\text{CH}_2\text{CH}(\text{CH}_3)_2$ $\text{C}_8\text{H}_{16}\text{N}_2\text{O}_3$ M_r 188.23 [688-14-2]	5 g 32. —	
50330	Glycyl-L-leucinamide hydrochloride puriss. CHR $\text{NH}_2\text{CH}_2\text{CONHCH}(\text{CONH}_2)\text{CH}_2\text{CH}(\text{CH}_3)_2 \cdot \text{HCl}$ $\text{C}_8\text{H}_{17}\text{N}_3\text{O}_2 \cdot \text{HCl}$ M_r 223.70 [38173-66-9]	250 mg 14. —	1 g 50. —
	Glycyl-L-leucyl-L-tyrosine $\text{NH}_2\text{CH}_2\text{CONHCH}[\text{CH}_2\text{CH}(\text{CH}_3)_2]\text{CONHCH}(\text{COOH})\text{CH}_2\text{C}_6\text{H}_4\text{OH}$ $\text{C}_{17}\text{H}_{25}\text{N}_3\text{O}_5$ M_r 351.41 [4306-24-5]		
50340	puriss. CHR; M.P. ~ 235 - 240° dec.; $[\alpha]_{546}^{20} - 52 \pm 2^\circ$; $[\alpha]_D^{20} - 44 \pm 2^\circ$ (c = 1 in 1n HCl)	250 mg 35. —	1 g 130. —
	Glycyl-L-phenylalanine $\text{NH}_2\text{CH}_2\text{CONHCH}(\text{COOH})\text{CH}_2\text{C}_6\text{H}_5$ $\text{C}_{11}\text{H}_{14}\text{N}_2\text{O}_3$ M_r 222.25		
50370	puriss. CHR; >99%(NT); M.P. $\sim 264^\circ$ dec.; $[\alpha]_{546}^{20} + 49 \pm 2^\circ$; $[\alpha]_D^{20} + 42 \pm 2^\circ$ (c = 2 in water)	1 g 20. —	5 g 85. —
50380	Glycyl-DL-phenylalanine puriss. CHR $\text{NH}_2\text{CH}_2\text{CONHCH}(\text{COOH})\text{CH}_2\text{C}_6\text{H}_5$ $\text{C}_{11}\text{H}_{14}\text{N}_2\text{O}_3$ M_r 222.25 [721-66-4]	1 g 12. —	5 g 50. —
50410	Glycyl-L-phenylalanyl-L-phenylalanine puriss. CHR $\text{NH}_2\text{CH}_2\text{CONHCH}(\text{CH}_2\text{C}_6\text{H}_5)\text{CONHCH}(\text{CH}_2\text{C}_6\text{H}_5)\text{COOH}$ $\text{C}_{20}\text{H}_{23}\text{N}_3\text{O}_4$ M_r 369.42 [13116-21-7]	100 mg 25. —	500 mg 105. —
50420	Glycyl-L-proline puriss. CHR $\text{NH}_2\text{CH}_2\text{CON}(\text{CH}_2)_3\text{CHCOOH}$ $\text{C}_7\text{H}_{12}\text{N}_2\text{O}_3$ M_r 172.18 [704-15-4]	100 mg 7. —	1 g 40. —
50430	Glycyl-sarcosine puriss. CHR; >99%(T); M.P. 198-202° dec. $\text{NH}_2\text{CH}_2\text{CON}(\text{CH}_3)\text{CH}_2\text{COOH}$ $\text{C}_5\text{H}_{10}\text{N}_2\text{O}_3$ M_r 146.15 [29816-01-1]	1 g 32. —	5 g 135. —
50440	Glycyl-L-serine puriss. $[\alpha]_{546}^{20} - 10.5 \pm 0.5^\circ$ (c = 2 in water) $\text{NH}_2\text{CH}_2\text{CONHCH}(\text{COOH})\text{CH}_2\text{OH}$ $\text{C}_5\text{H}_{10}\text{N}_2\text{O}_4$ M_r 162.15 [7361-43-5]	250 mg 14. —	1 g 50. —
50450	Glycyl-L-tryptophan puriss. CHR; >99%(NT); $[\alpha]_{546}^{20} + 25 \pm 2^\circ$; $[\alpha]_D^{20} + 21 \pm 2^\circ$ (c = 9 in 1n HCl) $\text{NH}_2\text{CH}_2\text{CONHCH}(\text{COOH})\text{CH}_2\text{C}(\text{CHNH}\text{C}_6\text{H}_4)\text{aq}$ $\text{C}_{13}\text{H}_{15}\text{N}_3\text{O}_3 \cdot \text{aq}$ M_r 261.28 + aq [2390-74-1]	250 mg 17. —	1 g 60. —
50460	Glycyl-DL-tryptophan puriss. CHR $\text{NH}_2\text{CH}_2\text{CONHCH}(\text{COOH})\text{CH}_2\text{C}(\text{CHNH}\text{C}_6\text{H}_4)$ $\text{C}_{13}\text{H}_{15}\text{N}_3\text{O}_3$ M_r 261.28 [2189-26-6]	1 g 12. —	5 g 50. —
	Glycyl-L-tyrosine $\text{NH}_2\text{CH}_2\text{CONHCH}(\text{COOH})\text{CH}_2\text{C}_6\text{H}_4\text{OH}$ $\text{C}_{11}\text{H}_{14}\text{N}_2\text{O}_4$ M_r 238.25 [658-79-7]		
50471	purum CHR; $\sim 97\%$ (NT); M.P. 282-285° dec.; $[\alpha]_{546}^{20} + 56 \pm 1^\circ$ (c = 1 in water)	1 g 12. —	5 g 50. —
	Glycyl-L-valine $\text{NH}_2\text{CH}_2\text{CONHCH}(\text{COOH})\text{CH}(\text{CH}_3)_2$ $\text{C}_7\text{H}_{14}\text{N}_2\text{O}_3$ M_r 174.21 [1963-21-9]		
50480	puriss. CHR; >99%(NT); M.P. 252-254° dec.; $[\alpha]_{546}^{20} - 25 \pm 2^\circ$ $[\alpha]_D^{20} - 21 \pm 2^\circ$ (c = 1 in water)	1 g 12. —	5 g 50. —
	18β-Glycyrrhetic acid (Enoxolone) $\text{C}_{30}\text{H}_{40}\text{O}_4$ M_r 470.70 [471-53-4]		
50510	purum >98%(T); M.P. 294-296°; $[\alpha]_{546}^{20} + 195 \pm 3^\circ$; $[\alpha]_D^{20} + 162 \pm 3^\circ$ (c = 1 in Chlf.); 1 g clearly soluble in 20 ml Chloroform	5 g 24. —	25 g 100. —
	Glycyrrhizic acid Ammonium salt [3-O-(2-O- β -D-Glucopyranuronosyl- α -D-glucopyranuronosyl)- 18 β -glycyrrhetic acid Ammonium salt] $\text{C}_{42}\text{H}_{68}\text{NO}_{16}$ M_r 839.98 [53956-04-0]		
50531	purum $\sim 95\%$ (NT); $[\alpha]_{546}^{20} + 59 \pm 2^\circ$; $[\alpha]_D^{20} + 48 \pm 2^\circ$ (c = 1 in Ethanol/water 1:1); Ash <0.1%; 2-4% water	10 g 20. —	50 g 85. —

mono-Glyme see 38570 1,2-Dimethoxyethane

			sFr.	sFr.
	Glyoxal			
	OHCCCHO C ₂ H ₂ O ₂ M _r 58.04 [107-22-2]			
50655	pract. polymer ~85%(T); M.P. 140-150° dec.		250 g 12. —	1 kg 40. —
50660	pract. ~40% in water (~8.8 m/lit); d ₄ ²⁰ 1.270; n _D ²⁰ 1.407; store in refrigerator	1 lt ≈ 1.27 kg	1 lt 16. —	5 lt 67. —
50670	pract. ~30% in water (~6.2 m/lit); d ₄ ²⁰ 1.200; n _D ²⁰ 1.388; store in refrigerator	1 lt ≈ 1.20 kg	1 lt 15. —	5 lt 63. —
	Glyoxal-bis(2-hydroxyanil) (Calcium Red)			
	HOC ₆ H ₄ N:CHCH:NC ₆ H ₄ OH C ₁₄ H ₁₂ N ₂ O ₂ M _r 240.26 [1149-16-2]			
50680	puriss. p.a. >99%(UV); M.P. ~205° dec.; 1 g clearly soluble in 20 ml Dioxane; For complexometric determination of Ca; Anal. Chim. Acta 21, 339 (1959); Anal. Chem. 33, 244 (1961); for complexometric determination of N; Angew. Chemie 71, 426 (1959)		10 g 10. —	50 g 37. —
	Glyoxaldioxime see 50700 Glyoxime			
	Glyoxaline see 56750 Imidazole			
	Glyoxime (Glyoxaldioxime)			
	4.1 HON:CHCH:NOH C ₂ H ₄ N ₂ O ₂ M _r 88.07 [557-30-2]			
50700	puriss. p.a. wetted with ~20% water; M.P. 178-180° (dry); Ash <0.05%		10 g 20. —	50 g 85. —
	Glyoxylic(acid)diureide see 95670 Allantoin			
	Glyoxylic acid 50% solution in water			
	OHCCOOH.aq C ₂ H ₂ O ₃ .aq M _r 74.05 + aq [298-12-4]			
50711	purum d ₄ ²⁰ 1.336; n _D ²⁰ 1.415; store in refrigerator; For the specific transamination of α-amino groups in proteins in order to determine the resultant carbonyl groups with 2,4-dinitrophenylhydrazine: H. B. F. Dixon and R. Fields, Methods in Enzymology, Vol. XXVb, 409 (1972)	1 lt ≈ 1.33 kg	250 ml 14. —	1 lt 50. —
	Glyoxylic acid ethyl ester diethyl acetal see 31638 Ethyl diethoxyacetate			
	Glyoxylic acid ethyl ester diethyl mercaptal (Ethyl diethylmercaptoacetate)			
	3/3; 25° (C ₂ H ₅ S) ₂ CHCOOC ₂ H ₅ C ₈ H ₁₆ O ₂ S ₂ M _r 208.34 [20461-95-4]			
50708	purum >98%(GC); B.P. _{0.1} 70°; d ₄ ²⁰ 1.071; n _D ²⁰ 1.498; Reagent for Synthesis of 1,4 Dicarbonyl derivatives; R. J. Cregge, J. L. Herrmann, J. E. Richman, R. F. Romanet, R. H. Schlessinger, Tetrahedron Lett. 2595 (1973)	1 lt ≈ 1.07 kg	5 ml 24. —	25 ml 100. —
	Glyoxylic acid ethyl ester ethylene mercaptal see 43798 Ethyl 1,3-dithiolane-2-carboxylate			
	Glyoxylic acid Monohydrate			
	OHCCOOH.H ₂ O C ₂ H ₂ O ₃ .H ₂ O M _r 92.05 [298-12-4]			
50710	purum >98%(T); M.P. ~65°; 1 g clearly soluble in 10 ml water; store in refrigerator		50 g 20. —	250 g 85. —
50740	Glyoxylic acid Sodium salt purum >99%(T) OHCCOONa.H ₂ O C ₂ HNaO ₃ .H ₂ O M _r 114.03 [2706-75-4]		10 g 11. —	50 g 46. —
	3'(+2')-GMP-Na₂ see 51080 Guanosine 3'(+2')-monophosphate Disodium salt			
	5'-GMP see 51110 Guanosine 5'-monophosphoric acid			
	5'-GMP-Na₂ see 51090 Guanosine 5'-monophosphate Disodium salt			
	GOD see 49180 Glucose Oxidase			
	Gold-Sponge			
	Au A _r 196.97 [7440-57-5]			
50750	puriss. 99.9995%; Ag <0.1 ppm, Cu <0.1 ppm, Fe <0.2 ppm, Ni <0.9 ppm, Pb <0.05 ppm, Zn <0.05 ppm		1 g 115. —	
	Gold (Coating quality BALZERS)			
50762	99.99% Wire diameter 2 mm		1 g 95. —	10 g 760. —
50763	99.99% Mesh size 0.2-0.7 mm		1 g 95. —	10 g 760. —
50764	99.99% Wire diameter 1 mm		1 g 95. —	10 g 760. —
50770	Gold(III) bromide purum 43% Au AuBr ₃ .aq M _r 436.69 + aq [10294-28-7]		1 g 75. —	

		sFr.	sFr.
	Gold chloride [Tetrachloroauric(III) acid] HAuCl ₄ .aq AuCl ₄ H.aq M _r 339.79 + aq [16903-35-8]		
50780	purum 51.5% Au brown	1 g 75.—	5 g 315.—
50790	purum 50% Au yellow	1 g 70.—	5 g 295.—
50800	purum cryst. 48% Au	1 g 70.—	5 g 295.—
50810	Gold(II) cyanide purum 88% Au 6.1/31a AuCN CAuN M _r 222.98 [506-65-0]	1 g 90.—	5 g 380.—
50820	Gold(III) iodide purum ~38.6% Au AuI ₃ M _r 577.68	1 g 65.—	5 g 275.—
50830	Gold(III) oxide purum 89% Au Au ₂ O ₃ M _r 441.93 [1303-58-8]	1 g 115.—	
	G-Orange (Orange G-4'-carboxaldehyde) 4-OHCC ₆ H ₄ N:N-1-C ₁₀ H ₄ -2-OH-6,8-(SO ₃ Na) ₂ C ₁₇ H ₁₀ N ₂ Na ₂ O ₆ S ₂ M _r 480.39 [1936-15-8]		
50840	Standard Fluka; determination: Hydrazine, Aldehyde; Z. analyt. Chem. 140, 184 (1953)	25 g 20.—	100 g 70.—
	GOT see 49400 Glutamate-Oxalacetate Transaminase ex pig heart		
	G-6-P-Ba.7H₂O see 49240 D-Glucose 6-phosphate Barium salt heptahydrate		
	G-6-PDH ex yeast see 49270 D-Glucose 6-phosphate Dehydrogenase		
	G-1-P-K₂ see 49220 D-Glucose 1-phosphate Dipotassium salt		
	G-1-P-Na₂ see 49230 D-Glucose 1-phosphate Disodium salt		
	G-6-P-Na see 49282 D-Glucose 6-phosphate Sodium salt		
	G-6-P-Na₂ see 49280 D-Glucose 6-phosphate Disodium salt		
50850	Gramicidin D purum N.F. XI; M.P. 240-245°	250 mg 20.—	1 g 70.—
50860	Gramine puriss. >99%(UV); M.P. 130-132°; Ash <0.1% [3-(Dimethylaminomethyl)indole] C ₈ H ₄ NHCH:CHCH ₂ N(CH ₃) ₂ C ₁₁ H ₁₄ N ₂ M _r 174.25 [87-52-5]	25 g 11.—	100 g 38.—
50870	Graphite purum powder ~99.9%; Ash ~0.05% [7782-42-5]	1 kg 10.—	5 kg 42.—
	GSH see 49750 L-Glutathione reduced		
	GSSG see 49740 L-Glutathione oxidized		
	GTP see 51120 Guanosine 5'-triphosphate Disodium salt		
	Guaethol see 15911 Pyrocatechol monoethyl ether		
	Guaiacol (Pyrocatechol monomethyl ether; 2-Methoxyphenol) 3/4; 82° CH ₃ OC ₆ H ₄ OH C ₇ H ₈ O ₂ M _r 124.14 [90-05-1]		
50880	purum Ph. Helv.; ~98%(NT); M.P. 26-29°; store in refrigerator	100 g 8.—	500 g 24.—
	Guaiazulene (1,4-Dimethyl-7-isopropylazulene) see also Azulene C ₁₅ H ₁₆ M _r 198.31 [489-84-9]		
50890	puriss. >99%(GC); M.P. 27-29°; Q _{max} 284 nm, log ε 4.6 (in Heptane); store in refrigerator	10 g 16.—	50 g 67.—
	Guanazole see 33410 3,5-Diamino-1,2,4-triazole		
	Guanazolo see 11410 8-Azaguanine		
	Guanidine acetate NH ₂ C(:NH)NH ₂ .CH ₃ COOH CH ₅ N ₃ .CH ₃ COOH M _r 119.19 [593-87-3]		
50920	purum >99%(NT); M.P. 226-230°; Ash <0.1%; 1 g clearly soluble in 10 ml water	100 g 25.—	
50930	Guanidine carbonate purum >97%(NT); M.P. >300° [NH ₂ C(:NH)NH ₂] ₂ .H ₂ CO ₃ (CH ₅ N ₃) ₂ .H ₂ CO ₃ M _r 180.17 [593-85-1]	250 g 8.—	1 kg 25.—
	Guanidine hydrochloride NH ₂ C(:NH)NH ₂ .HCl CH ₅ N ₃ .HCl M _r 95.53 [50-01-1]		
50940	puriss. p.a. >99%(Cl); M.P. 183-185°; Ash <0.2%	100 g 14.—	500 g 60.—
50950	purum >98%(Cl); M.P. 178-183°; Ash <0.5%	250 g 8.—	1 kg 22.—
50970	Guanidine nitrate pract. >95%(NT); M.P. ~215° NH ₂ C(:NH)NH ₂ .HNO ₃ CH ₅ N ₃ .HNO ₃ M _r 122.08 [506-93-4]	250 g 7.—	1 kg 15.—

		sFr.	sFr.
51000	Guanidine sulfate purum ~96%(NT); M.P. ~300° dec.; H ₂ O <1% [NH ₂ C(:NH)NH ₂] ₂ .H ₂ SO ₄ (CH ₅ N ₃) ₂ .H ₂ SO ₄ M _r 216.22 [594-14-9]	50 g 17. —	250 g 70. —
50990	Guanidine thiocyanate purum >98%(T); M.P. 115-118°; 1 g clearly soluble in 10 ml water 6.1/81g NH ₂ C(:NH)NH ₂ .HSCN CH ₅ N ₃ .CHNS M _r 118.16 [593-84-0]	250 g 21. —	1 kg 75. —
	Guanidinoacetic acid see 50560 Glycocyamine		
	4-Guanidinobenzoic acid hydrochloride (4-Guanido-benzoic acid hydrochloride) NH ₂ C(:NH)NHC ₆ H ₄ COOH.HCl C ₈ H ₉ N ₃ O ₂ .HCl M _r 215.64 [42823-46-1]		
51005	purum >98%(Cl); M.P. ~285° dec.	1 g 25. —	
	Guanine (2-Amino-6-hydroxypurine) C ₅ H ₅ N ₅ O M _r 151.13 [73-40-5]		
51020	puriss. >99%(UV); M.P. >300°; Ash <0.05%; store in refrigerator	10 g 16. —	50 g 67. —
	Guanine-2'-deoxyriboside see 31070 2'-Deoxyguanosine		
51030	Guanine hydrochloride puriss. CHR ~99%(Cl); Ash <0.05%; store in refrigerator C ₅ H ₅ N ₅ O.HCl M _r 187.59 [2922-28-3]	10 g 25. —	50 g 105. —
	Guanosine (Guanine-9-β-D-ribofuranoside) C ₁₀ H ₁₃ N ₅ O ₅ M _r 283.25 [118-00-3]		
51050	purum ~97%(UV); M.P. 240-250° dec.; [α] ₅₄₆ ²⁰ -86±2°; [α] _D ²⁰ -72±2° (c = 1.5 in 0.1n NaOH); H ₂ O ~3%	25 g 20. —	100 g 70. —
51055	Guanosine 3',5'-cyclophosphate Monosodium salt puriss. (G-3:5-MP-Na) C ₁₀ H ₁₁ N ₅ NaO ₇ P M _r 367.19 [40732-48-7]	100 mg 45. —	
	Guanosine 5'-diphosphate Trisodium salt, 5'-GDP-Na₃ C ₁₀ H ₁₂ N ₅ Na ₃ O ₁₁ P ₂ M _r 509.15 [32065-62-6]		
51070	puriss. ~95%(UV); [α] ₅₄₆ ²⁰ -30±2°; [α] _D ²⁰ -24±2° (c = 1 in 0.5m Na ₂ HPO ₄)	100 mg 40. —	
	Guanosine 3'(+2')-monophosphate Disodium salt, 3'(+2')-GMP-Na₂ C ₁₀ H ₁₂ N ₅ Na ₂ O ₈ P M _r 407.19 [6027-83-4]		
51080	purum ~90%(UV); [α] ₅₄₆ ²⁰ -60±3°; [α] _D ²⁰ -51±3° (c = 1 in 1n NaOH); H ₂ O 4-8%	1 g 15. —	5 g 63. —
	Guanosine 5'-monophosphate Disodium salt, 5'-GMP-Na₂ C ₁₀ H ₁₂ N ₅ Na ₂ O ₈ P.2H ₂ O M _r 443.22 [5550-12-9]		
51090	purum ~90%(NT); [α] ₅₄₆ ²⁰ -40±2°; [α] _D ²⁰ -33±2° (c = 1 in 0.05m Na ₂ HPO ₄); H ₂ O ~10%; store in refrigerator	1 g 7. —	10 g 25. — 50 g 105. —
	Guanosine 5'-monophosphoric acid, 5'-GMP (5'-Guanylic acid) C ₁₀ H ₁₄ N ₅ O ₈ P M _r 363.23 [85-32-5]		
51110	purum ~85%(T); H ₂ O ~10-15%	1 g 15. —	5 g 63. —
	Guanosine 5'-triphosphate Disodium salt, 5'-GTP-H₂Na₂		
51120	puriss. ~96% GTP + ~3-4% GDP; [α] ₅₄₆ ²⁰ -27±3°; [α] _D ²⁰ -23±3° (c = 1 in 0.5m Na ₂ HPO ₄); store in refrigerator	25 mg 9. —	100 mg 22. — 1 g 175. —
	N-Guanylglycine see 50560 Glycocyamine		
	Guanylhiazine hydrogencarbonate see 08030 Aminoguanidine hydrogencarbonate		
	5'-Guanylic acid see 51110 Guanosine-5'-monophosphoric acid		
	N-Guanyl-N-methylglycine see 27890 Creatine anhydrous		
	N-Guanyl-N'-phenylguanidine see 78180 1-Phenylbiguanide hydrochloride		
51130	Guanylurea phosphate pract. M.P. 178-180° [NH ₂ C(:NH)NHCONH ₂] ₃ .H ₃ PO ₄ (C ₂ H ₆ N ₄ O) ₃ .H ₃ PO ₄ M _r 404.28 [17675-60-4]	250 g 14. —	1 kg 50. —
	L-Gulonic acid γ-lactone [L(-)-Gulono-1,4-lactone] HOCH ₂ CH(OH)CH(CHOH) ₂ COO C ₆ H ₁₀ O ₆ M _r 178.14 [1128-23-0]		
51190	purum M.P. 182-185°; [α] ₅₄₆ ²⁰ -67±2°; [α] _D ²⁰ -55±2° (c = 10 in water)	5 g 15. —	25 g 63. —
51200	Gum arabic, DAB fine powder [9000-01-5]	1 kg 22. —	
	Gum Dammar see 30424 Damar Resin		
	Gum Rosin see 60895 Colophony		
	HABA see 54791 2-(4'-Hydroxyphenylazo)benzoic acid		
	H-Acid Monosodium salt see 08720 8-Amino-1-naphthol-3,6-disulfonic acid Monosodium salt		

				sFr.	sFr.
51300	Hafnium puriss. >99.9% (incl. ~4% Zr) Hf A _r 178.49 [7440-58-6]			1 g 15.—	5 g 63.—
51310	Hafnium(IV) oxide puriss. >99.8% + 0.15% ZrO ₂ + other traces HfO ₂ M _r 210.49 [12055-23-1]			1 g 15.—	5 g 63.—
51320	Hanker-Yates Reagent puriss. p.a.			5 g 15.—	
51330	Harmaline purum (Dihydroharmine; Harmalol methyl ether) 6.1/81e C ₁₃ H ₁₄ N ₂ O M _r 214.27 [304-21-2]			1 g 12.—	5 g 50.—
51340	Harmaline hydrochloride purum ~98%(Cl); M.P. 234-236° dec. 6.1/81e C ₁₃ H ₁₄ N ₂ O·HCl·2H ₂ O M _r 286.76 [6027-98-1]			1 g 12.—	
51360	Harmalol hydrochloride purum M.P. 260° dec. 6.1/81e C ₁₂ H ₁₂ N ₂ O·HCl·2H ₂ O M _r 272.73 [6028-07-5]			1 g 12.—	
	Harmalol methyl ether see 51330 Harmaline				
51370	Harmane puriss. ~99%(NT); M.P. 236-238° 6.1/81e C ₁₂ H ₁₀ N ₂ ·4H ₂ O M _r 254.29 [486-84-0]			1 g 25.—	
51380	Harmane hydrochloride purum 6.1/81e C ₁₂ H ₁₀ N ₂ ·HCl M _r 218.69 [21655-84-5]			1 g 25.—	
51400	Harmine purum M.P. 262-264° dec. 6.1/81e C ₁₃ H ₁₂ N ₂ O M _r 212.25 [442-51-3]			1 g 30.—	5 g 125.—
51440	Harmol hydrochloride purum 6.1/81e C ₁₂ H ₁₀ N ₂ O·HCl M _r 234.69 [40580-83-4]			1 g 30.—	
51470	Hayems Solution Standard Fluka for counting Erythrocytes	1 lt ≈ 1.02 kg	100 ml 7.—		1 lt 20.—
	HBD see 15210 Bis(tributyltin) oxide				
	Heavy oxygen (¹⁸ O enriched water; Water- ¹⁸ O) [14314-42-2]				
84760	2% ¹⁸ O (~0.5% D-content)			5 g 24.—	
84762	13% ¹⁸ O (~5.0% D-content)			1 g 120.—	
	Heavy water see 31239 Deuterium oxide				
	Helianthin see 68250 Methyl Orange				
	Heliotropin see 80820 Piperonal				
51210	Hemalaun Standard Fluka for Microscopy (Hist.); (Mixture of 100 g Calcium aluminum alaun + 4 g Hematein)			25 g 12.—	100 g 40.—
51220	Hemalaun acid Standard Fluka for Microscopy (Hist.); (Mixture of 100 g Potassium aluminum sulfate + 4 g Hematein + 3.5 g Citric acid)			25 g 12.—	100 g 40.—
51230	Hematein [C.I. Nr. 75290; Sch. Nr. 1376] Standard Fluka for Microscopy (Hist.) C ₁₆ H ₁₂ O ₆ M _r 300.27 [475-25-2]			10 g 30.—	50 g 125.—
51240	Hematoporphyrin pract. ~80%(UV); M.P. >300° C ₃₄ H ₃₈ N ₄ O ₆ M _r 598.70 [14459-29-1]			1 g 12.—	5 g 50.—
51250	Hematoporphyrin dihydrochloride purum >98%(Cl) C ₃₄ H ₃₈ N ₄ O ₆ ·2HCl M _r 671.63 [17696-69-4]			1 g 10.—	5 g 40.—
	Hematoxylin [C.I. Nr. 75290; Sch. Nr. 1376] C ₁₆ H ₁₄ O ₆ ·3H ₂ O M _r 356.33 [517-28-2]				
51260	Standard Fluka for Microscopy (Hist.)	10 g 13.—	50 g 60.—		100 g 95.—
	Hematoxylin(Harris)-Solution				
51270	Standard Fluka for Cytodiagnostic work (colorimetric method according to Papanicolaou)	1 lt ≈ 1.03 kg	100 ml 7.—	500 ml 17.—	1 lt 32.—
	Hemellitrol see 51500 1,2,3-Trimethylbenzene				
	Hemiglobin see 51290 Hemoglobin ex Bovine blood				
	Hemimellitic acid see 51520 Benzene-1,2,3-tricarboxylic acid				
51280	Hemin(chloride) purum ~70-80%(UV); Fe ~8% C ₃₄ H ₃₂ ClFeN ₄ O ₄ M _r 651.96 [15489-47-1]	1 g 9.—	5 g 34.—		25 g 145.—

			sFr.	sFr.
	Hemoglobin ex Bovine blood (Bovine Hemoglobin; Hemiglobin; Methemoglobin)			
51290	2 × cryst.; pH 7.2; Ash <2%; Loss on drying ~10%; contains mainly Methemoglobin; store in refrigerator		1 g 9. —	5 g 34. —
	Undecane see 94000 Undecane			
51525	Heneicosane purum M.P. 39-41° (Alkane C ₂₁) CH ₃ (CH ₂) ₁₉ CH ₃ C ₂₁ H ₄₄ M _r 296.58 [629-94-5]		1 g 15. —	5 g 63. —
	Heneicosanoic acid (Carboxylic acid C ₂₁) CH ₃ (CH ₂) ₁₉ COOH C ₂₁ H ₄₂ O ₂ M _r 326.57 [2363-71-5]			
51530	purum ~95%(GC); M.P. 72-74°; 3-5% Eicosanoic acid		1 g 30. —	5 g 125. —
51543	Heparin Ammonium salt purum >140 I.U./mg	250 mg 18. —	1 g 65. —	
51542	Heparine Calcium salt purum 150 I.E./mg [37270-89-6]	250 mg 13. —	1 g 45. —	
51545	Heparin Lithium salt purum >140 I.U./mg	250 mg 20. —	1 g 70. —	
51544	Heparin Potassium salt puriss. >120 I.U./mg	250 mg 18. —	1 g 65. —	
51550	Heparin Sodium salt USP purum >140 I.U./mg; Loss on drying ~3%	100 mg 10. —	1 g 45. —	
	HEPES see 54461 4-(2-Hydroxyethyl)piperazine-1-ethane-2-sulfonic acid			
	HEPPS see 54463 4-(2-Hydroxyethyl)piperazine-1-propane-3-sulfonic acid			
	Heptacosafuorotributylamine (Perfluorotributylamine)			
8/35	N(CF ₂ CF ₂ CF ₂ CF ₃) ₃ C ₁₂ F ₂₇ N M _r 671.10 [311-89-7]			
77299	puriss. B.P. 127.0°; d ₄ ²⁰ 1.90; as reference standard in mass spectroscopy	1 lt ≈ 1.90 kg	5 ml 24. —	25 ml 100. —
77300	pract. B.P. 170-180°; d ₄ ²⁰ 1.90	1 lt ≈ 1.90 kg	10 ml 20. —	50 ml 85. —
51570	Heptacosanoic acid purum >97%(GC); M.P. 86-88° (Carboxylic acid C ₂₇) CH ₃ (CH ₂) ₂₅ COOH C ₂₇ H ₅₄ O ₂ M _r 410.73 [7138-40-1]	250 mg 24. —	1 g 90. —	
70150	14-Heptacosanone pract. M.P. 72-76° (Ditridecylketone; Myristone) CH ₃ (CH ₂) ₁₂ CO(CH ₂) ₁₂ CH ₃ C ₂₇ H ₅₄ O M _r 394.73 [542-50-7]	25 g 29. —		
77288	Heptadecafluorooctanesulfonic acid Tetraethylammonium salt purum CF ₃ (CF ₂) ₆ CF ₂ SO ₃ N(C ₂ H ₅) ₄ C ₁₆ H ₂₀ F ₁₇ NO ₃ S M _r 629.38 [56773-42-3]	25 g 26. —		
	Heptadecane (Alkane C ₁₇) CH ₃ (CH ₂) ₁₅ CH ₃ C ₁₇ H ₃₆ M _r 240.48 [629-78-7]			
51580	purum ~99%(GC); M.P. 20-22°; B.P. 303° (Lit.); d ₄ ²⁰ 0.78	1 lt ≈ 0.78 kg	25 ml 14. —	100 ml 50. —
51610	Heptadecanoic acid puriss. >99%(GC); M.P. 60-62° (Carboxylic acid C ₁₇) CH ₃ (CH ₂) ₁₅ COOH C ₁₇ H ₃₄ O ₂ M _r 270.46 [506-12-7]	5 g 16. —	25 g 67. —	
51650	Heptadecanoic acid nitrile purum >99%(GC) (Hexadecylcyanide; Nitrile C ₁₇) 6.1/21 CH ₃ (CH ₂) ₁₅ CN C ₁₇ H ₃₃ N M _r 251.46 [5399-02-0]	50 g 29. —		
51590	1-Heptadecanol purum >97%(GC); M.P. 51-55° (Alcohol C ₁₇ ; Heptadecyl alcohol) CH ₃ (CH ₂) ₁₆ OH C ₁₇ H ₃₆ O M _r 256.47 [1454-85-9]	5 g 32. —	25 g 135. —	
	9-Heptadecanone (Dioctyl ketone; Pelargone) CH ₃ (CH ₂) ₇ CO(CH ₂) ₇ CH ₃ C ₁₇ H ₃₄ O M _r 254.46 [540-08-9]			
42420	techn. ~90%(GC); M.P. 45-50°; store in refrigerator	50 g 42. —		
	Heptadecyl alcohol see 51590 1-Heptadecanol			
	Heptadecyl bromide see 17210 1-Bromoheptadecane			
	Heptadecyl methyl ketone see 51680 2-Nonadecanone			
	Heptadeutero-N,N-dimethylformamide see 51690 N,N-Dimethylformamide-d ₇			
77255	Heptafluorobutyramide pract. (Perfluorobutyramide) CF ₃ CF ₂ CF ₂ CONH ₂ C ₄ H ₂ F ₇ NO M _r 213.06 [662-50-0]	5 g 18. —	25 g 75. —	
	Heptafluorobutyric acid (Edman Reagent Nr. 3; HFBA; Perfluorobutyric acid)			
8/21	CF ₃ CF ₂ CF ₂ COOH C ₃ HF ₇ O ₂ M _r 214.04 [375-22-4]			
77249	puriss. for Sequential analysis	1 lt ≈ 1.65 kg	10 ml 25. —	50 ml 105. —
77250	purum >98%(T); B.P. 119-121°; d ₄ ²⁰ 1.651	1 lt ≈ 1.65 kg	10 ml 18. —	50 ml 75. —

					sFr.	sFr.
Heptafluorobutyric anhydride (HFBA; Perfluorobutyric anhydride)						
8/21	(CF ₃ CF ₂ CF ₂ CO) ₂ O	C ₆ F ₁₀ O ₃	M _r 410.06	[336-59-4]		
77251	puriss. p.a. >99%(GC); B.P. 109-111°; d ₄ ²⁰ 1.669				1 lt ≈ 1.67 kg	Package of 10 × 1 ml 80. —
77253	puriss. p.a. >99%(GC); B.P. 109-111°; d ₄ ²⁰ 1.669				1 lt ≈ 1.67 kg	10 ml 45. — 50 ml 190. —
Heptafluorobutyryl chloride (Perfluorobutyryl chloride)						
8/22	CF ₃ CF ₂ CF ₂ COCl	C ₄ ClF ₇ O	M _r 232.49	[375-16-6]		
77254	pract. >98%(GC); d ₄ ²⁰ 1.556				1 lt ≈ 1.56 kg	5 ml 26. — 25 ml 110. —
α-D-Heptagluconic acid γ-lactone (α-D-Glucoheptonic-γ-lactone; α-D-Glucoheptono-1,4-lactone)						
	HOCH ₂ (CHOH) ₂ CH(CHOH) ₂ COO	C ₇ H ₁₂ O ₇	M _r 208.17	[60046-25-5]		
51705	puriss. M.P. 152-153°; [α] _D ²⁰ -62±2°; [α] _D ²⁰ -52±2° (c = 10 in water)					50 g 11. — 250 g 46. —
1-Heptaldehyde (Aldehyde C ₇ ; 1-Heptanal; Oenanthaldehyde)						
3/3; 38°	CH ₃ (CH ₂) ₅ CHO	C ₇ H ₁₄ O	M _r 114.19	[111-71-7]		
75170	purum >97%(GC); B.P. 140-142°; d ₄ ²⁰ 0.818; n _D ²⁰ 1.413; stab. with 0.1% Hydroquinone				1 lt ≈ 0.82 kg	100 ml 18. — 500 ml 75. —
75172	pract. ~90-95%(GC); B.P. 147-152°; d ₄ ²⁰ 0.820; n _D ²⁰ 1.413; <2% free Acid				1 lt ≈ 0.82 kg	250 ml 10. — 1 lt 32. —
Heptamethyldisilazane see 15235 N,N-Bis(trimethylsilyl)methylamine						
Heptamethylenediamine see 32990 1,7-Diaminoheptane						
Heptamethylene dibromide see 34180 1,7-Dibromoheptane						
Heptamethylene dicyanide see 11540 Azelonitrile						
Heptamethylene glycol see 51770 1,7-Heptanediol						
Heptamethyleneimine (Azacyclooctane; Octahydroazocine)						
8/35	CH ₂ (CH ₂) ₆ NH	C ₇ H ₁₅ N	M _r 113.20	[1121-92-2]		
51710	purum >97%(GC); B.P. 163-167°; d ₄ ²⁰ 0.890; n _D ²⁰ 1.473				1 lt ≈ 0.89 kg	10 ml 32. — 50 ml 135. —
Heptaminol hydrochloride see 08475 6-Amino-2-methyl-2-heptanol hydrochloride						
1-Heptanal see 75170 1-Heptaldehyde						
Heptane (Alkane C ₇)						
3/1a; -4°	CH ₃ (CH ₂) ₅ CH ₃	C ₇ H ₁₆	M _r 100.21	[142-82-5]		
51730	puriss. Standard for GC; >99.7%(GC); B.P. 98-99°; d ₄ ²⁰ 0.683; n _D ²⁰ 1.388				1 lt ≈ 0.68 kg	10 ml 25. — 50 ml 105. —
51740	for UV-Spectroscopy Fluka-Guarantee: Layer thickness: 1 cm; Reference cell: water Wavelength in nm: 220 230 240 250 260 Transmittance in %: 20 60 85 96 >99				1 lt ≈ 0.68 kg	250 ml 14. — 1 lt 50. —
51741	for Sequential Analysis				1 lt ≈ 0.68 kg	250 ml 29. —
51742	for HPLC; B.P. 99°; n _D ²⁰ 1.388; UV cut-off 220 nm; solvent strength ε (Al ₂ O ₃) 0.01; H ₂ O <0.02%			1 lt ≈ 0.68 kg	500 ml 18. —	1 lt 35. — 2.5 lt 75. —
51745	puriss. p.a. B.P. 98-99°; d ₄ ²⁰ 0.683; n _D ²⁰ 1.388 Fluka-Guarantee: Assay (GC) >99.5 % Nickel (Ni) <0.00001% Water (H ₂ O) <0.05 % Copper (Cu) <0.00001% Residue on evaporation <0.002 % Lead (Pb) <0.00001% Iron (Fe) <0.00005% Cadmium (Cd) <0.00001% Cobalt (Co) <0.00001% Zinc (Zn) <0.00001%			1 lt ≈ 0.68 kg	500 ml 11. —	1 lt 20. — 2.5 lt 46. —
51750	purum >99%(GC); B.P. 97-99°; d ₄ ²⁰ 0.684; n _D ²⁰ 1.388				1 lt ≈ 0.68 kg	1 lt 15. — 5 lt 63. —
Heptane Fraction						
51760	3/1a; -4° purum B.P. 96-99°; d ₄ ²⁰ 0.707; n _D ²⁰ 1.397			1 lt ≈ 0.71 kg	1 lt 10. —	2.5 lt 20. — 10 lt 60. —
1,7-Heptanediamine see 32990 1,7-Diaminoheptane						
Heptanedioic acid see 80500 Pimelic acid						
1,7-Heptanediol (Heptamethylene glycol)						
	HO(CH ₂) ₇ OH	C ₇ H ₁₆ O ₂	M _r 132.20	[629-30-1]		
51770	purum >98%(GC); M.P. 17-19°; B.P. 261-263°; d ₄ ²⁰ 0.958; n _D ²⁰ 1.455				1 lt ≈ 0.96 kg	5 ml 16. — 25 ml 67. —
Heptanesulfonic acid Sodium salt Monohydrate						
	CH ₃ (CH ₂) ₆ CH ₂ SO ₃ Na·H ₂ O	C ₇ H ₁₆ NaO ₃ S·H ₂ O	M _r 220.27	[22767-50-6]		
51835	purum ~98%(T); for Ion pair-chromatography					10 g 30. —



				sFr.	sFr.
	1-Heptanethiol (Heptyl mercaptan; Mercaptan C ₇)				
	3/3; 41°	CH ₃ (CH ₂) ₆ SH C ₇ H ₁₆ S M _r 132.27 [1639-09-4]			
51840		purum >98%(GC); B.P. ₁₀ 57-58°; d ₄ ²⁰ 0.844; n _D ²⁰ 1.452	1 lt ≈ 0.84 kg	50 ml 24. —	250 ml 100. —
	Heptanoic acid see 75190 Oenanthic acid				
	1-Heptanol (Alcohol C ₇ ; Heptyl alcohol)				
	3/4; 70°	CH ₃ (CH ₂) ₆ OH C ₇ H ₁₆ O M _r 116.20 [111-70-6]			
51780		puriss. >99.5%(GC); B.P. 174-176°; d ₄ ²⁰ 0.823; n _D ²⁰ 1.424	1 lt ≈ 0.82 kg	100 ml 13. —	500 ml 46. —
51790		purum >98%(GC); B.P. 170-176°; d ₄ ²⁰ 0.822; n _D ²⁰ 1.424	1 lt ≈ 0.82 kg	250 ml 9. —	1 lt 28. —
	2-Heptanol (Methyl pentyl carbinol)				
	3/4; 59°	CH ₃ (CH ₂) ₄ CH(OH)CH ₃ C ₇ H ₁₆ O M _r 116.20 [543-49-7]			
51800		purum >99%(GC); B.P. 158-161°; d ₄ ²⁰ 0.818; n _D ²⁰ 1.420	1 lt ≈ 0.82 kg	100 ml 28. —	500 ml 120. —
	3-Heptanol (Butyl ethyl carbinol)				
	3/4; 60°	CH ₃ (CH ₂) ₃ CH(OH)CH ₂ CH ₃ C ₇ H ₁₆ O M _r 116.20 [589-82-2]			
51820		purum >99%(GC); B.P. 155-157°; d ₄ ²⁰ 0.820; n _D ²⁰ 1.422	1 lt ≈ 0.82 kg	100 ml 22. —	500 ml 90. —
	4-Heptanol (Dipropyl carbinol)				
	3/3; 54°	(CH ₃ CH ₂ CH ₂) ₂ CHOH C ₇ H ₁₆ O M _r 116.20 [589-55-9]			
51830		purum ~98%(GC); B.P. 157-158°; d ₄ ²⁰ 0.817; n _D ²⁰ 1.420	1 lt ≈ 0.82 kg	100 ml 10. —	500 ml 42. —
	2-Heptanone (Methyl pentyl ketone)				
	3/3; 41°	CH ₃ (CH ₂) ₄ COCH ₃ C ₇ H ₁₄ O M _r 114.19 [110-43-0]			
68592		purum >98%(GC); B.P. 149-152°; d ₄ ²⁰ 0.815; n _D ²⁰ 1.409	1 lt ≈ 0.82 kg	100 ml 9. —	500 ml 34. —
	3-Heptanone (Butyl ethyl ketone)				
		CH ₃ (CH ₂) ₃ COC ₂ H ₅ C ₇ H ₁₄ O M _r 114.19 [106-35-4]			
03220		purum >97%(GC); B.P. 145-148°; d ₄ ²⁰ 0.816; n _D ²⁰ 1.409	1 lt ≈ 0.82 kg	250 ml 12. —	1 lt 40. —
	4-Heptanone (Butyrone; Dipropyl ketone)				
	3/3; 49°	(CH ₃ CH ₂ CH ₂) ₂ CO C ₇ H ₁₄ O M _r 114.19 [123-19-3]			
43570		purum ~98%(GC); B.P. 142-144°; d ₄ ²⁰ 0.814; n _D ²⁰ 2.407	1 lt ≈ 0.81 kg	100 ml 8. —	500 ml 29. —
	Heptanoyl chloride (Oenanthic chloride)				
	8/22	CH ₃ (CH ₂) ₅ COCl C ₇ H ₁₃ ClO M _r 148.63 [2528-61-2]			
75210		purum ~99%(Cl); B.P. ₂₀ 75-78°; d ₄ ²⁰ 0.961; n _D ²⁰ 1.431	1 lt ≈ 0.96 kg	250 ml 40. —	1 lt 145. —
	1-Heptene purum ~97%(GC); B.P. 92-94°; d ₄ ²⁰ 0.696; n _D ²⁰ 1.400				
51860	3/1a; -1°	CH ₃ (CH ₂) ₄ CH:CH ₂ C ₇ H ₁₄ M _r 98.19 [592-76-7]	1 lt ≈ 0.70 kg	50 ml 26. —	250 ml 110. —
	trans-2-Heptene purum ~99%(GC); B.P. 95-98°; d ₄ ²⁰ 0.700; n _D ²⁰ 1.404				
51880	3/1a; -1°	CH ₃ (CH ₂) ₃ CH:CHCH ₃ C ₇ H ₁₄ M _r 98.19 [14686-13-6]	1 lt ≈ 0.70 kg	5 ml 29. —	25 ml 120. —
	trans-3-Heptene purum ~99%(GC); B.P. 95-97° (Lit.); d ₄ ²⁰ 0.698; n _D ²⁰ 1.403				
51910	3/1a; -1°	CH ₃ CH ₂ CH ₂ CH:CHCH ₂ CH ₃ C ₇ H ₁₄ M _r 98.19 [14686-14-7]	1 lt ≈ 0.70 kg	5 ml 29. —	25 ml 120. —
	3-Heptene (cis + trans) pract. >95%(GC); B.P. 95-96°; d ₄ ²⁰ 0.702; n _D ²⁰ 1.405				
51920	3/1a; -7°	CH ₃ CH ₂ CH ₂ CH:CHCH ₂ CH ₃ C ₇ H ₁₄ M _r 98.19 [592-78-9]	1 lt ≈ 0.70 kg	5 ml 29. —	25 ml 120. —
	6-Heptenoic acid				
		CH ₂ :CH(CH ₂) ₄ COOH C ₇ H ₁₂ O ₂ M _r 128.17 [11199-60-4]			
51945		puriss. >99%(GC); B.P. 222-224°; d ₄ ²⁰ 0.946; n _D ²⁰ 1.439; store in refrigerator	1 lt ≈ 0.95 kg	1 ml 20. —	5 ml 85. —
	1-Hepten-3-ol (Butyl vinyl carbinol)				
	3/3; 54°	CH ₃ (CH ₂) ₃ CH(OH)CH:CH ₂ C ₇ H ₁₄ O M _r 114.19 [4938-52-7]			
51930		purum >98%(GC); B.P. 153-156°; d ₄ ²⁰ 0.840; n _D ²⁰ 1.433	1 lt ≈ 0.84 kg	5 ml 24. —	25 ml 100. —
	"Heptoxime" see 28820 1,2-Cycloheptanedione dioxime				
	Heptyl alcohol see 51780 1-Heptanol				
	Heptylamine (Amine C ₇ ; 1-Aminoheptane)				
	8/35; 44°	CH ₃ (CH ₂) ₆ NH ₂ C ₇ H ₁₇ N M _r 115.22 [111-68-2]			
51960		purum >98%(GC); B.P. 154-156°; d ₄ ²⁰ 0.773; n _D ²⁰ 1.424	1 lt ≈ 0.77 kg	25 ml 10. —	100 ml 35. —
	Heptyl bromide see 17220 1-Bromoheptane				
	Heptyl chloride see 24740 1-Chloroheptane				
	Heptyl cyanide see 21740 Caprylonitrile				
	Heptyl fluoride see 47003 1-Fluoroheptane				

			sFr.	sFr.
	Heptyl iodide see 57870 1-Iodoheptane			
	Heptyl mercaptan see 51840 1-Heptanethiol			
51995	N-Heptylmethylamine purum 8/35; 52° $\text{CH}_3(\text{CH}_2)_5\text{CH}_2\text{NHCH}_3$ $\text{C}_8\text{H}_{19}\text{N}$ M_r 129.25 [36343-05-2]	1 lt $\approx$ 0.77 kg	10 ml 20.—	50 ml 85.—
	Heptyl methyl carbinol see 74290 2-Nonanol			
	Heptyl methyl ketone see 52000 2-Nonanone			
	Heptyl propyl ketone see 52030 4-Undecanone			
	Heptyltributylammonium bromide see 90797 Tributylheptylammonium bromide			
51950	1-Heptyne purum >99%(GC); B.P. 98-100°; d_4^{20} 0.733; n_D^{20} 1.409 3/1a; -10° $\text{CH}_3(\text{CH}_2)_4\text{C}\equiv\text{CH}$ C_7H_{12} M_r 96.17 [628-71-7]	1 lt $\approx$ 0.73 kg	25 ml 26.—	100 ml 95.—
	"Herbipolin" see 40405 7,9-Dimethylguaninium betain			
	Hesperidin (Hesperetin-7-rutinoside) $\text{C}_{28}\text{H}_{34}\text{O}_{15}$ M_r 610.57 [520-33-2]			
52040	pract. M.P. 250-255° dec.; $[\alpha]_{546}^{20} -83\pm 4^\circ$; $[\alpha]_D^{20} -74\pm 4^\circ$ (c = 2 in Pyridine)		100 g 28.—	500 g 120.—
	Heteroauxin see 57330 3-Indoleacetic acid			
	Heteroxanthine see 69723 7-Methylxanthine			
52051	Hexabromobenzene purum >97%(Br) C_6Br_6 M_r 551.52 [87-82-1]		10 g 18.—	50 g 75.—
81050	Hexabromoplatinic acid puriss. 26% Pt $\text{H}_2\text{PtBr}_6 \cdot 9\text{H}_2\text{O}$ $\text{H}_2\text{Br}_6\text{Pt} \cdot 9\text{H}_2\text{O}$ M_r 838.70 [20296-34-3]		1 g 60.—	
	Hexabutyl distannoxane see 15210 Bis(tributyltin) oxide			
	Hexachloroacetone see 52080 Hexachloro-2-propanone			
52100	Hexachlorobenzene pract. >98%(Cl); M.P. 227-230° dec. 6.1/81b C_6Cl_6 M_r 284.78 [118-74-1]		250 g 7.—	1 kg 20.—
	Hexachloro-1,3-butadiene (Perchlorobutadiene) 6.1/62 $\text{CCl}_2\text{:CClCCl:CCl}_2$ C_4Cl_6 M_r 260.76 [87-68-3]			
52108	for IR-Spectroscopy	1 lt $\approx$ 1.68 kg	250 ml 24.—	
52109	pract. >98%(GC); d_4^{20} 1.681; n_D^{20} 1.555	1 lt $\approx$ 1.68 kg	250 ml 9.—	1 lt 28.—
	Hexachlorocyclopentadiene 6.1/61 $\text{ClC:CClCCl:CClCCl}_2$ C_5Cl_6 M_r 272.77 [77-47-4]			
52150	pract. >98%(GC); B.P. 108-112°; d_4^{20} 1.710; n_D^{20} 1.565	1 lt $\approx$ 1.71 kg	250 ml 9.—	1 lt 28.—
	Hexachlorocyclotriphosphatriene see 79562 Phosphonitrilic chloride			
	Hexachloroethane (Perchloroethane) 6.1/81b Cl_3CCCl_3 C_2Cl_6 M_r 236.74 [67-72-1]			
52090	pract. >95%(Cl); M.P. 183-185° dec.		1 kg 9.—	5 kg 34.—
	1,4,5,6,7,7-Hexachloro-5-norbornene-2,3-dicarboxylic anhydride see 52157 Chlorendic anhydride			
	Hexachloroiridic acid see 58210 Iridium(IV) chloride			
	Hexachlorophene see 66713 2,2'-Methylenebis(3,4,6-trichlorophenol)			
81080	Hexachloroplatinic acid purum $\sim$ 38% Pt [Hydrogen hexachloroplatinate(IV)] $\text{H}_2\text{PtCl}_6 \cdot \text{aq}$ $\text{Cl}_6\text{H}_2\text{Pt} \cdot \text{aq}$ M_r 409.82 + aq [32627-67-1]		1 g 30.—	5 g 105.—
	Hexachloro-2-propanone (Hexachloroacetone) 6.1/61 $\text{CCl}_3\text{COCCL}_3$ $\text{C}_3\text{Cl}_6\text{O}$ M_r 264.75 [116-16-5]			
52080	purum $\sim$ 97%(GC); M.P. -6--2°; B.P. 202-206°; d_4^{20} 1.742; n_D^{20} 1.511	1 lt $\approx$ 1.74 kg	250 ml 21.—	1 lt 75.—
	$\alpha,\alpha,\alpha,\alpha',\alpha',\alpha'$-Hexachloro-p-xylene [1,4-Bis(trichloromethyl)benzene] 6.1/23 $\text{C}_6\text{H}_4(\text{CCl}_3)_2$ $\text{C}_8\text{H}_4\text{Cl}_6$ M_r 312.84 [68-36-0]			
52170	purum >98%(GC); M.P. 106-108°		100 g 13.—	500 g 55.—
52185	Hexacosane puriss. >99%(GC); M.P. 56-58° $\text{CH}_3(\text{CH}_2)_{24}\text{CH}_3$ $\text{C}_{26}\text{H}_{54}$ M_r 366.72 [630-01-3]		1 g 15.—	5 g 63.—

			sFr.	sFr.
	Hexacosanoic acid (Carboxylic acid C ₂₆ ; Cerotinic acid)			
	CH ₃ (CH ₂) ₂₄ COOH C ₂₆ H ₅₂ O ₂ M _r 396.70 [506-46-7]			
52200	purum synth.; >97%(GC); M.P. 86-87°		250 mg 24. —	1 g 90. —
52191	1-Hexacosanol purum synth.; M.P. 78-80° (Alcohol C ₂₆ ; Ceryl alcohol)		100 mg 35. —	500 mg 145. —
	CH ₃ (CH ₂) ₂₅ OH C ₂₆ H ₅₄ O M _r 382.72 [506-52-5]			
77272	Hexadecafluoroheptane pract. ~90%(GC) (Perfluoroheptane)		1 lt ≈ 1.73 kg	10 ml 18. — 50 ml 75. —
	3/3; 42° CF ₃ (CF ₂) ₆ CF ₃ C ₇ F ₁₆ M _r 388.05 [335-57-9]			
	1,2-Hexadecamethylene-sn-glycero-3-phosphorylethanolamine and -phosphorylcholine see 52311 and 52312 L-β,γ-Hexadecylidene-α-cephalin and -lecithin			
	Hexadecane (Alkane C ₁₆ ; Cetane)			
	CH ₃ (CH ₂) ₁₄ CH ₃ C ₁₆ H ₃₄ M _r 226.45 [544-76-3]			
52210	purum >98%(GC) olefin free; M.P. 17-19°; B.P. 283-286°; d ₄ ²⁰ 0.773; n _D ²⁰ 1.435	1 lt ≈ 0.77 kg	100 ml 16. —	500 ml 67. —
	Hexadecanedioic acid (Dicarboxylic acid C ₁₆ ; Thapsic acid)			
	HOOC(CH ₂) ₁₄ COOH C ₁₆ H ₃₀ O ₄ M _r 286.42 [505-54-4]			
52230	puriss. >99%(GC); M.P. 120-123°		1 g 11. —	5 g 44. —
	1-Hexadecanethiol (Cetylmercaptan; Hexadecyl mercaptan; Mercaptan C ₁₆)			
	CH ₃ (CH ₂) ₁₅ SH C ₁₆ H ₃₄ S M _r 258.51 [2917-26-2]			
52270	purum ~97%(GC); M.P. 17-20°; B.P. _{0.1} 128-130°; d ₄ ²⁰ 0.846; n _D ²⁰ 1.462	1 lt ≈ 0.85 kg	100 ml 16. —	500 ml 67. —
	Hexadecanoic acid see 76119 Palmitic acid			
	1-Hexadecanol (Alcohol C ₁₆ ; Cetyl alcohol)			
	CH ₃ (CH ₂) ₁₅ OH C ₁₆ H ₃₄ O M _r 242.45 [36653-82-4]			
52240	puriss. ~99%(GC); M.P. 49-50°; B.P. ₁₅ 190° (Lit.)		100 g 10. —	500 g 37. —
52250	pract. ~97%(GC); M.P. 46-49°		1 kg 14. —	5 kg 60. —
52260	2-Hexadecanol purum >98%(GC); M.P. 43-45°; B.P. ₁ 135° (Lit.) (Methyl tetradecyl carbinol)		5 g 32. —	25 g 135. —
	CH ₃ (CH ₂) ₁₃ CH(OH)CH ₃ C ₁₆ H ₃₄ O M _r 242.45 [14852-31-4]			
68275	2-Hexadecanone purum ~96%(GC); M.P. 43-45° (Methyl pentadecyl keton)		5 g 29. —	
	CH ₃ (CH ₂) ₁₃ COCH ₃ C ₁₆ H ₃₂ O M _r 240.43 [18787-63-8]			
	1-Hexadecene (Cetene)			
	CH ₃ (CH ₂) ₁₃ CH:CH ₂ C ₁₆ H ₃₂ M _r 224.43 [629-73-2]			
52278	puriss. >99%(GC); B.P. 274° (Lit.); d ₄ ²⁰ 0.784; n _D ²⁰ 1.441	1 lt ≈ 0.78 kg	50 ml 24. —	250 ml 100. —
52280	pract. ~90-95%(GC); M.P. 3-5°; d ₄ ²⁰ 0.78	1 lt ≈ 0.78 kg	500 ml 12. —	2.5 lt 50. —
	cis-9-Hexadecenoic acid see 76169 Palmitoleic acid			
	Hexadecylamine (Amine C ₁₆ ; 1-Amino-hexadecane; Cetylamine)			
	CH ₃ (CH ₂) ₁₅ NH ₂ C ₁₆ H ₃₅ N M _r 241.46 [143-27-1]			
52300	pract. dest. ~90%(GC); M.P. 42-45°		250 g 10. —	1 kg 35. —
	Hexadecyl bromide see 17280 1-Bromohexadecane			
	Hexadecyl chloride see 24750 1-Chlorohexadecane			
	Hexadecyl cyanide see 51650 Heptadecanoic acid nitrile			
	Hexadecyl fluoride see 47006 1-Fluorohexadecane			
	3-Hexadecyl-sn-glycerol see 52301 L-1-Hexadecylglycerol			
	L-α-Hexadecylglycerol [3-Hexadecyl-sn-glycerol; (R)-Glycerol-1-hexadecyl ether]			
	HOCH ₂ CH(OH)CH ₂ O(CH ₂) ₁₅ CH ₃ C ₁₉ H ₄₀ O ₃ M _r 316.53 [10550-58-0]			
52301	puriss. M.P. 65-66°; [α] _D ²⁰ + 1.30±0.05° (c = 10 in CHCl ₃ /CH ₃ OH 9:1)		250 mg 40. —	1 g 145. —
52302	DL-α-Hexadecylglycerol puriss. M.P. 59-61° (rac-Glycerol-1-hexadecyl ether)		250 mg 40. —	1 g 145. —
	HOCH ₂ CH(OH)CH ₂ O(CH ₂) ₁₅ CH ₃ C ₁₉ H ₄₀ O ₃ M _r 316.53 [6145-69-3]			
52303	β-Hexadecylglycerol puriss. M.P. 64-65° (Glycerol 2-hexadecyl ether)		250 mg 40. —	1 g 145. —
	(HOCH ₂) ₂ CHO(CH ₂) ₁₅ CH ₃ C ₁₉ H ₄₀ O ₃ M _r 316.53 [63538-02-3]			
	L-β,γ-Hexadecylidene-α-cephalin (1,2-Hexadecamethylene-sn-glycero-3-phosphorylethanolamine)			
	C ₂₁ H ₄₄ NO ₆ P M _r 437.56			
52311	purum		250 mg 90. —	1 g 320. —

				sFr.	sFr.
	L-β,γ-Hexadecylidene-α-lecithin (1,2-Hexadecamethylene-sn-glycero-3-phosphorylcholine)				
	$C_{24}H_{50}NO_6P$ M_r 479.64				
52312	puriss.			250 mg 90. —	1 g 320. —
	DL-Hexadecylidene-α-lecithin puriss.				
	$C_{24}H_{50}NO_6P$ M_r 479.64				
52313				250 mg 90. —	1 g 320. —
52320	tert-Hexadecylmercaptan techn. ~80%; d_4^{20} 0.868; n_D^{20} 1.413	1 lt ≈ 0.87 kg		100 ml 8. —	500 ml 29. —
	6.1/81a $C_{16}H_{33}SH$ $C_{16}H_{34}S$ M_r 258.51 [25360-09-2]				
	Hexadecyl mercaptan see 52270 1-Hexadecanethiol				
	Hexadecyl methyl carbinol see 74180 2-Nonadecanol				
	Hexadecylpyridinium bromide (Cetylpyridinium bromide)				
	$\underline{CH:CHCH:CHCH:N(Br)(CH_2)_{15}CH_3 \cdot H_2O}$ $C_{21}H_{38}BrN \cdot H_2O$ M_r 402.47				
	[140-72-7]				
52340	pract. >97%(Br); Water <3%			100 g 16. —	500 g 67. —
52349	Hexadecylpyridinium chloride purum >98%(Cl); M.P. 80-83° (Cetylpyridinium chloride)			100 g 10. —	500 g 37. —
	6.1/21 $\underline{CH:CHCH:CHCH:N(Cl)(CH_2)_{15}CH_3 \cdot H_2O}$ $C_{21}H_{38}ClN \cdot H_2O$ M_r 358.01				
	[123-03-5]				
	Hexadecyltributylphosphonium bromide				
	$CH_3(CH_2)_{15}P(Br)(CH_2CH_2CH_2CH_3)_3$ $C_{26}H_{60}BrP$ M_r 507.67 [14937-45-2]				
52353	purum ~98%(Br); M.P. 57-60°; Phase transfer catalyst			25 g 35. —	100 g 130. —
	Hexadecyltrimethylammonium bromide (Cetyltrimethylammonium bromide)				
	$CH_3(CH_2)_{15}N(Br)(CH_3)_3$ $C_{19}H_{42}BrN$ M_r 364.46 [57-09-0]				
52370	purum ~98%(Br); M.P. ~250° dec.			100 g 14. —	500 g 60. —
	Hexadecyltrimethylammonium chloride				
	$CH_3(CH_2)_{15}N(Cl)(CH_3)_3$ $C_{19}H_{42}ClN$ M_r 320.91 [112-02-7]				
52372	pract. ~25% in water; d_4^{20} 0.968; n_D^{20} 1.379	1 lt ≈ 0.97 kg		500 ml 13. —	2.5 lt 55. —
	Hexadeuteroacetone see 52376 Acetone-d ₆				
	Hexadeuterobenzene see 52396 Benzene-d ₆				
	Hexadeuterodimethyl sulfoxide see 52414 Dimethylsulfoxide-d ₆				
	Hexadeuteroethanol see 52392 Ethanol-d ₆				
	2,4-Hexadienal				
	4.1/11 $CH_3CH:CHCH:CHCH:O$ C_6H_8O M_r 96.13 [142-83-6]				
52475	pract. Mixture of stereoisomers; ~95%(GC); B.P. 170-173°; d_4^{20} 0.897; n_D^{20} 1.539	1 lt ≈ 0.90 kg		50 ml 24. —	250 ml 100. —
52440	1,5-Hexadiene purum >98%(GC); B.P. 58-60°; d_4^{20} 0.691; n_D^{20} 1.404	1 lt ≈ 0.69 kg		25 ml 12. —	100 ml 40. —
	3/1a; -46° $CH_2:CHCH_2CH_2CH:CH_2$ C_6H_{10} M_r 82.15 [592-42-7]				
	2,3-Hexadiene (1-Ethyl-3-methylallene)				
	3/1a; -46° $CH_3CH_2CH:C:CHCH_3$ C_6H_{10} M_r 82.15 [592-49-4]				
52445	purum >98%(GC); B.P. 77-78° (Lit.); d_4^{20} 0.718; n_D^{20} 1.434	1 lt ≈ 0.72 kg		5 ml 50. —	
52460	cis,trans-2,4-Hexadiene purum ~98%(GC); B.P. 80-82°; d_4^{20} 0.724; n_D^{20} 1.456	1 lt ≈ 0.72 kg		5 ml 35. —	25 ml 145. —
	3/1a; -46° $CH_3CH:CHCH:CHCH_3$ C_6H_{10} M_r 82.15 [5194-50-3]				
	trans,trans-2,4-Hexadiene				
	3/1a; -46° $CH_3CH:CHCH:CHCH_3$ C_6H_{10} M_r 82.15 [5194-51-4]				
52470	purum ~98%(GC); B.P. 81-82°; d_4^{20} 0.713; n_D^{20} 1.450	1 lt ≈ 0.71 kg		1 ml 14. —	5 ml 60. —
	trans,trans-2,4-Hexadiene-1,6-dioic acid see 70000 trans,trans-Muconic acid				
	2,4-Hexadienoic acid and Potassium salt see 85510 and 85520 Sorbic acid and Potassium salt				
	Hexadimethrinbromide [Polybrene; Poly(N,N,N,N-tetramethyl)-N-trimethylene-hexamethylenediammonium dibromide] [9011-04-5]				
52495	purum; Polybrene facilitates automated sequencing of small peptides: D. G. Klapper, Ch. E. Wilde III and J. D. Capra, Anal. Biochem. 85, 126-131 (1978)			10 g 18. —	
52490	2,4-Hexadiyne-1,6-diol purum >98%(GC); M.P. 109-112°			1 g 20. —	5 g 85. —
	4.1/11 $HOCH_2C\equiv CC\equiv CCCH_2OH$ $C_6H_6O_2$ M_r 110.11 [3031-68-3]				
	Hexaethylphosphorous triamide see 93329 Tris(diethylamino)phosphine				

			sFr.	sFr.
52501	Hexafluoroacetone Deuterate puriss. >99.5 Atom% D 6.1/62 $\text{CF}_3\text{COCF}_3 \cdot 1.6\text{D}_2\text{O}$ $\text{C}_3\text{F}_6\text{O} \cdot 1.6\text{D}_2\text{O}$ M_r 166.02 + 32.04 [684-16-2] (free ketone)	1 lt $\approx$ 1.70 kg	10 ml 80. —	
	Hexafluoroacetylacetone 3/3; 32° $\text{CF}_3\text{COCH}_2\text{COCF}_3$ $\text{C}_6\text{H}_2\text{F}_6\text{O}_2$ M_r 208.06 [1522-22-1] 52503 techn. 80-90%(GC); B.P. 68-71°; d_4^{20} 1.47; n_D^{20} 1.333; hygroscopic	1 lt $\approx$ 1.47 kg	5 ml 40. —	25 ml 165. —
52510	Hexafluorobenzene puriss. >99%(GC); B.P. 78-80°; d_4^{20} 1.61; n_D^{20} 1.378 6.1/62 C_6F_6 M_r 186.06 [392-56-3]	1 lt $\approx$ 1.61 kg	5 ml 21. —	25 ml 90. —
77270	Hexafluoroglutaric acid (Perfluoroglutaric acid) 8/21 $\text{HOOC}(\text{CF}_2)_3\text{COOH}$ $\text{C}_6\text{H}_2\text{F}_6\text{O}_4$ M_r 240.06 [376-73-8] pract. >95%(T); M.P. 89-91°; hygroscopic; corrosive		1 g 16. —	5 g 67. —
52515	Hexafluorophosphoric acid techn. $\sim$ 75% in water 8/15 HPF_6 F_6HP M_r 145.97 [16940-81-1]	1 lt $\approx$ 1.85 kg	100 ml 18. —	500 ml 75. —
52512	1,1,1,3,3,3-Hexafluoro-2-propanol (HFIP) 6.1/61 $(\text{CF}_3)_2\text{CHOH}$ $\text{C}_3\text{H}_2\text{F}_6\text{O}$ M_r 186.04 [920-66-1] purum >99%(GC); B.P. 59-61°; d_4^{20} 1.617; n_D^{20} <1.300	1 lt $\approx$ 1.62 kg	25 ml 40. —	100 ml 145. —
52520	$\alpha,\alpha,\alpha,\alpha',\alpha',\alpha'$-Hexafluoro-m-xylene [1,3-Bis(trifluoromethyl)benzene] 6.1/23 $\text{C}_6\text{H}_4(\text{CF}_3)_2$ $\text{C}_8\text{H}_4\text{F}_6$ M_r 214.11 [402-31-3] purum >99%(GC); B.P. 115-117°; d_4^{20} 1.394; n_D^{20} 1.381	1 lt $\approx$ 1.39 kg	50 ml 21. —	250 ml 90. —

Hexahydroacetophenone see 29465 Acetylcyclohexane

Hexahydro-2(1H)-azocinone see 75173 Oenantholactam

Hexahydrobenzoic acid see 28950 Cyclohexanecarboxylic acid

Hexahydrobenzonitrile see 28970 Cyclohexanecarbonitrile

Hexahydrobenzyl alcohol see 55640 Hydroxymethylcyclohexane

Hexahydro-o-cresol see 66320 2-Methylcyclohexanol

Hexahydro-m-cresol see 66330 3-Methylcyclohexanol

Hexahydro-p-cresol see 66360 4-Methylcyclohexanol

Hexahydrocumene see 59400 Isopropylcyclohexane

2,3,4,5,6,7-Hexahydro-1H-1,4-diazepine see 53585 Homopiperazine

Hexahydro-N,N-diethylaniline see 32100 N,N-Diethylcyclohexylamine

Hexahydrohydroquinone see 29040 1,4-Cyclohexanediol

Hexahydroindan see 53932 Hydrindan (cis + trans)

Hexahydroisonicotinic acid see 80650 Piperidine-4-carboxylic acid

Hexahydromesitylene see 92390 1,3,5-Trimethylcyclohexane (cis + trans)

52570	cis-Hexahydrophthalic anhydride (cis-Cyclohexane-1,2-dicarboxylic anhydride) $\text{C}_8\text{H}_{10}\text{COOCO}$ $\text{C}_8\text{H}_{10}\text{O}_3$ M_r 154.17 [13149-00-3] purum $\sim$ 97%(NT); M.P. 30-32°	250 g 10. —	1 kg 35. —
-------	---	-------------	------------

Hexahydropyridine see 80640 Piperidine

Hexahydroresorcinol see 29020 1,3-Cyclohexanediol (cis + trans)

trans-Hexahydroterephthalic acid see 52581 trans-Cyclohexane-1,4-dicarboxylic acid

Hexahydrothiophenol see 29461 Cyclohexylmercaptan

Hexahydrothymol see 63670 ($\pm$)-Menthol

Hexahydrotoluene see 66290 Methylcyclohexane

4,4',5,5',8,8'-Hexahydroxydiphenic acid dilactone see 45140 Ellagic acid

3,3',4',5,5',7-Hexahydroxyflavone see 70050 Myricetin

Hexahydroxylol see Dimethylcyclohexane

52590	Hexamethonium bromide [Hexane-1,6-bis(trimethylammonium bromide)] $(\text{CH}_3)_3\text{N}(\text{Br})(\text{CH}_2)_6\text{N}(\text{Br})(\text{CH}_3)_3$ $\text{C}_{12}\text{H}_{30}\text{Br}_2\text{N}_2$ M_r 362.20 [55-97-0] purum $\sim$ 97%(Br); M.P. $\sim$ 285° dec.	100 g 55. —
-------	---	-------------

			sFr.	sFr.
52600	Hexamethonium chloride purum [Hexane-1,6-bis(trimethylammonium chloride)] (CH ₃) ₃ N(Cl)(CH ₂) ₆ N(Cl)(CH ₃) ₃ ·2H ₂ O C ₁₂ H ₃₀ Cl ₂ N ₂ ·2H ₂ O M _r 309.33 [60-25-3]		100 g 35.—	500 g 145.—
52610	Hexamethonium iodide [Hexane-1,6-bis(trimethylammonium iodide)] (CH ₃) ₃ N(I)(CH ₂) ₆ N(I)(CH ₃) ₃ C ₁₂ H ₃₀ I ₂ N ₂ M _r 456.20 [870-62-2] purum >99%(I); M.P. 280-282° dec.		100 g 20.—	
	Hexamethylacetone see 34740 2,2,4,4-Tetramethyl-3-pentanone			
52611	Hexamethylbenzene purum >99%(GC); M.P. 164-166°; B.P. 264° (Lit.) 6.1/81g C ₆ (CH ₃) ₆ C ₁₂ H ₁₈ M _r 162.28 [87-85-4]		50 g 18.—	250 g 75.—
52615	2,2',4,4',6,6'-Hexamethyl-benzophenone purum >99%(HPLC); M.P. 138-140° (CH ₃) ₃ C ₆ H ₂ COC ₆ H ₂ (CH ₃) ₃ C ₁₉ H ₂₂ O M _r 266.38 [5623-45-0]		10 g 35.—	50 g 145.—
52617	Hexamethyldisilane 3/1a; 11° (CH ₃) ₃ SiSi(CH ₃) ₃ C ₆ H ₁₈ Si ₂ M _r 146.38 [1450-14-2] pract. ~95%(GC); B.P. 111-113°; d ₄ ²⁰ 0.729; n _D ²⁰ 1.421; Starting material for a convenient preparation of trimethylsilyllithium and trimethylsilylpotassium: P. B. Dervan, M. A. Shippey, J. Am. Chem. Soc. 98 , 1265 (1976); ibid. J. Org. Chem. 42 , 2654 (1977); W. C. Still, J. Org. Chem. 41 , 3063 (1976); for the preparation of silyl enol ethers: P. Gervail, E. Frainnet, J. Organomet. Chem. 153 , 137 (1978)	1 lt ≈ 0.73 kg	5 ml 34.—	25 ml 145.—
52619	Hexamethyldisilazane, HMDS 3/1a; 14° (CH ₃) ₃ SiNHSi(CH ₃) ₃ C ₆ H ₁₉ NSi ₂ M _r 161.40 [999-97-3] puriss. >99%(GC); B.P. 124-127°; d ₄ ²⁰ 0.774; n _D ²⁰ 1.408; Important silylating agent: C. F. Poole in "Handbook of Derivatives for Chromatography", K. Blau, G. S. King ed., Heyden & Son Ltd., London, 152 (1977)	1 lt ≈ 0.77 kg	50 ml 15.—	250 ml 63.—
52620	purum >98%(GC); B.P. 124-127°; d ₄ ²⁰ 0.774; n _D ²⁰ 1.407	1 lt ≈ 0.77 kg	50 ml 11.—	250 ml 46.—
	Hexamethyldisilazane Sodium salt see 71305 Sodium bis(trimethylsilyl)amide			
52630	Hexamethyldisiloxane, HMDSO 8/23a; -1° (CH ₃) ₃ SiOSi(CH ₃) ₃ C ₆ H ₁₈ OSi ₂ M _r 162.38 [107-46-0] puriss. ~99%(GC); B.P. 99-101°; d ₄ ²⁰ 0.759; n _D ²⁰ 1.377	1 lt ≈ 0.76 kg	100 ml 14.—	500 ml 60.—
52643	Hexamethyldisilthiane <25° (CH ₃) ₃ SiSiSi(CH ₃) ₃ C ₆ H ₁₈ SSi ₂ M _r 178.45 [3385-94-2] purum; very hygroscopic; very poisonous; B.P. 65-67°; d ₄ ²⁰ 0.851; Reagent for the transfer of sulfur to carbon: E. W. Abel et al., J. Chem. Soc. 2455 (1964); L. N. Markovskii et al., Zh. Org. Khim. 8 , 1822 (1972); D. N. Harpp, K. Steilou, Synthesis 721 (1976); for the reduction of sulfoxides: H. S. D. Soysa, W. P. Weber, Tetrahedron Lett. 235 (1978)	1 lt ≈ 0.85 kg	5 ml 26.—	25 ml 110.—
	Hexamethylene chlorohydrin see 24791 6-Chloro-1-hexanol			
	Hexamethylenediamine see 33000 1,6-Diaminohexane			
	Hexamethylene dibromide see 34191 1,6-Dibromohexane			
	Hexamethylene dichloride see 35860 1,6-Dichlorohexane			
	Hexamethylene dicyanide see 60980 Suberonitrile			
52649	Hexamethylene diisocyanate (1,6-Diisocyanatohexane) 6.1/21 OCN(CH ₂) ₆ NCO C ₈ H ₁₂ N ₂ O ₂ M _r 168.20 [822-06-0] puriss. biochim. >99%(GC); B.P. 61°; d ₄ ²⁰ 1.045; n _D ²⁰ 1.453; hygroscopic; bifunctional reagent	1 lt ≈ 1.05 kg	25 ml 8.—	100 ml 25.—
52650	pract. >95%(GC); B.P. 82-85°; d ₄ ²⁰ 1.05; n _D ²⁰ 1.453	1 lt ≈ 1.05 kg	250 ml 14.—	1 lt 50.—
	Hexamethylene dimercaptan see 52820 1,6-Hexanedithiol			
	Hexamethylenedinitrilotetraacetic acid see 33020 1,6-Diaminohexane-N,N,N',N'-tetraacetic acid			
	Hexamethylene glycol see 52800 1,6-Hexanediol			
52660	Hexamethylenimine 8/35; 22° CH ₂ (CH ₂) ₅ NH C ₆ H ₁₁ N M _r 99.18 [111-49-9] purum >97%(GC); B.P. 135-138°; d ₄ ²⁰ 0.879; n _D ²⁰ 1.467	1 lt ≈ 0.88 kg	250 ml 11.—	1 lt 38.—
52680	2-(Hexamethylenimine)ethyl chloride hydrochloride purum >98%(Cl); M.P. 207-210° CH ₂ (CH ₂) ₅ NCH ₂ CH ₂ Cl.HCl C ₈ H ₁₈ ClN.HCl M _r 198.14 [26487-67-2]		25 g 18.—	100 g 65.—

sFr.

sFr.

Hexamethylene oxide (Oxepane)

3/1a; 16° $\text{CH}_2(\text{CH}_2)_5\text{O}$ $\text{C}_6\text{H}_{12}\text{O}$ M_r 100.16 [592-90-5]

52701 purum >97%(GC); B.P. 118-120°; d_4^{20} 0.903; n_D^{20} 1.440 1 lt ≈ 0.90 kg 250 ml 21.— 1 lt 75.—

Hexamethylenetetramine (Urotropine)

8/35 $(\text{CH}_2)_6\text{N}_4$ $\text{C}_6\text{H}_{12}\text{N}_4$ M_r 140.19 [100-97-0]

52710 purum Ph. Helv. >99%(T); 1 g clearly soluble in 10 ml water; A versatile reagent for the preparation of primary amines, aromatic formyl groups and N-heterocycles: N. Blažević et al., Synthesis 161 (1979) 1 kg 11.— 5 kg 44.—

Hexamethylphosphoramide (HMPA; Hexamethylphosphoric acid triamide;

6.1/81a Tris(dimethylamino)-phosphine oxide]

$[(\text{CH}_3)_2\text{N}]_3\text{PO}$ $\text{C}_6\text{H}_{18}\text{N}_3\text{OP}$ M_r 179.20 [680-31-9]

52730 purum ~97%(N); M.P. 6-8°; d_4^{20} 1.024; n_D^{20} 1.459; H_2O <0.05% 1 lt ≈ 1.02 kg 100 ml 10.— 500 ml 40.—

74713 **Hexamethylphosphoramide- d_{18}** purum >99 Atom% D 1 lt ≈ 1.14 kg 1 ml 70.—
6.1/81a $[(\text{CD}_3)_2\text{N}]_3\text{PO}$ $\text{C}_6\text{D}_{18}\text{N}_3\text{OP}$ M_r 197.31 [51219-90-0]

Hexamethylphosphorous triamide see 93338 Tris(dimethylamino)phosphine

2,6,10,15,19,23-Hexamethyltetracosane see 85630 Squalane

52740 **Hexammincobalt trichloride** purum >99%(Cl) 25 g 10.— 100 g 32.—
 $[\text{Co}(\text{NH}_3)_6]\text{Cl}_3$ $\text{Cl}_3\text{CoH}_{18}\text{N}_6$ M_r 267.47 [10534-89-1]

Hexanal see 21520 Capronaldehyde

Hexane (Alkane C_6)

3/1a; -26° $\text{CH}_3(\text{CH}_2)_4\text{CH}_3$ C_6H_{14} M_r 86.18 [110-54-3]

52750 puriss. Standard for GC; >99.7%(GC); B.P. 69°; d_4^{20} 0.659; n_D^{20} 1.375 1 lt ≈ 0.66 kg 10 ml 20.— 50 ml 85.—

52760 for UV-Spectroscopy 1 lt ≈ 0.66 kg 250 ml 8.— 1 lt 25.—

Fluka-Guarantee:

Layer thickness: 1 cm; Reference cell: water

Wave length in nm: 210 220 230 240 250 260

Transmittance in %: 50 80 93 96 99 >99

52763 for pesticide residue analysis; Distilled in Glass; Original packaging of Burdick and Jackson Laboratories Inc. 1 quart ≈ 0.95 lt 25.—

52761 for Sequential analysis 1 lt ≈ 0.66 kg 250 ml 18.—

52762 for HPLC; B.P. 69°; n_D^{20} 1.375; UV cut-off 200 nm; solvent strength ϵ (Al_2O_3) 0.01; H_2O <0.02% 1 lt ≈ 0.66 kg 1 lt 18.— 2.5 lt 40.—

52765 puriss. p.a. B.P. 68-69°; d_4^{20} 0.659; n_D^{20} 1.375 1 lt ≈ 0.66 kg 100 ml 7.— 500 ml 18.— 2.5 lt 75.—

Fluka-Guarantee:

Assay (GC) >99.5 % Cobalt (Co) <0.00001 %

Residue on evaporation <0.002 % Nickel (Ni) <0.00001 %

Acid (as CH_3COOH) <0.002 % Copper (Cu) <0.000001%

Sulfure compounds <0.005 % Lead (Pb) <0.000001%

Thiophene passes test Cadmium (Cd) <0.000001%

Iron (Fe) <0.00005% Zinc (Zn) q0.000001%

52770 purum ~99%(GC); B.P. 68-69°; d_4^{20} 0.659; n_D^{20} 1.375; may contain traces of benzene 1 lt ≈ 0.66 kg 250 ml 9.— 1 lt 30.— 2.5 lt 67.—

52780 pract. >95%(GC); B.P. 67-69°; d_4^{20} 0.659; n_D^{20} 1.376 1 lt ≈ 0.66 kg 1 lt 13.— 5 lt 55.—

52790 **Hexane Fraction** purum B.P. 66-70°; d_4^{20} 0.660; n_D^{20} 1.375 1 lt ≈ 0.66 kg 1 lt 9.— 5 lt 32.—
3/1a; -26°

Hexane-1,6-bis(trimethylammonium bromide) see 52590 Hexamethonium bromide

Hexane-1,6-bis(trimethylammonium chloride) see 52600 Hexamethonium chloride

Hexane-1,6-bis(trimethylammonium iodide) see 52610 Hexamethonium iodide

1,6-Hexanediamine see 33000 1,6-Diaminohexane

52800 **1,6-Hexanediol** purum M.P. 41-43° (after drying); 1-3% water (Hexamethylene glycol) 250 g 7.— 1 kg 20.—
 $\text{HO}(\text{CH}_2)_6\text{OH}$ $\text{C}_6\text{H}_{14}\text{O}_2$ M_r 118.18 [629-11-8]

2,5-Hexanediol ("2,5-Hexylene glycol")

$\text{CH}_3\text{CH}(\text{OH})\text{CH}_2\text{CH}_2\text{CH}(\text{OH})\text{CH}_3$ $\text{C}_6\text{H}_{14}\text{O}_2$ M_r 118.18 [2935-44-6]

52810 purum >97%(GC); B.P. 85-90°; d_4^{20} 0.960; n_D^{20} 1.448 1 lt ≈ 0.96 kg 250 ml 12.— 1 lt 40.—

2,5-Hexanedione see 00770 Acetylacetone

52820 **1,6-Hexanedithiol** purum B.P. 100-102° (Hexamethylene dimercaptan) 1 lt ≈ 1.00 kg 10 ml 12.— 50 ml 50.—
6.1/81a $\text{HS}(\text{CH}_2)_6\text{SH}$ $\text{C}_6\text{H}_{14}\text{S}_2$ M_r 150.31 [1191-43-1]

					sFr.	sFr.
Hexanesulfonic acid Sodium salt monohydrate						
	$\text{CH}_3(\text{CH}_2)_4\text{CH}_2\text{SO}_3\text{Na}\cdot\text{H}_2\text{O}$	$\text{C}_6\text{H}_{13}\text{NaO}_3\text{S}\cdot\text{H}_2\text{O}$	M_r 206.24	[2832-45-3]		
52865	purum >98%(T); for Ion-Pair-Chromatography				10 g	30. —
1-Hexanethiol (Hexylmercaptan; Mercaptan C_6)						
	3/3; 30°	$\text{CH}_3(\text{CH}_2)_5\text{SH}$	$\text{C}_6\text{H}_{14}\text{S}$	M_r 118.24		
52870	purum >97%(GC); B.P. 148-150°; d_4^{20} 0.840; n_D^{20} 1.449				1 lt $\approx$ 0.84 kg	25 ml 10. — 100 ml 32. — 500 ml 135. —
52890	3-Hexanethiol purum >97%(GC); B.P. 55-57°; d_4^{20} 0.838; n_D^{20} 1.446 6.1/81a; 26° $\text{CH}_3\text{CH}_2\text{CH}_2\text{CH}(\text{SH})\text{CH}_2\text{CH}_3$ $\text{C}_6\text{H}_{14}\text{S}$ M_r 118.24 [1633-90-5]				1 lt $\approx$ 0.84 kg	5 ml 32. — 25 ml 135. —
52900	1,2,6-Hexanetriol pract. B.P. 145-147°; d_4^{20} 1.105; n_D^{20} 1.476 $\text{HO}(\text{CH}_2)_4\text{CH}(\text{OH})\text{CH}_2\text{OH}$ $\text{C}_6\text{H}_{14}\text{O}_3$ M_r 134.18 [106-69-4]				1 lt $\approx$ 1.11 kg	250 ml 29. — 1 lt 105. —
2,2',4,4',6,6'-Hexanitrodiphenylamine [C.I. Nr. 10360] (Dipicrylamine)						
		$(\text{NO}_2)_3\text{C}_6\text{H}_2\text{NHC}_6\text{H}_2(\text{NO}_2)_3$	$\text{C}_{12}\text{H}_5\text{N}_7\text{O}_{12}$	M_r 439.21	[131-73-7]	
43450	puriss. p.a. moistened with ~50% water; M.P. 242-244° dec.; Detection and Determination: Be, Cs, Hg, K, Pb, Rb, Tl, Zr				25 g	24. —
2,2',4,4',6,6'-Hexanitrodiphenylamine Ammonium salt see 11350 Aurantia						
Hexanoic acid see 21529 Caproic acid						
1-Hexanol (Alcohol C_6 ; Hexyl alcohol)						
	3/4; 74°	$\text{CH}_3(\text{CH}_2)_5\text{OH}$	$\text{C}_6\text{H}_{14}\text{O}$	M_r 102.18	[111-27-3]	
52830	puriss. >99%(GC); B.P. 156-157°; d_4^{20} 0.818; n_D^{20} 1.418				1 lt $\approx$ 0.82 kg	100 ml 14. — 500 ml 60. —
52840	purum ~97%(GC); B.P. 154-158°; d_4^{20} 0.818; n_D^{20} 1.418				1 lt $\approx$ 0.82 kg	1 lt 16. — 5 lt 67. —
2-Hexanol (Butyl methyl carbinol)						
	3/4; 58°	$\text{CH}_3(\text{CH}_2)_3\text{CH}(\text{OH})\text{CH}_3$	$\text{C}_6\text{H}_{14}\text{O}$	M_r 102.18	[626-93-7]	
52850	purum >98%(GC); B.P. 137-140°; d_4^{20} 0.814; n_D^{20} 1.415				1 lt $\approx$ 0.81 kg	25 ml 12. — 100 ml 40. —
3-Hexanol (Ethyl propyl carbinol)						
	3/3; 45°	$\text{CH}_3\text{CH}_2\text{CH}_2\text{CH}(\text{OH})\text{CH}_2\text{CH}_3$	$\text{C}_6\text{H}_{14}\text{O}$	M_r 102.18	[623-37-0]	
52860	pract. ~95%(GC); B.P. 135° (Lit.); d_4^{20} 0.818; n_D^{20} 1.417				1 lt $\approx$ 0.82 kg	50 ml 20. — 250 ml 85. —
6-Hexanolactone see 21510 6-Caprolactone monomer						
2-Hexanone (Butyl methyl ketone)						
	3/3; 31°	$\text{CH}_3(\text{CH}_2)_3\text{COCH}_3$	$\text{C}_6\text{H}_{12}\text{O}$	M_r 100.16	[591-78-6]	
20260	puriss. >99%(GC); B.P. 126-128°; d_4^{20} 0.811; n_D^{20} 1.401				1 lt $\approx$ 0.81 kg	10 ml 8. — 50 ml 26. —
20270	purum ~98%(GC); B.P. 126-128°; d_4^{20} 0.810; n_D^{20} 1.401				1 lt $\approx$ 0.81 kg	100 ml 22. — 500 ml 90. —
3-Hexanone (Ethyl propyl ketone)						
	3/1a; 14°	$\text{CH}_3\text{CH}_2\text{CH}_2\text{COC}_2\text{H}_5$	$\text{C}_6\text{H}_{12}\text{O}$	M_r 100.16	[589-38-8]	
04760	pract. ~96%(GC); B.P. 122-124°; d_4^{20} 0.814; n_D^{20} 1.399				1 lt $\approx$ 0.81 kg	100 ml 40. — 500 ml 170. —
Hexanoyl chloride see 21590 Caproyl chloride						
1,4,7,10,13,16-Hexaoxacyclooctadecane see 28125 18-Crown-6						
4,7,13,16,21,24-Hexaoxa-1,10-diazabicyclo[8.8.8]-hexacosane (Kryptofix® 222)						
		$\text{C}_{18}\text{H}_{36}\text{N}_2\text{O}_6$	M_r 376.50	[23978-09-8]		
52910	puriss. M.P. 70-72°				1 g	38. —
2,5,8,15,18,21-Hexaoxatricyclo[20.4.0.0^{8,14}]-hexacosane see 36665 Dicyclohexano-18-crown-6						
Hexapropyldistannoxane see 15260 Bis(tripropyltin) oxide						
52920	Hexatriacontane pract. >95%; M.P. 72-76°; $\text{H}_2\text{O} < 1\%$ (Alkane C_{36}) $\text{CH}_3(\text{CH}_2)_{34}\text{CH}_3$ $\text{C}_{36}\text{H}_{74}$ M_r 506.99 [630-06-8]				10 g	12. — 50 g 50. —
trans-2-Hexen-1-al						
	3/3; 30°	$\text{CH}_3\text{CH}_2\text{CH}_2\text{CH}:\text{CHCHO}$	$\text{C}_6\text{H}_{10}\text{O}$	M_r 98.15	[6728-26-3]	
53000	pract. ~97%(GC); B.P. 146-149°; contains <2% 2-Hexenoic acid; d_4^{20} 0.847; n_D^{20} 1.446				1 lt $\approx$ 0.85 kg	25 ml 17. — 100 ml 60. —
1-Hexene						
	3/1a; -25°	$\text{CH}_3(\text{CH}_2)_3\text{CH}:\text{CH}_2$	C_6H_{12}	M_r 84.16	[592-41-6]	
52930	puriss. Standard for GC; >99.9%(GC); B.P. 62-63°; d_4^{20} 0.673; n_D^{20} 1.388				1 lt $\approx$ 0.67 kg	10 ml 35. — 50 ml 145. —
52940	purum ~99%(GC); B.P. 62-64°; d_4^{20} 0.673; n_D^{20} 1.388				1 lt $\approx$ 0.67 kg	100 ml 10. — 500 ml 42. —
52950	pract. >98%(GC); B.P. 61-64°; d_4^{20} 0.673; n_D^{20} 1.388				1 lt $\approx$ 0.67 kg	250 ml 9. — 1 lt 30. —

			sFr.	sFr.
	cis-2-Hexene			
	3/1a; -25° CH ₃ CH ₂ CH ₂ CH:CHCH ₃ C ₆ H ₁₂ M _r 84.16 [7688-21-3]			
52955	purum >98%(GC); B.P. 68-70°; d ₄ ²⁰ 0.687; n _D ²⁰ 1.398	1 lt ≈ 0.69 kg	5 ml 32. —	25 ml 135. —
	trans-2-Hexene purum ~98%(GC); B.P. 65-67°; d ₄ ²⁰ 0.677; n _D ²⁰ 1.394	1 lt ≈ 0.68 kg	5 ml 26. —	25 ml 110. —
52960	3/1a; -25° CH ₃ CH ₂ CH ₂ CH:CHCH ₃ C ₆ H ₁₂ M _r 84.16 [4050-45-7]			
	trans-3-Hexene purum >99%(GC); B.P. 66-68°; d ₄ ²⁰ 0.677; n _D ²⁰ 1.394	1 lt ≈ 0.68 kg	5 ml 37. —	25 ml 155. —
52990	3/1a; -25° CH ₃ CH ₂ CH:CHCH ₂ CH ₃ C ₆ H ₁₂ M _r 84.16 [13269-52-8]			
	trans-3-Hexenedioic acid (2-Butene-1,4-dicarboxylic acid; Dihydromuconic acid)			
	HOOCCH ₂ CH:CHCH ₂ COOH C ₆ H ₈ O ₄ M _r 144.13 [4436-74-2]			
53020	purum >97%(GC); M.P. 195-197°; 1 g clearly soluble in 10 ml Methanol		50 g 21. —	250 g 90. —
	2-Hexenedinitrile (cis + trans) see 53035 1,4-Dicyano-1-butene			
	trans-3-Hexenedinitrile see 53030 1,4-Dicyano-2-butene			
	trans-2-Hexenoic acid			
	CH ₃ CH ₂ CH ₂ CH:CHCOOH C ₆ H ₁₀ O ₂ M _r 114.15 [13419-69-7]			
53074	purum >98%(GC); M.P. 32-34°; 1 g clearly soluble in 10 ml Methanol		10 g 22. —	50 g 90. —
	1-Hexen-3-ol (Propyl vinyl carbinol)			
	3/3; 42° CH ₃ CH ₂ CH ₂ CH(OH)CH:CH ₂ C ₆ H ₁₂ O M _r 100.16 [4798-44-1]			
53040	purum >98%(GC); B.P. 132-134°; d ₄ ²⁰ 0.834; n _D ²⁰ 1.429	1 lt ≈ 0.83 kg	5 ml 15. —	25 ml 63. —
	5-Hexen-1-ol purum >97%(GC); B.P. 56°; d ₄ ²⁰ 0.846; n _D ²⁰ 1.435	1 lt ≈ 0.85 kg	5 ml 24. —	25 ml 100. —
53050	3/3; 48° HOCH ₂ (CH ₂) ₃ CH:CH ₂ C ₆ H ₁₂ O M _r 100.16 [821-41-0]			
	trans-2-Hexen-1-ol			
	3/4; 64° CH ₃ CH ₂ CH ₂ CH:CHCH ₂ OH C ₆ H ₁₂ O M _r 100.16 [928-95-0]			
53057	pract. ~95%(GC); B.P. 158-160°; d ₄ ²⁰ 0.843; n _D ²⁰ 1.438	1 lt ≈ 0.84 kg	25 ml 29. —	100 ml 105. —
	4-Hexen-3-ol (cis + trans) (Ethyl propenyl carbinol)			
	3/3; 46° CH ₃ CH ₂ CH(OH)CH:CHCH ₃ C ₆ H ₁₂ O M _r 100.16 [4798-58-7]			
53060	purum ~96%(GC); B.P. 136-138°; d ₄ ²⁰ 0.843; n _D ²⁰ 1.434	1 lt ≈ 0.84 kg	10 ml 35. —	50 ml 145. —
	5-Hexen-2-one (Allylacetone)			
	3/3; 24° CH ₃ COCH ₂ CH ₂ CH:CH ₂ C ₆ H ₁₀ O M _r 98.15 [109-49-9]			
53070	purum >99%(GC); B.P. 130° (Lit.); d ₄ ²⁰ 0.841; n _D ²⁰ 1.419	1 lt ≈ 0.84 kg	50 ml 29. —	250 ml 120. —
	Hexokinase ex yeast (EC 2.7.1.1) [9001-51-8]			
53110	puriss. p.a. Crystal suspension in 3.2 M Ammonium sulfate-solution; pH ~6;		10 mg 60. —	
	~140 U/mg (25°C; Glucose and ATP as Substrate); store in refrigerator		250 mg 33. —	1 g 120. —
53115	20 U/mg; saltfree; lyophilised; store in refrigerator			
	Hexyl acetate			
	3/3; 41° CH ₃ COO(CH ₂) ₅ CH ₃ C ₈ H ₁₈ O ₂ M _r 144.22 [142-92-7]			
45900	puriss. Isomer free; ~99%(GC); B.P. 167-169°; d ₄ ²⁰ 0.873; n _D ²⁰ 1.409	1 lt ≈ 0.87 kg	50 ml 10. —	250 ml 40. —
	Hexyl alcohol see 52830 1-Hexanol			
	Hexylamine (Amine C ₆ ; 1-Amino-hexane)			
	8/35; 29° CH ₃ (CH ₂) ₅ NH ₂ C ₆ H ₁₅ N M _r 101.19 [111-26-2]			
53130	puriss. >99%(GC); B.P. 129-131°; d ₄ ²⁰ 0.765; n _D ²⁰ 1.418	1 lt ≈ 0.76 kg	100 ml 12. —	500 ml 50. —
53131	purum ~99%(GC); B.P. 127-130°; d ₄ ²⁰ 0.765; n _D ²⁰ 1.418	1 lt ≈ 0.76 kg	250 ml 12. —	1 lt 40. —
	Hexylbenzene (1-Phenylhexane)			
	3/3 C ₆ H ₅ (CH ₂) ₅ CH ₃ C ₁₂ H ₁₈ M _r 162.28 [1077-16-3]			
53159	purum ~99%(GC); B.P. 226-227° (Lit.); d ₄ ²⁰ 0.857; n _D ²⁰ 1.486	1 lt ≈ 0.86 kg	25 ml 24. —	100 ml 90. —
53160	pract. ~97%(GC); d ₄ ²⁰ 0.857; n _D ²⁰ 1.486	1 lt ≈ 0.86 kg	25 ml 13. —	100 ml 45. —
	4-Hexylbenzoic acid			
	CH ₃ (CH ₂) ₄ CH ₂ C ₆ H ₄ COOH C ₁₃ H ₁₈ O ₂ M _r 206.29 [21643-38-9]			
53132	purum liquid crystal >99%(T); M.P. 95-97°; 1 g clearly soluble in 10 ml Methanol		1 g 30. —	5 g 125. —
	Hexyl bromide see 17320 1-Bromohexane			
	Hexyl chloride see 24770 1-Chlorohexane			
	"Hexylene glycol" see 68340 2-Methyl-2,4-pentanediol			
	"2,5-Hexylene glycol" see 52810 2,5-Hexanediol			
	Hexyl iodide see 57890 1-Iodohexane			
	Hexyl mercaptan see 52870 1-Hexanethiol			

			sFr.	sFr.
53211	N-Hexylmethylaniline purum B.P. 140-142° (N-Methylhexylaniline) 8/35; 31° $\text{CH}_3\text{NH}(\text{CH}_2)_5\text{CH}_3$ $\text{C}_7\text{H}_{17}\text{N}$ M_r 115.22 [35161-70-7]	1 lt $\approx$ 0.76 kg	10 ml 25. —	50 ml 105. —
	Hexyl methyl carbinol see 74860 2-Octanol			
	Hexyl methyl ketone see 53220 2-Octanone			
	Hexyl propyl ketone see 53250 4-Decanone			
	4-Hexylresorcinol $\text{CH}_3(\text{CH}_2)_4\text{CH}_2\text{C}_6\text{H}_3(\text{OH})_2$ $\text{C}_{12}\text{H}_{18}\text{O}_2$ M_r 194.26 [136-77-6]			
53260	purum >98%(HPLC); M.P. 67-69°; 0.5 g clearly soluble in 10 ml Chlf.		25 g 18. —	
53080	1-Hexyne purum $\sim$ 99%(GC); B.P. 69-71°; d_4^{20} 0.716; n_D^{20} 1.399 3/1a; <10° $\text{CH}_3(\text{CH}_2)_3\text{C}\equiv\text{CH}$ C_6H_{10} M_r 82.15 [693-02-7]	1 lt $\approx$ 0.72 kg	25 ml 33. —	100 ml 85. —
53082	3-Hexyne-2,5-diol techn. Mixture of racemic + meso Form $\text{CH}_3\text{CH}(\text{OH})\text{C}\equiv\text{CCH}(\text{OH})\text{CH}_3$ $\text{C}_6\text{H}_{10}\text{O}_2$ M_r 114.15 [3031-66-1]		100 g 11. —	500 g 46. —
53100	1-Hexyne-3-ol pract. $\sim$ 97%(GC); B.P. 140-143°; d_4^{20} 0.875; n_D^{20} 1.435 3/3; 41° $\text{CH}_3\text{CH}_2\text{CH}_2\text{CH}(\text{OH})\text{C}\equiv\text{CH}$ $\text{C}_6\text{H}_{10}\text{O}$ M_r 98.15 [105-31-7]	1 lt $\approx$ 0.88 kg	100 ml 18. —	500 ml 75. —
	HFBA see 77249 and 77251 Heptafluorbutyric acid and anhydride			
	HFIP see 52512 1,1,1,3,3,3-Hexafluoro-2-propanol			
	HF-Pyridine see 47586 Hydrogen fluoride pyridine			
	Hippuric acid (Benzoylaminoacetic acid; N-Benzoylglycine) $\text{C}_6\text{H}_5\text{CONHCH}_2\text{COOH}$ $\text{C}_9\text{H}_9\text{NO}_3$ M_r 179.18 [495-69-2]			
53280	purum $\sim$ 99(T); M.P. 186-189°		250 g 12. —	1 kg 40. —
	Histamine Base [2-(4-Imidazolyl)ethylamine] 6.1/21 $\text{NHCH:NCH:CCH}_2\text{CH}_2\text{NH}_2$ $\text{C}_5\text{H}_9\text{N}_3$ M_r 111.15 [51-45-6]			
53290	purum >97%(NT); M.P. 83-86°; hygroscopic; store in refrigerator		1 g 14. —	5 g 60. —
	Histamine dihydrochloride 6.1/21 $\text{NHCH:NCH:CCH}_2\text{CH}_2\text{NH}_2 \cdot 2\text{HCl}$ $\text{C}_5\text{H}_9\text{N}_3 \cdot 2\text{HCl}$ M_r 184.07 [56-92-8]			
53300	puriss. >99%(Cl); M.P. 244-246°; 1 g clearly soluble in 10 ml water		5 g 18. —	25 g 75. —
53310	Histamine diphosphate Monohydrate puriss. >99%(T); M.P. 128-132° 6.1/21 $\text{NHCH:NCH:CCH}_2\text{CH}_2\text{NH}_2 \cdot 2\text{H}_3\text{PO}_4 \cdot \text{H}_2\text{O}$ $\text{C}_5\text{H}_9\text{N}_3 \cdot 2\text{H}_3\text{PO}_4 \cdot \text{H}_2\text{O}$ M_r 325.16 [51-74-1]		5 g 29. —	25 g 120. —
	L-Histidine [2-Amino-3-(4-imidazolyl)propionic acid] $\text{NHCH:NCH:CCH}_2\text{CH}(\text{NH}_2)\text{COOH}$ $\text{C}_6\text{H}_9\text{N}_3\text{O}_2$ M_r 155.16 [71-00-1]			
53320	puriss. p.a. $[\alpha]_{546}^{20} - 46.0 \pm 1^\circ$; $[\alpha]_D^{20} - 39.0 \pm 1^\circ$ (c = 5 in water) Fluka-Guarantee: Assay >99.0% Ammonium (NH_4) <0.05 % Other amino acids <0.3 % Copper (Cu) <0.0001% Loss on drying <0.5 % Lead (Pb) <0.0001% Residue on ignition (as SO_4) <0.1 % Iron (Fe) <0.0005% Chloride (Cl) <0.1 % Zinc (Zn) <0.0001% Sulfate (SO_4) <0.01% Cadmium (Cd) <0.0001%		25 g 13. —	100 g 45. —
53321	D-Histidine puriss. $\sim$ 99%(N); M.P. 280-290° dec.; $[\alpha]_{546}^{20} + 46.0 \pm 1^\circ$; $[\alpha]_D^{20} + 39.0 \pm 1^\circ$ (c = 5 in water) $\text{NHCH:NCH:CCH}_2\text{CH}(\text{NH}_2)\text{COOH}$ $\text{C}_6\text{H}_9\text{N}_3\text{O}_2$ M_r 155.16 [351-50-8]		1 g 12. —	10 g 95. —
	DL-Histidine $\text{NHCH:NCH:CCH}_2\text{CH}(\text{NH}_2)\text{COOH}$ $\text{C}_6\text{H}_9\text{N}_3\text{O}_2$ M_r 155.16 [4998-57-6]			
53330	puriss. CHR; >99%(NT) + $\sim$ 1% DL-Histidine monohydrochloride; M.P. 280-285° dec.		10 g 25. —	50 g 105. —
	L-Histidine dihydrochloride $\text{NHCH:NCH:CCH}_2\text{CH}(\text{NH}_2)\text{COOH} \cdot 2\text{HCl}$ $\text{C}_6\text{H}_9\text{N}_3\text{O}_2 \cdot 2\text{HCl}$ M_r 228.08 [1007-42-7]			
53340	puriss. CHR; >99%(Cl); M.P. 240-245° dec.; $[\alpha]_{546}^{20} + 8.0 \pm 1^\circ$; $[\alpha]_D^{20} + 6.5 \pm 1^\circ$ (c = 8 in water)		10 g 25. —	50 g 105. —
	L-Histidine methyl ester dihydrochloride $\text{NHCH:NCH:CCH}_2\text{CH}(\text{NH}_2)\text{COOCH}_3 \cdot 2\text{HCl}$ $\text{C}_7\text{H}_{11}\text{N}_3\text{O}_2 \cdot 2\text{HCl}$ M_r 242.11 [7389-87-9]			
53360	puriss. >99%(Cl); $[\alpha]_{546}^{20} + 12 \pm 1^\circ$; $[\alpha]_D^{20} + 10 \pm 1^\circ$ (c = 2 in water)		10 g 18. —	50 g 75. —



sFr.

sFr.

L-Histidine monohydrochloride Monohydrate

$\text{NHCH:NCH:CCH}_2\text{CH(NH}_2\text{)COOH.HCl.H}_2\text{O}$ $\text{C}_6\text{H}_9\text{N}_3\text{O}_2\text{.HCl.H}_2\text{O}$ M_r 209.63

[5934-29-2]

puriss. p.a. $[\alpha]_{546}^{20} + 11.5 \pm 0.5^\circ$; $[\alpha]_D^{20} + 9.3 \pm 0.5^\circ$ (c = 5 in 5n HCl)

Fluka-Guarantee:

Assay	>99.0%	Copper (Cu)	<0.0001%
Other amino acids	<0.3 %	Lead (Pb)	<0.0005%
Residue on ignition (as SO_4)	<0.1 %	Iron (Fe)	<0.0005%
Sulfate (SO_4)	<0.01%	Zinc (Zn)	<0.0001%
Ammonium (NH_4)	<0.05%	Cadmium (Cd)	<0.0001%



53370

25 g 9. —

100 g 30. —

500 g 125. —

D-Histidine monohydrochloride Monohydrate

$\text{NHCH:NCH:CCH}_2\text{CH(NH}_2\text{)COOH.HCl.H}_2\text{O}$ $\text{C}_6\text{H}_9\text{N}_3\text{O}_2\text{.HCl.H}_2\text{O}$ M_r 209.63

[6341-24-8]

puriss. CHR >99% (Cl); M.P. $\sim 180^\circ$ dec.; $[\alpha]_{546}^{20} - 12.0 \pm 0.5^\circ$; $[\alpha]_D^{20} - 10.0 \pm 0.5^\circ$ (c = 5 in 5n HCl)

53380

5 g 34. —

25 g 145. —

DL-Histidine monohydrochloride Monohydrate

$\text{NHCH:NCH:CCH}_2\text{CH(NH}_2\text{)COOH.HCl.H}_2\text{O}$ $\text{C}_6\text{H}_9\text{N}_3\text{O}_2\text{.HCl.H}_2\text{O}$ M_r 209.63

[6459-59-2]

puriss. >99% (Cl); 1 g clearly soluble in 10 ml water

53390

10 g 14. —

50 g 60. —

L-Histidinol dihydrochloride

$\text{NHCH:NCH:CCH}_2\text{CH(NH}_2\text{)CH}_2\text{OH.2HCl}$ $\text{C}_6\text{H}_{11}\text{N}_3\text{O.2HCl}$ M_r 214.10

[1596-64-1]

purum >99% (Cl); M.P. $\sim 190^\circ$ dec.; $[\alpha]_{546}^{20} - 4.0 \pm 0.5^\circ$ (c = 2 in water)

53400

250 mg 14. —

1 g 50. —

Histone sulfate

purum ex Calf thymus; nativ according to Felix; Ash <1%; store in refrigerator

53420

250 mg 46. —

1 g 160. —

HMDS see 52619 Hexamethyldisilazane

HMDSO see 52630 Hexamethyldisiloxane

HMPA see 52730 Hexamethylphosphoramide

53430 **Holmium** puriss. 99.9% + 0.1% Er + Dy + other traces
Ho A_r 164.93 [7440-60-0]

1 g 22. —

5 g 90. —

53440 **Holmium(III)oxide** puriss. >99.9% + 0.1% Er_2O_3 + DY_2O_3 + other traces
 Ho_2O_3 M_r 377.86 [12055-62-8]

1 g 7. —

5 g 24. —

Homoanistic acid see 65200 4-Methoxyphenylacetic acid

DL-Homocysteine (2-Amino-4-mercaptobutyric acid)

$\text{HSCH}_2\text{CH}_2\text{CH(NH}_2\text{)COOH}$ $\text{C}_4\text{H}_9\text{NO}_2\text{S}$ M_r 135.19 [6027-13-0]

purum >97% (RT); M.P. 235-240° dec.; store in refrigerator

53510

250 mg 9. —

1 g 30. —

DL-Homocysteine thiolactone hydrochloride

$\text{SCH}_2\text{CH}_2\text{CH(NH}_2\text{)CO.HCl}$ $\text{C}_4\text{H}_7\text{NOS.HCl}$ M_r 153.63 [6038-19-3]

puriss. >99% (Cl); M.P. 203-205° dec.; Loss on drying <0.5%

53530

25 g 11. —

100 g 38. —

L-Homocystine

$\text{HOOCCH(NH}_2\text{)CH}_2\text{CH}_2\text{SSCH}_2\text{CH}_2\text{CH(NH}_2\text{)COOH}$ $\text{C}_8\text{H}_{16}\text{N}_2\text{O}_4\text{S}_2$ M_r 268.36

[626-72-2]

puriss. >99% (NT); M.P. >300°; $[\alpha]_{546}^{20} + 90 \pm 3^\circ$; $[\alpha]_D^{20} + 77 \pm 3^\circ$ (c = 1 in 1n HCl)

53540

250 mg 12. —

1 g 40. —

53550 **DL-Homocystine** puriss. >99% (NT); M.P. >300°; Ash <0.05%
 $\text{HOOCCH(NH}_2\text{)CH}_2\text{CH}_2\text{SSCH}_2\text{CH}_2\text{CH(NH}_2\text{)COOH}$ $\text{C}_8\text{H}_{16}\text{N}_2\text{O}_4\text{S}_2$ M_r 268.36
[462-10-2]

25 g 20. —

100 g 85. —

53560 **Homogentisic acid** purum $\sim 98\%$ (T); M.P. 147-150° (2,5-Dihydroxyphenylacetic acid)
 $(\text{HO})_2\text{C}_6\text{H}_3\text{CH}_2\text{COOH}$ $\text{C}_8\text{H}_8\text{O}_4$ M_r 168.15 [451-13-8]

250 mg 17. —

1 g 60. —

Homophthalic acid (2-Carboxyphenylacetic acid; α -Carboxy-o-toluic acid)

$\text{HOOCCH}_2\text{CH}_2\text{COOH}$ $\text{C}_8\text{H}_6\text{O}_4$ M_r 180.16 [89-51-0]

purum >98% (T); M.P. 180-182°; Ash <0.05%

53580

25 g 9. —

100 g 30. —

Homopiperazine (1,4-Diazacycloheptane; 2,3,4,5,6,7-Hexahydro-1H-1,4-diazepine)

$\text{HNCH}_2\text{CH}_2\text{CH}_2\text{NHCH}_2\text{CH}_2$ $\text{C}_5\text{H}_{12}\text{N}_2$ M_r 100.16 [505-66-8]

8/35
pract. >97% (NT); M.P. 38-40°

53585

10 g 11. —

50 g 44. —

sFr.

sFr.

Homopiperidinic acid see 09650 5-Amino-n-valeric acid**Homopiperonylic acid** see 66810 3,4-Methylenedioxyphenylacetic acid**L-Homoproline** see 80615 L-Pipecolinic acid**D-Homoproline** see 80617 D-Pipecolinic acid**Homopyrocatechol** see 53480 4-Methylcatechol**L-Homoserine** (2-Amino-4-hydroxybutyric acid)HOCH₂CH₂CH(NH₂)COOH C₄H₉NO₃ M_r 119.12 [672-15-1]

53600

puriss. ~99%(NT); M.P. ~205° dec.; [α]_D²⁰ -11±1°; [α]_D²⁰ -9±1° (c = 2 in water);
H₂O <0.1%

250 mg 21.—

1 g 75.—

53610

DL-Homoserine puriss. ~99%(NT); M.P. 180-185° dec.; Ash <0.05%

1 g 10.—

5 g 40.—

25 g 165.—

HOCH₂CH₂CH(NH₂)COOH C₄H₉NO₃ M_r 119.12 [1927-25-9]**Homovanillic acid** (4-Hydroxy-3-methoxyphenylacetic acid)CH₃OC₆H₃(OH)CH₂COOH C₉H₁₀O₄ M_r 182.18 [306-08-1]

53620

puriss. CHR; >99%(T); M.P. 142-143°; contains <0.3% Vanillic acid

250 mg 8.—

1 g 25.—

Homoveratric acid (3,4-Dimethoxyphenylacetic acid)(CH₃O)₂C₆H₃CH₂COOH C₁₀H₁₂O₄ M_r 196.21 [93-40-3]

53650

purum >98%(T); M.P. 96-98°; Ash <0.3%

100 g 25.—

500 g 105.—

Homoveratronitrile (3,4-Dimethoxybenzylcyanide; 3,4-Dimethoxyphenylacetoneitril)6.1/21 (CH₃O)₂C₆H₃CH₂CN C₁₀H₁₁NO₂ M_r 177.21 [93-17-4]

53630

purum M.P. 62-64°; 1 g clearly soluble in 10 ml Methanol

50 g 13.—

250 g 55.—

N-(Homoveratroyl)homoveratrylamine {N-[2-(3,4-Dimethoxyphenyl)ethyl]-3,4-dimethoxyphenyl acetamide}(CH₃O)₂C₆H₃CH₂CONHCH₂CH₂C₆H₃(OCH₃)₂ C₂₀H₂₅NO₅ M_r 359.43 [139-76-4]

53640

purum M.P. 123-125°

100 g 30.—

500 g 125.—

Homoveratrylamine [2-(3,4-Dimethoxyphenyl)ethylamine]8/35 (CH₃O)₂C₆H₃CH₂CH₂NH₂ C₁₀H₁₅NO₂ M_r 181.24 [120-20-7]

53660

pract. ~95%(GC); d₄²⁰ 1.096; n_D²⁰ 1.547

1 lt ≈ 1.09 kg

50 ml 13.—

250 ml 55.—

HONB see 56055 N-Hydroxy-5-norbornene-2,3-dicarboxylic acid imide**Hormones see****"Hormones(Factors)-other than Steroids" green section****HPLC see "Chromatography" green section****Hudson-Weber-Reagent** see 57672 N-(Iodoacetaminoethyl)-1-naphthylamine-5-sulfonic acid**Human Albumin** see 05420 Albumin human

53672

Human Calcitonin M, HCT synthetic (Calcitonin)

1 mg 500.—

H-Cys-Gly-Asn-Leu-Ser-Thr-Cys-Met-Leu-Gly-Thr-Tyr-Thr-Gln-Asp-Phe-Asn-

Lys-Phe-His-Thr-Phe-Pro-Gln-Thr-Ala-Ile-Gly-Val-Gly-Ala-Pro-NH₂ M_r 3418.00

53670

Human Big Gastrin I, HG-34 (Kenner-Harris-Structure)

1 mg 650.—

5 mg 2000.—

H-Pyr-Leu-Gly-Pro-Gln-Gly-His-Pro-Ser-Leu-Val-Ala-Asp-Pro-Ser-Lys-Lys-Gln-

Gly-Pro-Trp-Leu-Glu-Glu-Glu-Glu-Ala-Tyr-Gly-Trp-Met-Asp-Phe-NH₂(+ x NH₃) C₁₇₄H₂₄₉N₄₃O₅₄S M_r 3839.22

53671

Human Big Gastrin I, HG-34 store in refrigerator

1 mg 350.—

5 mg 875.—

H-Pyr-Leu-Gly-Pro-Glu-Gly-His-Pro-Ser-Leu-Val-Ala-Asp-Pro-Ser-Lys-Lys-Glu-

Gly-Pro-OH

53673

Human Gastrin I, HG-17 synthesized by classical procedures

1 mg 275.—

10 mg 1300.—

H-Pyr-Gly-Pro-Trp-Leu-Glu-Glu-Glu-Glu-Ala-Tyr-Gly-Trp-Met-Asp-Phe-NH₂(+ x NH₃) C₉₇H₁₂₄N₂₀O₃₁S M_r 2098.23

53669

Human Mini Gastrin I, HG-14 synthesized by classical procedures (2nd Gregory Structure)

5 mg 450.—

10 mg 850.—

H-Trp-Leu-Glu-Glu-Glu-Glu-Ala-Tyr-Gly-Trp-Met-Asp-Phe-NH₂ (+ x NH₃)C₈₈H₁₀₈N₁₇O₂₇S M_r 1832.96

53674

Human Mini Gastrin I, HG-13 synthesized by classical procedures (1st Gregory Structure)

5 mg 400.—

10 mg 750.—

H-Leu-Glu-Glu-Glu-Glu-Glu-Ala-Tyr-Gly-Trp-Met-Asp-Phe-NH₂ (+ x NH₃)C₇₄H₉₉N₁₅O₂₆S M_r 1646.75

		sFr.	sFr.
	Human Gastrin see also 61887 15-Leucine Human Gastrin I and 61893 11-Leucine Human Mini Gastrin I		
	Human β-Globulin see 48980 β -Globulin human		
	Human γ-Globulin see 48990 and 49000 γ -Globulin human		
	Human Transferrin see 90190 Transferrin human		
53680	Humic acid pract. Ash 10-15% M _r 600-1000	50 g 15. —	250 g 63. —
	α-Humulene (α -Caryophyllene) 3/4; 90° (CH ₃) ₂ CCH ₂ CH:C(CH ₃)CH ₂ CH ₂ CH:C(CH ₃)CH ₂ CH:CH C ₁₅ H ₂₄ M _r 204.36 [6753-98-6]		
53675	purum >98% (GC); B.P. 266-268°; d ₄ ²⁰ 0.889; n _D ²⁰ 0.503	1 lt $\approx$ 0.90 kg	5 ml 60. —
53730	Hyaluronic acid from Human umbilical cords (C ₁₄ H ₂₁ NO ₁₁) _n M _r (379.32) _n puriss. High polymer, lyophilised; Protein + Polypeptide <2%; Chondroitinsulfate <3%; store in refrigerator	10 mg 20. —	100 mg 130. —
53750	Hyaluronic acid Potassium salt from Human umbilical cords (C ₁₄ H ₂₀ KNO ₁₁) _n M _r 200 000-8 000 000 purum Protein + Polypeptide <10%; Chondroitinsulfate <25%	100 mg 40. —	1 g 280. —
53710	Hyaluronidase ex ovine Testes (EC 3.2.1.35) [37326-33-3] purum lyophilised salt free; >300 I.U./mg pharmaceutical purity; store in refrigerator	250 mg 9. —	1 g 30. —
53720	Hyaluronidase ex Bovine Testes (EC 3.2.1.35) [37326-33-3] purum lyophilised salt free; >300 I.U./mg pharmaceutical purity; $\phi_{\max}$ 280 nm; E _{1 cm} ^{1%} $\sim$ 9 (pH 7.0); store in refrigerator	250 mg 9. —	1 g 30. —
53752	Hyamine 1622 ® [(Diisobutylphenoxyethoxyethyl)dimethylbenzylammonium chloride] 6.1/81g (CH ₃) ₃ CCH ₂ C(CH ₃) ₂ C ₆ H ₄ OCH ₂ CH ₂ OCH ₂ CH ₂ N(CI)(CH ₃) ₂ CH ₂ C ₆ H ₅ C ₂₇ H ₄₂ ClNO ₂ M _r 448.10 [121-54-0] $\sim$ 98% (Cl); H ₂ O <1% ® Registered trade-mark of Rohm and Haas Co.	250 g 17. —	1 kg 60. —
53753	Hyamine 10-X ® [(Diisobutylcresoxyethoxyethyl)dimethylbenzylammonium chloride] 6.1/81g (CH ₃) ₃ CCH ₂ C(CH ₃) ₂ C ₆ H ₃ (CH ₃)OCH ₂ CH ₂ OCH ₂ CH ₂ N(CI)(CH ₃) ₂ CH ₂ C ₆ H ₅ C ₂₈ H ₂₄ ClNO ₂ M _r 462.12 [25155-18-4] $\sim$ 98% (Cl); H ₂ O <1% ® Registered trade-mark of Rohm and Haas Co.	250 g 16. —	1 kg 55. —
53760	Hydantoin puriss. $\sim$ 99% (N); M.P. 220-222° NHCONHCOCH ₂ C ₃ H ₄ N ₂ O ₂ M _r 100.08 [461-72-3]	50 g 10. —	250 g 40. —
	Hydracrylic acid see 56290 3-Hydroxypropionic acid		
	Hydracrylonitrile see 56270 3-Hydroxypropionitrile		
53770	Hydrastine purum M.P. 132-133°; [α] _D ²⁰ -73 $\pm$ 1°; [α] _D ²⁰ -58 $\pm$ 1° (c = 1.7 in Chlf.) 6.1/81e C ₂₁ H ₂₁ NO ₆ M _r 383.40 [118-08-1]	1 g 30. —	5 g 125. —
53780	Hydrastinine chloride purum $\sim$ 97% (Cl); M.P. 209-211° dec.; H ₂ O $\sim$ 3% 6.1/81e C ₁₁ H ₁₂ ClNO ₂ M _r 225.68 [5936-29-8]	1 g 25. —	
53790	Hydratropaldehyde (2-Phenylpropanal; 2-Phenylpropionaldehyde) 3/4; 76° C ₆ H ₅ CH(CH ₃)CHO C ₉ H ₁₀ O M _r 134.18 [93-53-8] purum >98% (GC); B.P. 205-210°; d ₄ ²⁰ 1.002; n _D ²⁰ 1.518	1 lt $\approx$ 1.00 kg	100 ml 10. — 500 ml 37. —
	Hydrazinecarboxylic acid tert-butylester see 19740 tert-Butyl carbazate		
53828	Hydrazine cyanurate 6.1/21 C ₃ H ₇ N ₆ O ₃ M _r 161.12 [18836-29-8] purum >99% (T); for the production of high purity anhydrous Hydrazines; E. Nachbaur, G. Leiseder, Mh. f.Chem. 102, 1722 (1971)	10 g 25. —	50 g 105. —
53840	Hydrazine dihydrochloride NH ₂ NH ₂ ·2HCl H ₄ N ₂ ·2HCl M _r 104.97 [5341-61-7] puriss. p.a. >99% (Cl); M.P. 199-201° dec.; Ash <0.05%	100 g 8. —	500 g 26. — 1 kg 50. —

							sFr.	sFr.
Hydrazine hemissulfate see 37265 Dihydrazine sulfate								
Hydrazine hydrate								
8/34	NH ₂ NH ₂ ·H ₂ O	H ₄ N ₂ ·H ₂ O	M _r 50.06	[7803-57-8]				
53850	purum >99%(RT); B.P. 118-120°; d ₄ ²⁰ 1.030; n _D ²⁰ 1.430				1 lt ≈ 1.03 kg	100 ml 7. —	500 ml 21. —	1 lt 40. —
53860	purum ~80% in water; d ₄ ²⁰ 1.03; n _D ²⁰ 1.415 (~25.8 m/lt)					1 lt ≈ 1.03 kg	500 ml 17. —	1 lt 32. —
53855	purum ~25% in water (~8.0 m/lt)					1 lt ≈ 1.03 kg	1 lt 14. —	2.5 lt 31. —
Hydrazine monohydrochloride								
	NH ₂ NH ₂ ·HCl	H ₄ N ₂ ·HCl	M _r 68.51	[2644-70-4]				
53880	purum >98%(Cl); M.P. 85-90°; 1 g clearly soluble in 10 ml water						100 g 11. —	500 g 46. —
Hydrazine sulfate								
6.1/21	NH ₂ NH ₂ ·H ₂ SO ₄	H ₄ N ₂ ·H ₂ SO ₄	M _r 130.12	[10034-93-2]				
53900	puriss. p.a.						100 g 8. —	500 g 26. —
	Fluka-Guarantee:							
	Assay (iodometric)	>99.0%	Iron (Fe)	<0.0005%				
	Residue on ignition		Heavy metals (as Pb)	<0.0005%				
	(as SO ₄)	<0.05%	Chloride (Cl)	<0.0005%				
53902	purum >98%(RT)						500 g 17. —	1 kg 32. —
4-Hydrazinobenzenesulfonic acid see 78720 Phenylhydrazine-4-sulfonic acid Hemihydrate								
4-Hydrazinobenzoic acid								
	NH ₂ NHC ₆ H ₄ COOH	C ₇ H ₈ N ₂ O ₂	M _r 152.15	[619-67-0]				
53885	pract. >95%(T); M.P. ~215° dec.; Reagent for the conversion of racemic carbonyl compounds into their benzoic acid 4-hydrazones as intermediate for resolving by means of chiral bases: H. Kaehler, F. Nerdel, G. Engemann, K. Schwerin, Liebig's Annal. Chem. 757, 15 (1972)						10 g 25. —	
53890	2-Hydrazinobenzoic acid hydrochloride purum >98%(Cl); M.P. ~195° dec.						5 g 21. —	25 g 90. —
	NH ₂ NHC ₆ H ₄ COOH·HCl	C ₇ H ₈ N ₂ O ₂ ·HCl	M _r 188.62	[52356-01-1]				
2-Hydrazinoethanol see 54340 2-Hydroxyethylhydrazine								
Hydrazobenzene (N,N'-Diphenylhydrazine)								
	C ₆ H ₅ NHNHC ₆ H ₅	C ₁₂ H ₁₂ N ₂	M _r 184.24	[122-66-7]				
53920	puriss. M.P. 126-128°; Azobenzene <1%; Inhalation and contact with skin should be avoided						100 g 30. —	500 g 135. —
53930	pract. M.P. 121-125°; Azobenzene <3%; Inhalation and contact with skin should be avoided						250 g 22. —	1 kg 80. —
Hydrindan (cis + trans) (Bicyclo[4.3.0]nonane; Hexahydroindan; Octahydroindene; Perhydroindene)								
3/3; 42°	C ₉ H ₁₆		M _r 124.23	[496-10-6]				
53932	purum >97%(GC); d ₄ ²⁰ 0.88				1 lt ≈ 0.88 kg		100 ml 25. —	500 ml 105. —
53940	Hydrindantin Dihydrate puriss. p.a. M.P. ~240° dec. for the Stein-Moore-Chromatography						10 g 15. —	50 g 63. —
	C ₁₉ H ₁₀ O ₆ ·2H ₂ O		M _r 358.21	[5950-69-6]				
Hydrindene see 56850 Indan								
Hydrobromic acid								
8/5	HBr.aq	BrH.aq	M _r 80.92 + aq	[10035-10-6]				
18710	puriss. p.a. dest. (~5.9 m); free Bromine <0.1%; in water; d ₄ ²⁰ 1.49; n _D ²⁰ 1.438				1 lt ≈ 1.49 kg		250 ml 11. —	1 lt 38. —
	Fluka-Guarantee:							
	Assay	>48.0 %	Lead (Pb)	<0.00001%				
	Residue on evaporation	<0.001 %	Cadmium (Cd)	<0.00001%				
	Iron (Fe)	<0.0005 %	Zinc (Zn)	<0.0001 %				
	Copper (Cu)	<0.00001%						
18720	purum p.a. (~7.7 m); free Bromine <0.1%; d ₄ ²⁰ 1.73; in water				1 lt ≈ 1.73 kg		250 ml 10. —	1 lt 35. —
	Fluka-Guarantee:							
	Assay	>62.0 %	Lead (Pb)	<0.005%				
	Sulfate and Sulfite		Iron (Fe)	<0.005%				
	(as SO ₄)	<0.003%	Zinc (Zn)	<0.005%				
	Copper (Cu)	<0.005%	Cadmium (Cd)	<0.005%				
18730	purum p.a. (~5.9 m); d ₄ ²⁰ 1.48				1 lt ≈ 1.48 kg		250 ml 8. —	1 lt 25. —
	Fluka-Guarantee:							
	Assay	>48.0 %	Lead (Pb)	<0.005%				
	Sulfate (SO ₄)	<0.005%	Zinc (Zn)	<0.005%				
	Copper (Cu)	<0.005%	Calcium (Ca)	<0.005%				
	Iron (Fe)	<0.005%						



					sFr.	sFr.
18735	Hydrobromic acid pract. 33% in acetic acid (4.1 m); d_4^{20} 1.40		1 lt $\approx$ 1.40 kg	250 ml 14. —		1 lt 50. —
8/5	HBr.C ₂ H ₃ COOH BrH.C ₂ H ₄ O ₂ M _r 140.97 [10035-10-6]					
	Hydrocaffeic acid [3,4-Dihydroxyhydrocinnamic acid; 3-(3,4-Dihydroxyphenyl)propionic acid]					
	(HO) ₂ C ₆ H ₃ CH ₂ CH ₂ COOH C ₉ H ₁₀ O ₄ M _r 182.18 [1078-61-1]					
54130	purum CHR; >98%(T); M.P. 133-137°; 1 g clearly soluble in 10 ml Methanol			10 g 22. —		50 g 90. —
	Hydrochloric acid					
8/5	HCl.aq ClH.aq M _r 36.46 + aq [7647-01-0]					
84420	puriss. p.a. d_4^{20} 1.16; arsenic free		1 lt $\approx$ 1.16 kg	1 lt 8. —		2.5 lt 16. —
	Fluka-Guarantee:					
	Assay (as HCl) >32.0 %	Sulfure dioxide (SO ₂) <0.001 %				
	Ash <0.0005%	Heavy metals (as Pb) <0.0005%				
	Sulfuric acid (SO ₄) <0.0002%	Iron (Fe) <0.0001%				
	Free chlorine <0.0002%					
84422	puriss. p.a. d_4^{20} 1.18-1.19; fuming		1 lt $\approx$ 1.19 kg	1 lt 9. —		
	Fluka-Guarantee:					
	Assay (as HCl) 36-38%	Free chlorine <0.0004%				
	Ash <0.0005%	Heavy metals (as Pb) <0.0005%				
	Sulfuric acid (SO ₄) <0.0002%	Iron (Fe) <0.0001%				
	Sulfure dioxide (SO ₂) <0.001 %	Arsenic (As) <0.0001%				
	Hydrochloric acid anhydrous purum 99.8% + 0.2% other gases; mainly H ₂					
2/5at	HCl ClH M _r 36.46 [7647-01-0]					
26612		Cyl. with 2 lt, net $\sim$ 1.5 kg	500. —	(price of gas 270. —)		
26614		Cyl. with 10 lt, net $\sim$ 7.5 kg	650. —	(price of gas 340. —)		
26616		Cyl. with 40 lt, net $\sim$ 25 kg	1200. —	(price of gas 600. —)		
	Hydrochloric acid-d					
8/5	DCI (in D ₂ O) CID M _r 37.47 [7698-05-7]					
31230	$\sim$ 38% in D ₂ O puriss. >99.5 Atom% D (with Fluka-Guarantee)		1 lt $\approx$ 1.30 kg	10 ml 35. —		50 ml 145. —
	Hydrochloric acid-d					
8/5	DCI (in D ₂ O) CID M _r 37.47 [7698-05-7]					
31231	$\sim$ 20% in D ₂ O puriss. >99.5 Atom% D (with Fluka-Guarantee)		1 lt $\approx$ 1.20 kg	10 ml 25. —		50 ml 105. —
	1 N Hydrochloric acid Normal solution					
84425	adjusted against Sodium carbonate; Factor 1.000 $\pm$ 0.2%		1 lt $\approx$ 1.00 kg	1 lt 12. —		
	0.1 N Hydrochloric acid Normal solution					
84427	adjusted against Sodium carbonate; Factor 1.000 $\pm$ 0.2%		1 lt $\approx$ 1.00 kg	1 lt 12. —		
	Hydrocinnamaldehyde see 56660 3-Phenylpropionaldehyde					
	Hydrocinnamic acid see 56670 3-Phenylpropionic acid					
	Hydrocinnamyl alcohol see 79000 3-Phenyl-1-propanol					
	Hydrocortisone (17-Hydroxycorticosterone; 4-Pregnene-11 β ,17 α ,21-triol-3,20-dione)					
	C ₂₁ H ₃₀ O ₅ M _r 362.47 [50-23-7]					
54080	puriss. Standard for photometric Corticoid determination; >99%(HPLC);			25 mg 35. —		
	M.P. 220-222°; $[\alpha]_{546}^{20} + 201 \pm 3^\circ$; $[\alpha]_D^{20} + 166 \pm 4^\circ$ (c = 1 in Ethanol)					
54090	purum >97%(HPLC); M.P. 214-217°; $[\alpha]_{546}^{20} + 201 \pm 5^\circ$; $[\alpha]_D^{20} + 166 \pm 5^\circ$			1 g 14. —		5 g 60. —
	(c = 1 in Ethanol)					
	Hydrocortisone acetate (21-Acetoxy-4-pregnene-11 β ,17 α -diol-3,20-dione)					
	C ₂₃ H ₃₂ O ₆ M _r 404.51 [50-03-3]					
54100	purum >97%(HPLC); M.P. 218-222°; $[\alpha]_{546}^{20} + 200 \pm 5^\circ$ (c = 1 in Dioxane)			1 g 14. —		5 g 60. —
	Hydrofluoric acid					
8/6b	HF FH M _r 20.01 [7664-39-3]					
47590	puriss. p.a. in plastic bottles		1 lt $\approx$ 1.13 kg	250 ml 8. —		1 lt 25. —
	Fluka-Guarantee:					
	Assay as HF (acidimetr.) 38-40%	Hexafluorosilicate (SiF ₆) <0.005 %				
	Residue on ignition <0.0005%	Heavy metals (as Pb) <0.00005%				
	(as SO ₄) <0.0005%	Iron (Fe) <0.00005%				
	Chloride (Cl) <0.0005%	Copper (Cu) <0.00001%				
	Sulfate (SO ₄) <0.0005%	Nickel (Ni) <0.00001%				
	Sulfite (SO ₃) <0.0005%					
47610	8/6a pract. 70-75%		1 lt $\approx$ 1.21 kg	1 lt 15. —		
18703	Hydrogen bromide purum >99.8%		Cyl. with 2 lt, net $\sim$ 3.2 kg	520. —		
2/3at	HBr BrH M _r 80.92 [10035-10-6]					



						sFr.	sFr.
Hydrogen fluoride							
2/13	HF FH	M _r 20.01 [7664-39-3]					
47582	purum		Cyl. with 5 lt, net ~ 4.4 kg	520.—	(price of gas 255.—)		
47583			Cyl. with 20 lt, net ~ 15.0 kg	960.—	(price of gas 480.—)		
Hydrogen fluoride pyridine (HF-Pyridine; Pyridine hydrofluoride)							
8/6a	C ₅ H ₆ FN	M _r 99.11 [32001-55-1]					
47586	70% Hydrofluoric acid; 30% Pyridine; Deprotecting reagent in peptide chemistry: S. Matsuura et al., J.C.S. Chem. Comm. 451 (1976); G.A. Olah et al., Synthesis 779, 780, 785, 786 (1973)			1 lt ≈ 1.10 kg	100 ml 65.—		
Hydrogen hexachloroplatinate(IV) see 81080 Hexachloroplatinic acid							
Hydrogen peroxide							
8/41b	H ₂ O ₂	M _r 34.02 [7722-84-1]					
95300	puriss. p.a.; Ph. Eur.; d ₄ ²⁰ 1.11			1 lt ≈ 1.11 kg	1 lt 16.—		
	Fluka-Guarantee:						
	Assay	>30.0 %	Copper (Cu)	<0.000002%			
	Ash	<0.005 %	Lead (Pb)	<0.000002%			
	Non-volatile parts	<0.005 %	Cadmium (Cd)	<0.000002%			
	Free Acid (as H ₂ SO ₄)	<0.005 %	Zinc (Zn)	<0.00005 %			
	Chloride (Cl)	<0.0005%	Iron (Fe)	<0.00001 %			
	Sulfate (SO ₄)	<0.0005%	Cobalt (Co)	<0.000002%			
	Phosphate (PO ₄)	<0.0005%	Nickel (Ni)	<0.000002%			
	Total Nitrogene	<0.0004%					
95299	purum 35% by weight; d ₄ ²⁰ 1.13			1 lt ≈ 1.13 kg	1 lt 10.—		
95302	purum Ph. Eur.; 30% by weight; d ₄ ²⁰ 1.11			1 lt ≈ 1.11 kg	1 lt 9.—		
Hydrogen sulfide purum >98.5%							
2/3bt	H ₂ S	M _r 34.08 [7783-06-4]					
84742			Cyl. with 10 lt, net ~ 6.8 kg	900.—	(price of gas 380.—)		
84744			Cyl. with 40 lt, net ~ 26.0 kg	1400.—	(price of gas 800.—)		
Hydroiodic acid							
8/5	HI	M _r 127.92 [10034-85-2]					
58160	puriss. p.a. ~ 65%(T); d ₄ ²⁰ 1.95-1.96			1 lt ≈ 1.96 kg	50 ml 13.—	250 ml 55.—	
58162	purum p.a.			1 lt ≈ 1.67 kg	100 ml 11.—	500 ml 44.—	
	Fluka-Guarantee:						
	Assay	>56.0 %	Iron (Fe)	<0.0005%			
	Copper (Cu)	<0.0005%	Zinc (Zn)	<0.0005%			
	Lead (Pb)	<0.0005%	Cadmium (Cd)	<0.0005%			
Hydroquinidine anhydrous							
6.1/81g	C ₂₀ H ₂₆ N ₂ O ₂	M _r 326.44 [1435-55-8]					
53950	purum M.P. 169-170°; [α] _D ²⁰ + 274±2°; [α] _D ²⁰ + 226±2° (c = 2 in Ethanol); 1 g clearly soluble in 10 ml Chloroform				5 g 26.—	25 g 110.—	
Hydroquinone (1,4-Dihydroxybenzene)							
	C ₆ H ₄ (OH) ₂	C ₆ H ₆ O ₂ M _r 110.11 [123-31-9]					
53960	puriss. p.a. >99%(UV); M.P. 172-174°; 1 g clearly soluble in 10 ml Methanol			100 g 7.—	500 g 18.—	1 kg 32.—	
Hydroquinonecarboxylic acid see 37550 2,5-Dihydroxybenzoic acid							
53980	Hydroquinone diethyl ether purum M.P. 69-71° (1,4-Diethoxybenzene)				250 g 26.—		
	C ₆ H ₄ (OC ₂ H ₅) ₂	C ₁₀ H ₁₄ O ₂ M _r 166.22 [122-95-2]					
Hydroquinone dimethyl ether (1,4-Dimethoxybenzene; "Dimethylhydroquinone")							
	C ₆ H ₄ (OCH ₃) ₂	C ₈ H ₁₀ O ₂ M _r 138.17 [150-78-7]					
54000	purum >97%(HPLC); M.P. 54-56°; Ash <0.1%; 1 g clearly soluble in 10 ml Dioxane				250 g 26.—		
Hydroquinone-β-D-glucopyranoside see 10960 p-Arbutin							
Hydroquinone monobenzyl ether (4-Benzyloxyphenol)							
	C ₆ H ₅ CH ₂ OC ₆ H ₄ OH	C ₁₃ H ₁₂ O ₂ M _r 200.24 [103-16-2]					
54029	purum ~98%(NT); M.P. 119-120°				10 g 15.—	50 g 63.—	
54030	pract. >90%(NT); M.P. 106-116°				50 g 15.—	250 g 63.—	
Hydroquinone monomethyl ether (4-Hydroxyanisole; 4-Methoxyphenol)							
	CH ₃ OC ₆ H ₄ OH	C ₇ H ₈ O ₂ M _r 124.14 [150-76-5]					
54050	purum >98%(HPLC); M.P. 53-56°; <2% Hydroquinone dimethyl ether				100 g 10.—	500 g 37.—	



sFr.

sFr

Hydroquinonesulfonic acid Potassium salt (2,5-Dihydroxybenzenesulfonic acid Potassium salt)
 $(\text{HO})_2\text{C}_6\text{H}_3\text{SO}_3\text{K}$ $\text{C}_6\text{H}_5\text{KO}_3\text{S}$ M_r 228.27 [21799-87-1]

54055

techn. $\sim 75\% + \sim 25\%$ Potassium sulfate

250 g 26. —

"Hydrosulfite" see 71530 Sodium formaldehyde sulfoxylate

Hydroxocobalamine hydrochloride see 95200 Vitamine B_{12b}

Hydroxyacetaldehyde see 50580 Glycolaldehyde

Hydroxyacetaldehyde diethyl acetal

$\text{HOCH}_2\text{CH}(\text{OC}_2\text{H}_5)_2$ $\text{C}_6\text{H}_{14}\text{O}_3$ M_r 134.18 [621-63-6]

pract. $>95\%$ (GC); B.P. 175-176°; d_4^{20} 0.971; n_D^{20} 1.416

54135

1 lt $\approx$ 0.97 kg

25 ml 20. —

100 ml 70. —

2-, 3- and 4-Hydroxyacetanilide see 00340, 00350 and 00360 2-, 3- and 4-Acetamidophenol

Hydroxyacetic acid see 50590 Glycolic acid

Hydroxyacetone (Acetol)

$\text{CH}_3\text{COCH}_2\text{OH}$ $\text{C}_3\text{H}_6\text{O}_2$ M_r 74.08 [116-09-6]

pract. $>95\%$ (GC); B.P. 145-146°; d_4^{20} 1.070; n_D^{20} 1.423

54142

1 lt $\approx$ 1.07 kg

100 ml 10. —

500 ml 42. —

Hydroxyacetoneitrile see 50640 Glycolic acid nitrile

2-Hydroxyacetophenone

$\text{HOC}_6\text{H}_4\text{COCH}_3$ $\text{C}_8\text{H}_8\text{O}_2$ M_r 136.15 [118-93-4]

pract. 90-95%(GC); M.P. 3-6°; B.P. 90-95°; d_4^{20} 1.130; n_D^{20} 1.558;
 can also contain Acetophenone + Phenol

54150

1 lt $\approx$ 1.13 kg

100 ml 20. —

500 ml 70. —

3-Hydroxyacetophenone pract. M.P. 90-95°; 1 g clearly soluble in 10 ml Methanol
 $\text{HOC}_6\text{H}_4\text{COCH}_3$ $\text{C}_8\text{H}_8\text{O}_2$ M_r 136.15 [121-71-1]

54170

100 g 22. —

500 g 90. —

4-Hydroxyacetophenone

$\text{HOC}_6\text{H}_4\text{COCH}_3$ $\text{C}_8\text{H}_8\text{O}_2$ M_r 136.15 [99-93-4]

pract. $\sim 97\%$ (NT); M.P. 104-108°; 1 g clearly soluble in 10 ml Methanol

54180

100 g 14. —

500 g 60. —

1-Hydroxyacridine (1-Acridinol; Neooxine)

$1\text{-HO}\overset{\text{O}}{\underset{\text{O}}{\text{C}}}\text{C}_6\text{H}_3\text{CH}:\text{C}_6\text{H}_4:\text{N}$ $\text{C}_{13}\text{H}_9\text{NO}$ M_r 195.22 [5464-73-3]

purum p.a. M.P. 113-116°; for colorimetric determination of Co, Cu, Ni, Zn;
 Bull. Chem. Soc. Japan 32, 1064 (1959)

54190

1 g 60. —

5 g 250. —

1-Hydroxyadamantane see 54191 1-Adamantanol

3-Hydroxy-5-aminomethyl-isoxazol see 70015 Muscimol

17 β -Hydroxy-1,4-androstadien-3-one see 10250 1,4-Androstadien-17 β -ol-3-one

3 α -Hydroxy-5 α -androstan-17-one see 10350 cis-Androsterone

3 β -Hydroxy-5 α -androstan-17-one see 10360 trans-Androsterone

17 β -Hydroxy-5 α -androstan-3-one see 10300 Androstan-17 β -ol-3-one

19-Hydroxy-4-androstene-3,17-dione (4-Androsten-19-ol-3,17-dione)

$\text{C}_{19}\text{H}_{26}\text{O}_3$ M_r 302.42 [510-64-5]

puriss. $>99\%$ (HPLC); M.P. 167-169°; $[\alpha]_{546}^{20} + 240 \pm 5^\circ$; $[\alpha]_D^{20} + 195 \pm 5^\circ$
 (c = 1 in Chfl.)

54518

1 g 50. —

17 β -Hydroxy-4-androsten-3-one see 86500 Testosterone

3 β -Hydroxy-5-androsten-17-one see 30760 trans-Dehydroandrosterone

2-Hydroxy-m-anisaldehyde see 94760 o-Vanillin

3-Hydroxyanisaldehyde see 59930 Isovanillin

3-Hydroxyanisole see 83630 3-Methoxyphenol

4-Hydroxyanisole see 54050 4-Methoxyphenol

3-Hydroxyanthranilic acid hydrochloride

$\text{HOC}_6\text{H}_3(\text{NH}_2)\text{COOH} \cdot \text{HCl}$ $\text{C}_7\text{H}_7\text{NO}_3 \cdot \text{HCl}$ M_r 189.60 [548-93-6] (free acid)

purum $\sim 96\%$ (Cl); M.P. 220° dec.; $\text{H}_2\text{O} \sim 4\%$

54541

250 mg 10. —

1 g 35. —

4-Hydroxyazobenzene [C.I. Nr. 11800] (4-Benzeneazophenol; 4-Phenylazophenol)
 $\text{C}_6\text{H}_5\text{N}:\text{NC}_6\text{H}_4\text{OH}$ $\text{C}_{12}\text{H}_{10}\text{N}_2\text{O}$ M_r 198.23 [1689-82-3]

54550

25 g 12. —

100 g 40. —

500 g 170. —

4'-Hydroxyazobenzene-2-carboxylic acid see 54791 2-(4-Hydroxyphenylazo)benzoic acid

2-Hydroxybenzaldehyde see 84160 Salicylaldehyde

			sFr.	sFr.
54580	3-Hydroxybenzaldehyde pract. >97%(NT); M.P. 100-103° HOC ₆ H ₄ CHO C ₇ H ₆ O ₂ M _r 122.12 [100-83-4]		100 g 30.—	500 g 120.—
	4-Hydroxybenzaldehyde HOC ₆ H ₄ CHO C ₇ H ₆ O ₂ M _r 122.12 [123-08-0]			
54589	puriss. >99%(NT); M.P. 115-117°		100 g 40.—	500 g 170.—
54590	pract. >95%(NT); M.P. 112-116°		250 g 35.—	1 kg 130.—
	N-Hydroxybenzenesulfonamide (Benzenesulphhydroxamic acid) C ₆ H ₅ SO ₂ NHOH C ₆ H ₇ NO ₃ S M _r 173.19 [599-71-3]			
12600	puriss. p.a. >99%(T); M.P. 124-127° dec.; store in refrigerator		5 g 18.—	25 g 75.—
	4-Hydroxybenzenesulfonic acid see 77670 Phenol-4-sulfonic acid			
	4-Hydroxybenzhydrazide (4-Hydroxybenzoylhydrazine) HOC ₆ H ₄ CONHNH ₂ C ₇ H ₈ N ₂ O ₂ M _r 152.15 [5351-23-5]			
54600	purum >97%(NT); M.P. 264-266° dec.; Reagent for the rapide automated determination of serum glucose: B. Fingerhut, Clin. Chem. 19/9, 1022 (1973)		25 g 17.—	100 g 45.—
	2-Hydroxybenzoic acid see 84210 Salicylic acid			
	3-Hydroxybenzoic acid HOC ₆ H ₄ COOH C ₇ H ₆ O ₃ M _r 138.12 [99-06-9]			
54610	puriss. >99%(T); M.P. 202-203°; Ash <0.07%		50 g 15.—	250 g 63.—
54620	pract. >98%(T); M.P. 200-203°		100 g 10.—	500 g 42.—
54630	4-Hydroxybenzoic acid puriss. ~99%(T); M.P. 214-215°; Ash <0.07% HOC ₆ H ₄ COOH C ₇ H ₆ O ₃ M _r 138.12 [99-96-7]		250 g 12.—	1 kg 40.—
	2-Hydroxybenzonitrile 6.1/21 HOC ₆ H ₄ CN C ₇ H ₅ NO M _r 119.12 [611-20-1]			
54795	purum >99%(NT); M.P. 91-93°; 1 g clearly soluble in 10 ml Methanol		50 g 29.—	250 g 120.—
	4-Hydroxybenzonitrile (4-Cyanophenol) 6.1/21 HOC ₆ H ₄ CN C ₇ H ₅ NO M _r 119.12 [767-00-0]			
54797	purum >97%(NT); M.P. 110-112°; 1 g clearly soluble in 10 ml Methanol	5 g 7.—	25 g 16.—	250 g 120.—
	4-Hydroxybenzophenone HOC ₆ H ₄ COC ₆ H ₅ C ₁₃ H ₁₀ O ₂ M _r 198.22 [1137-42-4]			
54800	purum >99%(HPLC); M.P. 132-134°; <0.5% H ₂ O		25 g 33.—	100 g 120.—
54801	pract. >97%(HPLC); M.P. 130-136°		100 g 28.—	
	3-Hydroxy-1,2,3-benzotriazin-4(3H)-one see 37305 3,4-Dihydro-3-hydroxy-4-oxo-1,2,3-benzotriazine			
	1-Hydroxybenzotriazole 4.1/16 C ₆ H ₄ N(OH)N:N.aq C ₆ H ₅ N ₃ O.aq M _r 135.13 + aq [2592-95-2]			
54802	purum >98%(T); M.P. 156-158° (dry); light sensitive; contains 6-8% H ₂ O; widely used additive to decrease racemization in the carbodiimide peptide formation: W. König and R. Geiger, Chem. Ber. 103, 788 (1970); racemization free condensation of peptide fragments: H. R. Bosshard et al., Helv. 56, 717 (1973)	10 g 10.—	50 g 40.—	250 g 165.—
	3-Hydroxybenzotrifluoride (α,α,α-Trifluoro-m-cresol; 3-Trifluoromethylphenol) 6.1/22 HOC ₆ H ₄ CF ₃ C ₇ H ₅ F ₃ O M _r 162.11 [98-17-9]			
54820	purum >98%(GC); B.P. 178° (Lit.); d ₄ ²⁰ 1.351; n _D ²⁰ 1.457	1 lt ≈ 1.35 kg	10 ml 18.—	50 ml 75.—
	4-Hydroxybenzoylhydrazine see 54600 4-Hydroxybenzhydrazide			
54840	2-Hydroxybenzyl alcohol purum >99%(NT); M.P. 84-86° (Salicylalcohol; Saligenin) HOC ₆ H ₄ CH ₂ OH C ₇ H ₈ O ₂ M _r 124.14 [90-01-7]		25 g 12.—	100 g 40.—
54860	4-Hydroxybenzyl alcohol purum M.P. 113-115° HOC ₆ H ₄ CH ₂ OH C ₇ H ₈ O ₂ M _r 124.14 [623-05-2]	10 g 11.—	50 g 46.—	250 g 200.—
54874	4-Hydroxybenzyl cyanide pract. >98%(HPLC); M.P. 69-71° (4-Hydroxyphenylacetonitrile) 6.1/21 HOC ₆ H ₄ CH ₂ CN C ₈ H ₇ NO M _r 133.13 [14191-95-8]		1 g 15.—	5 g 63.—
	α-Hydroxybenzyl phenyl ketone see 12510 Benzoin			
	N-Hydroxybicyclo[2.2.1]hept-5-ene-2,3-dicarboxylic acid imide see 56055 N-Hydroxy-5-norbornene-2,3-dicarboxylic acid imide			

			sFr.	sFr.
4890	2-Hydroxybiphenyl purum >98% (HPLC); M.P. 56-59° ("Dowicide" 1"; 2-Phenylphenol) <chem>C6H5C6H4OH</chem> <chem>C12H10O</chem> M_r 170.21 [90-43-7]		250 g 11. —	1 kg 38. —
54900	4-Hydroxybiphenyl purum >98% (HPLC); M.P. 164-166° (4-Phenylphenol) <chem>C6H5C6H4OH</chem> <chem>C12H10O</chem> M_r 170.21 [92-69-3]		250 g 11. —	1 kg 30. —
54911	2-Hydroxybiphenyl Sodium salt Tetrahydrate ("Dowicide" A"; 2-Phenylphenol Sodium salt) <chem>C6H5C6H4ONa.4H2O</chem> <chem>C12H9NaO.4H2O</chem> M_r 264.26 [132-27-4] pract.		250 g 13. —	1 kg 45. —
	2-Hydroxy-2-(4-biphenyl)propane see 14451 2-(4-Biphenyl)-2-propanol			
	4-Hydroxybutane-1-sulfonic acid-δ-sultone see 19030 1,4-Butane sultone			
	3-Hydroxy-2-butanone see 00540 Acetoin			
	3-Hydroxybutyric acid <chem>CH3CH(OH)CH2COOH</chem> <chem>C4H8O3</chem> M_r 104.11 [300-85-6] purum dest. >97% (T); B.P. 130° (Lit.); d_4^{20} 1.158; n_D^{20} 1.443; store in refrigerator		1 g 7. —	5 g 21. —
54930				
54960	2-Hydroxybutyric acid Sodium salt purum >98% (NT) (Sodium 2-hydroxybutyrate) <chem>CH3CH2CH(OH)COONa</chem> <chem>C4H7NaO3</chem> M_r 126.09 [5094-24-6]		1 g 10. —	5 g 40. —
	3-Hydroxybutyric acid Sodium salt (Sodium 3-hydroxybutyrate) <chem>CH3CH(OH)CH2COONa</chem> <chem>C4H7NaO3</chem> M_r 126.09 [150-83-4] puriss. >99% (NT); M.P. 170-172°		10 g 18. —	50 g 75. —
54965				
54970	4-Hydroxybutyric acid Sodium salt (Sodium 4-hydroxybutyrate) <chem>HO(CH2)3COONa</chem> <chem>C4H7NaO3</chem> M_r 126.09 [502-85-2] purum >98% (NT); water <0.5%; hygroscopic		25 g 20. —	100 g 70. —
	2-Hydroxybutyronitrile see 81880 Propionaldehyde cyanohydrin			
	2-Hydroxycaproic acid see 55330 2-Hydroxyhexanoic acid			
	3α-Hydroxy-5β-cholanoic acid see 62620 Lithocholic acid			
	3β-Hydroxy-5α-cholestane see 26710 5α-Cholestan-3β-ol			
	trans-2-, 3- and 4-Hydroxycinnamic acid see 28170, 28180 and 28190 o-, m- and p-Coumaric acid			
	Hydroxycobalmine hydrochloride see 95200 Vitamin B _{12b}			
	17-Hydroxycorticosterone see 54080 Hydrocortisone			
	18-Hydroxycorticosterone (4-Pregnene-11β,18,21-triol-3,20-dione) <chem>C21H30O5</chem> M_r 362.47 [561-65-9] puriss.; store in refrigerator		5 mg 335. —	
55145				
55150	4-Hydroxycoumarin purum >98% (NT); M.P. 211-213° <chem>C6H4OCOCH:COH</chem> <chem>C9H6O3</chem> M_r 162.15 [1076-38-6]	10 g 7. —	50 g 15. —	250 g 63. —
	7-Hydroxycoumarin see 93979 Umbelliferone			
	2-Hydroxy-2,4,8-cycloheptatrien-1-one see 93555 Tropolon			
	4-Hydroxycyclohexylamine see 07620 4-Aminocyclohexanol			
	17-Hydroxy-11-dehydrocorticosterone see 27860 Cortisone			
	17α-Hydroxy-11-deoxycorticosterone see 31100 11-Deoxy-17α-hydroxycorticosterone			
	18-Hydroxy-11-deoxycorticosterone (11-Deoxy-18-hydroxycorticosterone; 18,21-Dihydroxy-4-pregnene-3,20-dione; 18,20-Epoxy-20,21-dihydroxy-4-pregnen-3-one) <chem>C21H30O4</chem> M_r 346.47 [379-68-0] puriss. M.P. 171-173°; $[\alpha]_D^{20} + 151 \pm 2^\circ$ (c = 1 in CHCl ₃); store in refrigerator		5 mg 190. —	
55175				
55185	4-Hydroxy-3,5-dimethoxyacetophenone purum M.P. 121-123° (Acetosyringone) <chem>HO(CH3O)2C6H2COCH3</chem> <chem>C10H12O4</chem> M_r 196.21 [2478-38-8]		5 g 40. —	25 g 165. —
	4-Hydroxy-3,5-dimethoxyacetophenone acetate (4-Acetoxy-3,5-dimethoxyacetophenone) <chem>CH3COO(CH3O)2C6H2COCH3</chem> <chem>C12H14O5</chem> M_r 238.24 [28294-47-5] purum >98% (C,H-Analysis); M.P. 161-162°		10 g 30. —	
00845				
	D(—)-2-Hydroxy-3,3-dimethyl-γ-butyrolactone (3,3-Dimethyl-2-hydroxy-γ-butyrolactone; "D-Pantolactone") <chem>CH2C(CH3)2CH(OH)COO</chem> <chem>C6H10O3</chem> M_r 130.14 [599-04-2] puriss. >99% (T); M.P. 89-91°; $[\alpha]_{540}^{20} - 62 \pm 2^\circ$; $[\alpha]_D^{20} - 51 \pm 2^\circ$ (c = 3 in water)		10 g 20. —	50 g 85. —
55200				

					sFr.	sFr.
	DL-2-Hydroxy-3,3-dimethyl-γ-butyrolactone (DL-Pantolactone)					
	$\text{CH}_2\text{C}(\text{CH}_3)_2\text{CH}(\text{OH})\text{COO}$ $\text{C}_6\text{H}_{10}\text{O}_3$ M_r 130.14 [79-50-5]					
55201	purum >98%(T); M.P. $\sim 80^\circ$				50 g 20. —	250 g 85. —
	2-Hydroxydiphenylmethane see 13761 2-Benzylphenol					
	4-Hydroxydiphenylmethane see 13770 4-Benzylphenol					
	2-(2-Hydroxy-3,6-disulfo-1-naphthylazo)phenylarsonic acid Disodium salt					
	see 89120 Thorin					
55240	2-Hydroxydodecanoic acid purum >97%(GC); M.P. 74-77° (2-Hydroxylauric acid)				5 g 26. —	25 g 110. —
	$\text{CH}_3(\text{CH}_2)_9\text{CH}(\text{OH})\text{COOH}$ $\text{C}_{12}\text{H}_{24}\text{O}_3$ M_r 216.32 [2984-55-6]					
	6-Hydroxydopamine hydrochloride [2-(2,4,5-Trihydroxyphenyl)ethylamine hydrochloride]					
	$(\text{HO})_3\text{C}_6\text{H}_2\text{CH}_2\text{CH}_2\text{NH}_2\cdot\text{HCl}$ $\text{C}_8\text{H}_{11}\text{NO}_3\cdot\text{HCl}$ M_r 205.64 [28094-15-7]					
55241	purum >98%(Cl); M.P. 222-224°			100 mg 28. —	250 mg 63. —	1 g 225. —
	17β-Hydroxy-4-estren-3-one see 74640 19-Nortestosterone					
	2-Hydroxyethanesulfonic acid Sodium salt see 58230 Isethionic acid Sodium salt					
	2-Hydroxyethyl acrylate					
	$\text{CH}_2=\text{CHCOOCH}_2\text{CH}_2\text{OH}$ $\text{C}_5\text{H}_8\text{O}_3$ M_r 116.12 [818-61-1]					
01792	techn. $\sim 75\%$ (GC); B.P. 210-215°;					
	stab. with 0.04% Hydroquinone monomethylether	1 lt $\approx$ 1.11 kg	250 ml 13. —	1 lt 45. —	5 lt 190. —	
	N-(2-Hydroxyethyl)aniline (2-Anilinoethanol; 2-Phenylamino-ethanol; N-Phenylethanolamine)					
	6.1/21f $\text{C}_6\text{H}_5\text{NHCH}_2\text{CH}_2\text{OH}$ $\text{C}_8\text{H}_{11}\text{NO}$ M_r 137.18 [122-98-5]					
54265	pract. $\sim 99\%$ (T); B.P., 147-152°; d_4^{20} 1.09	1 lt $\approx$ 1.09 kg	250 ml 10. —	1 lt 32. —		
	Hydroxyethylcellulose middle viscosity 1 ("Cellosize WP-40")					
54290	pract. Viscosity ~ 4000 mPa.s (5% in water, 20°) or 75-125 mPa.s (2% in water, 20°)			500 g 24. —		
	(2-Hydroxyethyl)cyclohexane see 29270 2-Cyclohexylethanol					
	2-Hydroxyethyl ether see 32160 Diethylene glycol					
	N-(2-Hydroxyethyl)ethylenediamine [2-(2-Aminoethylamino)ethanol;					
	N-(2-Aminoethyl)ethanolamine]					
	$\text{NH}_2\text{CH}_2\text{CH}_2\text{NHCH}_2\text{CH}_2\text{OH}$ $\text{C}_4\text{H}_{12}\text{N}_2\text{O}$ M_r 104.15 [111-41-1]					
54210	pract. >97%(NT); B.P., 140-145°; d_4^{20} 1.029; n_D^{20} 1.485	1 lt $\approx$ 1.03 kg	250 ml 9. —	1 lt 28. —		
	N-(2-Hydroxyethyl)ethylenediamine-N,N,N'-triacetic acid Trisodium salt					
	$\text{HOCH}_2\text{CH}_2\text{N}(\text{CH}_2\text{COONa})\text{CH}_2\text{CH}_2\text{N}(\text{CH}_2\text{COONa})_2$ $\text{C}_{10}\text{H}_{15}\text{N}_2\text{Na}_3\text{O}_7$					
	M_r 344.21 [139-89-9]					
54230	purum p.a. 40% in water; for Complexometry	1 lt $\approx$ 1.30 kg	250 ml 7. —	1 lt 18. —		
	N-(2-Hydroxyethyl)ethylenediamine-N,N,N'-triacetic acid Trisodium salt Dihydrate					
	$\text{HOCH}_2\text{CH}_2\text{N}(\text{CH}_2\text{COONa})\text{CH}_2\text{CH}_2\text{N}(\text{CH}_2\text{COONa})_2\cdot 2\text{H}_2\text{O}$ $\text{C}_{10}\text{H}_{15}\text{N}_2\text{Na}_3\text{O}_7\cdot 2\text{H}_2\text{O}$					
	M_r 380.24 [139-89-9]					
54320	puriss. p.a. pH of a 1% aqueous solution (20°) 12	100 g 7. —	500 g 20. —	1 kg 38. —		
	2-Hydroxyethylhydrazine (2-Hydrazinoethanol)					
	8/41 $\text{HOCH}_2\text{CH}_2\text{NHNH}_2$ $\text{C}_2\text{H}_8\text{N}_2\text{O}$ M_r 76.10 [109-84-2]					
54340	purum >97%(NT); B.P. 230-231°; d_4^{20} 1.122; n_D^{20} 1.493	1 lt $\approx$ 1.12 kg	100 ml 22. —	500 ml 90. —		
	N-(2-Hydroxyethyl)iminodiacetic acid					
	$\text{HOCH}_2\text{CH}_2\text{N}(\text{CH}_2\text{COOH})_2$ $\text{C}_6\text{H}_{11}\text{NO}_5$ M_r 177.16 [93-62-9]					
54345	purum >98%(T); M.P. $\sim 180^\circ$ dec.; Ash <0.05%			5 g 24. —	25 g 100. —	
	3-(2-Hydroxyethyl)indole (3-Indoleethanol; "Tryptophol")					
	$\text{C}_6\text{H}_4\text{NHCH}=\text{CHCH}_2\text{CH}_2\text{OH}$ $\text{C}_{10}\text{H}_{11}\text{NO}$ M_r 161.21 [526-55-6]					
54350	purum M.P. 56-59°; 1 g clearly soluble in 10 ml Methanol			1 g 10. —	5 g 42. —	
	2-Hydroxyethyl methacrylate					
	$\text{CH}_2=\text{C}(\text{CH}_3)\text{COOCH}_2\text{CH}_2\text{OH}$ $\text{C}_6\text{H}_{10}\text{O}_3$ M_r 130.15 [868-77-9]					
64170	pract. $\sim 95\%$ (GC); B.P. 205-208°; d_4^{20} 1.07; n_D^{20} 1.453;					
	stab. with 0.03% Hydroquinone; store in refrigerator	1 lt $\approx$ 1.07 kg	100 ml 8. —	500 ml 26. —		

			sFr.	sFr.
54395	2-(2-Hydroxyethyl)-6-methylpyridine pract. [2-(6-Methyl-2-pyridyl)ethanol] $\text{N}:\text{C}(\text{CH}_3)\text{CH}:\text{CHCH}:\text{CCH}_2\text{CH}_2\text{OH}$ $\text{C}_8\text{H}_{11}\text{NO}$ M_r 137.18 [934-78-1]		100 g 25. —	
	Hydroxyethyl methylsulfide see 54400 2-(Methylthio)ethanol			
	2-Hydroxyethyl methyl sulfone (2-Methylsulfonyl-ethanol) $\text{CH}_3\text{SO}_2\text{CH}_2\text{CH}_2\text{OH}$ $\text{C}_3\text{H}_6\text{O}_3\text{S}$ M_r 124.16 [15205-66-0] purum M.P. 29-31°; store in refrigerator		10 g 18. —	50 g 75. —
54402				
	5-(2-Hydroxyethyl)-4-methylthiazole $\text{N}:\text{CHSC}(\text{CH}_3):\text{CCH}_2\text{CH}_2\text{OH}$ $\text{C}_6\text{H}_9\text{NOS}$ M_r 143.21 purum >99%(GC); B.P. 272-273°; d_4^{20} 1.199; n_D^{20} 1.550	1 lt $\approx$ 1.20 kg	25 ml 12. —	100 ml 40. —
54405				
	4-(2-Hydroxyethyl)morpholine (4-Morpholinoethanol) 3/4; 99° $\text{CH}_2\text{CH}_2\text{OCH}_2\text{CH}_2\text{NCH}_2\text{CH}_2\text{OH}$ $\text{C}_6\text{H}_{13}\text{NO}_2$ M_r 131.18 [622-40-2] pract. $\sim$ 95%(GC); B.P. 100-103°; d_4^{20} 1.072; n_D^{20} 1.477	1 lt $\approx$ 1.07 kg	100 ml 10. —	500 ml 37. —
54410				
	N-(2-Hydroxyethyl)phthalimide purum $\sim$ 98%(N); M.P. 126-129° (2-Phthalimidoethanol) $\text{COC}_6\text{H}_4\text{CONCH}_2\text{CH}_2\text{OH}$ $\text{C}_{10}\text{H}_9\text{NO}_3$ M_r 191.19 [3891-07-4]		100 g 30. —	500 g 125. —
54440				
	1-(2-Hydroxyethyl)piperazine (1-Piperazinoethanol) $\text{CH}_2\text{CH}_2\text{NHCH}_2\text{CH}_2\text{NCH}_2\text{CH}_2\text{OH}$ $\text{C}_6\text{H}_{14}\text{N}_2\text{O}$ M_r 130.19 [103-76-4] purum >97%(GC); B.P. 242-246°; d_4^{20} 1.061; n_D^{20} 1.506; Biochemistry 5, 471 (1966)	1 lt $\approx$ 1.06 kg	100 ml 20. —	500 ml 85. —
54460				
	4-(2-Hydroxyethyl)piperazine-1-ethane-2-sulfonic acid (HEPES) $\text{CH}_2\text{CH}_2\text{N}(\text{CH}_2\text{CH}_2\text{SO}_3\text{H})\text{CH}_2\text{CH}_2\text{NCH}_2\text{CH}_2\text{OH}$ $\text{C}_8\text{H}_{18}\text{N}_2\text{O}_4\text{S}$ M_r 238.31 [7365-45-9] puriss. p.a. >99%(T); Biological Buffer; pK (20°) 7.55; Ash <0.05%; useful pH-range 7.0-8.0; N.E. Good et al., Biochemistry 5, 467 (1966)	10 g 10. —	50 g 37. —	250 g 155. —
54461				
	4-(2-Hydroxyethyl)piperazine-1-propane-3-sulfonic acid (EPPS; HEPPS) $\text{CH}_2\text{CH}_2\text{N}(\text{CH}_2\text{CH}_2\text{CH}_2\text{SO}_3\text{H})\text{CH}_2\text{CH}_2\text{NCH}_2\text{CH}_2\text{OH}$ $\text{C}_9\text{H}_{20}\text{N}_2\text{O}_4\text{S}$ M_r 252.33 [16052-06-5] purum $\sim$ 97%(T); M.P. 237-239°		5 g 8. —	25 g 29. —
54463				
	1-(2-Hydroxyethyl)piperidine (1-Piperidinoethanol) $\text{CH}_2(\text{CH}_2)_4\text{NCH}_2\text{CH}_2\text{OH}$ $\text{C}_7\text{H}_{15}\text{NO}$ M_r 129.20 [3040-44-6] pract. $\sim$ 90%(GC); B.P. 89-91° (Lit.); d_4^{20} 1.387; n_D^{20} 1.466	1 lt $\approx$ 1.39 kg	100 ml 15. —	500 ml 63. —
54470				
	2-(2-Hydroxyethyl)-pyridine [2-(2-Pyridyl)ethanol] $\text{N}:\text{CHCH}:\text{CHCH}:\text{CCH}_2\text{CH}_2\text{OH}$ $\text{C}_7\text{H}_9\text{NO}$ M_r 123.16 [103-74-2] pract. >98%(GC); B.P. 235-238°; d_4^{20} 1.095; n_D^{20} 1.537	1 lt $\approx$ 1.10 kg	100 ml 12. —	500 ml 50. —
54490				
	1-(2-Hydroxyethyl)pyrrolidine (1-Pyrrolidinoethanol) $\text{CH}_2(\text{CH}_2)_3\text{NCH}_2\text{CH}_2\text{OH}$ $\text{C}_6\text{H}_{13}\text{NO}$ M_r 115.18 [2955-88-6] pract. >97%(GC); B.P. 186° (Lit.); d_4^{20} 0.979; n_D^{20} 1.473	1 lt $\approx$ 0.98 kg	50 ml 29. —	250 ml 120. —
54505				
	N-(2-Hydroxyethyl)salicylic acid amide [N-Salicyloylcolamine; N-Salicyloyl(2-hydroxyethyl)amine] $\text{HOC}_6\text{H}_4\text{CONHCH}_2\text{CH}_2\text{OH}$ $\text{C}_9\text{H}_{11}\text{NO}_3$ M_r 181.19 [24207-38-3] purum >98%(N); M.P. 113-116°		25 g 29. —	100 g 105. —
54510				
	(2-Hydroxyethyl)trimethylammonium chloride see 26980 Choline chloride			
	(2-Hydroxyethyl)trimethylammonium hydroxide see 26970 Choline			
	2-Hydroxyethyltrimethylsilane see 92747 2-(Trimethylsilyl)-ethanol			
	2-Hydroxyethyl-triphenylphosphonium chloride $\text{HOCH}_2\text{CH}_2\text{P}(\text{C}_6\text{H}_5)_3\text{Cl}$ $\text{C}_{20}\text{H}_{20}\text{ClOP}$ M_r 342.81 [23250-03-5] purum >98%(Cl); M.P. 238-240° dec.		10 g 16. —	50 g 67. —
54514				
	L-2-Hydroxyglutaric acid Disodium salt purum >99%(NT); hygroscopic [OOCCH ₂ CH ₂ CH(OH)COO]Na ₂ $\text{C}_5\text{H}_6\text{Na}_2\text{O}_5$ M_r 192.08 [40951-21-1]		1 g 50. —	5 g 210. —
55285				
	L-2-Hydroxyglutaric acid Zinc salt purum [OOCCH ₂ CH ₂ CH(OH)COO]Zn.3H ₂ O $\text{C}_5\text{H}_6\text{O}_5\text{Zn}.3\text{H}_2\text{O}$ M_r 265.51 [16874-35-4]		5 g 40. —	
55290				
	2-Hydroxyhexadecanoic acid pract. $\sim$ 95%(GC); M.P. 86-88° (2-Hydroxypalmitic acid) $\text{CH}_3(\text{CH}_2)_{13}\text{CH}(\text{OH})\text{COOH}$ $\text{C}_{16}\text{H}_{32}\text{O}_3$ M_r 272.43 [764-67-0]		1 g 10. —	5 g 37. —
55320				

			sFr.	sFr.
55330	2-Hydroxyhexanoic acid puriss. M.P. 60-62° (2-Hydroxycaproic acid) $\text{CH}_3(\text{CH}_2)_3\text{CH}(\text{OH})\text{COOH}$ $\text{C}_6\text{H}_{12}\text{O}_3$ M_r 132.16 [6064-63-7]		5 g 32. —	25 g 135. —
	Hydroxyhydroquinone triacetate see 90250 1,2,4-Triacetoxybenzene			
	Hydroxyhydroquinone trimethyl ether see 92160 1,2,4-Trimethoxybenzene			
	4-Hydroxy-3-[2-hydroxy-3-(2,4-dimethylphenylaminocarbonyl)-1-naphthylazo]benzenesulfonic acid Sodium salt see 95640 Xylidyl Blue I			
	3-Hydroxy-5-hydroxymethyl-2-methylisonicotinaldehyde hydrochloride see 82860 Pyridoxal hydrochloride			
	3-Hydroxy-4-(2-hydroxy-5-methylphenylazo)naphthalene-1-sulfonic acid see 21280 Calmagite			
	5-Hydroxy-2-hydroxymethyl-γ-pyran see 60890 Kojic acid			
	3-Hydroxy-4-(2-hydroxyphenylazo)-2-naphthoyl 2,4-dimethylanilide see 63150 Magon			
	3-Hydroxy-4-(2-hydroxy-4-sulfo-1-naphthylazo)naphthalene-2-carboxylic acid see 21260 Calconcarboxylic acid			
	Hydroxyindan see Indanol			
55340	5-Hydroxyindole purum >98%(N); M.P. 106-108° (5-Indolol) $\text{HO}\text{C}_6\text{H}_3\text{NHCH}:\text{CH}$ $\text{C}_8\text{H}_7\text{NO}$ M_r 133.15 [1953-54-4]		250 mg 20. —	1 g 70. —
	5-Hydroxy-3-indoleacetic acid $\text{HO}\text{C}_6\text{H}_3\text{NHCH}:\text{CHCH}_2\text{COOH}$ $\text{C}_{10}\text{H}_9\text{NO}_3$ M_r 191.19 [54-16-0]			
55360	purum >98%(T); M.P. 161-163° dec.; Ash <0.05%; store in refrigerator		250 mg 20. —	1 g 70. —
	8-Hydroxy-7-iodoquinoline-5-sulfonic acid (Ferron; 7-Iodo-8-hydroxyquinoline-5-sulfonic acid) $\text{C}_9\text{H}_6\text{INO}_4\text{S}$ M_r 351.12 [547-91-1]			
55370	puriss. p.a. >99%(T); M.P. 280-285° dec.; Determination: Ca, F', Fe(III); Detection: Ba, Ca, Fe, Sr, Zn		100 g 25. —	500 g 105. —
	α-Hydroxyisobutyric acid $(\text{CH}_3)_2\text{C}(\text{OH})\text{COOH}$ $\text{C}_4\text{H}_8\text{O}_3$ M_r 104.11 [594-61-6]			
55380	puriss. ~99%(GC); M.P. 79-81°		25 g 17. —	100 g 60. —
55390	pract. ~95%(GC); M.P. 75-78°		250 g 20. —	1 kg 70. —
	α-Hydroxyisobutyronitrile see 00591 Acetone cyanhydrin			
55430	α-Hydroxyisocaproic acid puriss. >99%(GC); M.P. 53-56° $(\text{CH}_3)_2\text{CHCH}_2\text{CH}(\text{OH})\text{COOH}$ $\text{C}_6\text{H}_{12}\text{O}_3$ M_r 132.16 [498-36-2]		1 g 30. —	5 g 125. —
	α-Hydroxyisovaleric acid (2-Hydroxy-3-methylbutyric acid) $(\text{CH}_3)_2\text{CHCH}(\text{OH})\text{COOH}$ $\text{C}_5\text{H}_{10}\text{O}_3$ M_r 118.13 [4026-18-0]			
55450	puriss. >99%(T); M.P. 82-84°		5 g 18. —	25 g 75. —
	Hydroxylamine hydrochloride (Hydroxylammonium chloride) 8/31a $\text{NH}_2\text{OH} \cdot \text{HCl}$ $\text{H}_3\text{NO} \cdot \text{HCl}$ M_r 69.49 [5470-11-1]			
55460	puriss. p.a. Fluka-Guarantee: Assay >99.0 % Lead (Pb) <0.001 % pH (5% solution in water, 20°C) 2.5-3.5 Iron (Fe) <0.001 % Ash <0.05 % Zinc (Zn) <0.0005 % Sulfate (SO_4) <0.002 % Calcium (Ca) <0.001 % Copper (Cu) <0.001 % Arsenic (As) <0.0001 % Cadmium (Cd) <0.0005 %		100 g 10. —	500 g 37. —
55469	purum p.a. water ~2% Fluka-Guarantee: Assay >98.0 % Iron (Fe) <0.005 % Sulfate (SO_4) <0.005 % Zinc (Zn) <0.005 % Copper (Cu) <0.005 % Calcium (Ca) <0.005 % Lead (Pb) <0.005 %		250 g 13. —	1 kg 45. —
55480	Hydroxylamine hydrogensulfate techn. ~95%(T) 6.1/21 $\text{NH}_2\text{OH} \cdot \text{H}_2\text{SO}_4$ $\text{H}_3\text{NO} \cdot \text{H}_2\text{SO}_4$ M_r 131.11 [13973-61-0]		1 kg 25. —	
55485	Hydroxylamine phosphate purum ~97%(RT); H_2O <2% $(\text{NH}_2\text{OH})_3\text{H}_3\text{PO}_4$ $(\text{H}_3\text{NO})_3\text{H}_3\text{PO}_4$ M_r 197.10 [19098-16-9]		250 g 29. —	



						sFr.	sFr.
Hydroxylamine sulfate							
6.1/21	$(\text{NH}_2\text{OH})_2 \cdot \text{H}_2\text{SO}_4$ $(\text{H}_3\text{NO})_2 \cdot \text{H}_2\text{SO}_4$ M_r 164.14 [10039-54-0]						
55489	puriss. p.a.			100 g 9. —	250 g 18. —	1 kg 65. —	
	Fluka-Guarantee:						
	Assay	>99.0%	Iron (Fe)	<0.0005%			
	Residue on ignition	<0.05%	Lead (Pb)	<0.0003%			
55490	purum p.a.				250 g 9. —	1 kg 30. —	
	Fluka-Guarantee:						
	Assay (T)	>98.0 %	Lead (Pb)	<0.005%			
	pH (5% solution in water, 20°C)	3.5-4.0	Iron (Fe)	<0.005%			
	Chloride (Cl)	<0.005%	Zinc (Zn)	<0.005%			
	Copper (Cu)	<0.005%	Calcium (Ca)	<0.005%			
55495	Hydroxylamine-O-sulfonic acid pract. >90%(RT); M.P. ~210° dec.				25 g 13. —	100 g 45. —	
8/12	$\text{H}_2\text{NOSO}_3\text{H}$ $\text{H}_3\text{NO}_4\text{S}$ M_r 113.09 [2950-43-8]						
Hydroxylammonium chloride see 55460 Hydroxylamine hydrochloride							
2-Hydroxylauric acid see 55240 2-Hydroxydodecanoic acid							
DL-5-Hydroxylysine hydrochloride (2,6-Diamino-5-hydroxycaproic acid hydrochloride)							
$\text{NH}_2\text{CH}_2\text{CH}(\text{OH})\text{CH}_2\text{CH}_2\text{CH}(\text{NH}_2)\text{COOH} \cdot \text{HCl}$ $\text{C}_6\text{H}_{14}\text{N}_2\text{O}_3 \cdot \text{HCl}$ M_r 198.65							
[13204-98-3]							
55500	puriss. CHR; M.P. 210° dec.; Mixture of DL- and DL-allo-Form				100 mg 10. —	1 g 80. —	
N-Hydroxymaleimide							
COCH:CHCONOH $\text{C}_4\text{H}_3\text{NO}_3$ M_r 113.07 [4814-74-8]							
55510	purum >98%(N); M.P. 124-126°; Reagent for the preparation of N-hydroxysuccinimide ester polymers via polymerizable active esters: M. Akiyama, K. Shimizu, M. Narita, Tetrahedron Lett. 1015 (1976)				1 g 35. —	5 g 145. —	
Hydroxymalonic acid see 86320 Tartronic acid							
55520	3-Hydroxymandelic acid puriss.				1 g 30. —	5 g 125. —	
$\text{HOC}_6\text{H}_4\text{CH}(\text{OH})\text{COOH}$ $\text{C}_8\text{H}_8\text{O}_4$ M_r 168.15 [17119-15-2]							
55530	4-Hydroxymandelic acid Monohydrate puriss.				1 g 22. —	5 g 90. —	
$\text{HOC}_6\text{H}_4\text{CH}(\text{OH})\text{COOH} \cdot \text{H}_2\text{O}$ $\text{C}_8\text{H}_8\text{O}_4 \cdot \text{H}_2\text{O}$ M_r 186.17 [1198-84-1]							
4-Hydroxy-2-mercapto-6-methylpyrimidine see 69400 4(6)-Methyl-2-thiouracil							
4-Hydroxy-2-mercapto-6-propylpyrimidine see 82460 4(6)-Propyl-2-thiouracil							
4-Hydroxy-2-mercaptopyrimidine see 89060 2-Thiouracil							
4-(Hydroxymercurio)benzoic acid Sodium salt see 55540 Sodium 4-(hydroxymercurio) benzoate							
2-Hydroxy-3-methoxybenzaldehyde see 94760 o-Vanillin							
3-Hydroxy-4-methoxybenzaldehyde see 59930 Isovanillin							
4-Hydroxy-3-methoxybenzaldehyde see 94750 Vanillin							
55545	2-Hydroxy-3-methoxybenzoic acid purum >99%(T); M.P. 150-152° (o-Vanillic acid)				10 g 11. —	50 g 44. —	
$\text{CH}_3\text{OC}_6\text{H}_3(\text{OH})\text{COOH}$ $\text{C}_8\text{H}_8\text{O}_4$ M_r 168.15 [877-22-5]							
4-Hydroxy-3-methoxybenzoic acid see 94770 Vanillic acid							
55550	2-Hydroxy-4-methoxybenzophenone purum ~98%(NT); M.P. 62-64°; UV-Absorber				100 g 22. —	500 g 90. —	
$\text{CH}_3\text{OC}_6\text{H}_3(\text{OH})\text{COC}_6\text{H}_5$ $\text{C}_{14}\text{H}_{12}\text{O}_3$ M_r 228.25 [131-57-7]							
55555	2-Hydroxy-3-methoxybenzyl alcohol purum >98%(GC); M.P. 60-62° (o-Vanillyl alcohol)				10 g 14. —	50 g 60. —	
$\text{CH}_3\text{OC}_6\text{H}_3(\text{OH})\text{CH}_2\text{OH}$ $\text{C}_8\text{H}_{10}\text{O}_3$ M_r 154.17 [4383-05-5]							
55560	3-Hydroxy-4-methoxybenzyl alcohol purum >99%(NT); M.P. 135-136° (Isovanillyl alcohol)				10 g 16. —	50 g 67. —	
$\text{CH}_3\text{OC}_6\text{H}_3(\text{OH})\text{CH}_2\text{OH}$ $\text{C}_8\text{H}_{10}\text{O}_3$ M_r 154.17 [4383-06-6]							
55570	4-Hydroxy-3-methoxybenzyl alcohol puriss. >99%(NT); M.P. 111-113° (Vanillyl alcohol)				50 g 16. —	250 g 67. —	
$\text{CH}_3\text{OC}_6\text{H}_3(\text{OH})\text{CH}_2\text{OH}$ $\text{C}_8\text{H}_{10}\text{O}_3$ M_r 154.17 [498-00-0]							
4-Hydroxy-3-methoxybenzylamine hydrochloride see 94800 Vanillylamine hydrochloride							
55610	trans-3-Hydroxy-4-methoxycinnamic acid puriss. >99%(T); M.P. 230-232°				1 g 20. —	5 g 85. —	
$\text{CH}_3\text{OC}_6\text{H}_3(\text{OH})\text{CH:CHCOOH}$ $\text{C}_{10}\text{H}_{10}\text{O}_4$ M_r 194.19 [537-73-5]							



			sFr.	sFr.
	4-Hydroxy-3-methoxycinnamic acid see 46280 Ferulic acid			
	7-Hydroxy-6-methoxycoumarin see 84792 Scopoletin			
55590	3-Hydroxy-4-methoxymandelic acid purum >98% (T); M.P. 130-135° dec. $\text{CH}_3\text{OC}_6\text{H}_3(\text{OH})\text{CH}(\text{OH})\text{COOH}$ $\text{C}_9\text{H}_{10}\text{O}_5$ M_r 198.18 [3695-24-7]		1 g 25. —	5 g 105. —
55600	4-Hydroxy-3-methoxymandelic acid (Vanillylmandelic acid) $\text{CH}_3\text{OC}_6\text{H}_3(\text{OH})\text{CH}(\text{OH})\text{COOH}$ $\text{C}_9\text{H}_{10}\text{O}_5$ M_r 198.18 [55-10-7] puriss. ~99% (T); M.P. 131-133°		1 g 25. —	5 g 105. —
	4-Hydroxy-3-methoxyphenylacetic acid see 53620 Homovanillic acid			
	3-(4-Hydroxy-3-methoxy-phenyl)-2-propen-1-ol see 27740 Coniferyl alcohol			
55613	N-Hydroxymethylacrylamide $\text{CH}_2=\text{CHCONHCH}_2\text{OH}$ $\text{C}_4\text{H}_7\text{NO}_2$ M_r 101.11 [924-42-5] pract. ~60% in water; stab. with 50-100 ppm Hydroquinone monomethylether	1 lt ≈ 1.12 kg	1 lt 18. —	
	2-(Hydroxymethyl)aniline see 07093 2-Aminobenzyl alcohol			
	4-(Hydroxymethyl)aniline see 07095 4-Amino-benzyl alcohol			
	2-Hydroxy-5-methylaniline see 08332 2-Amino-p-cresol			
	4-Hydroxy-2-methylaniline see 08329 4-Amino-m-cresol			
55612	9-(Hydroxymethyl)anthracene (9-Anthracenemethanol) 6.1/21 $\text{C}_{15}\text{H}_{12}\text{O}$ M_r 208.26 [1468-95-7] purum M.P. 161-163°; Intermediate for the preparation of various protecting group reagents: N. Kornblum, A. Scott, J. Am. Chem. Soc. 96, 590 (1974); ibid. J. Org. Chem. 42, 399 (1977)		5 g 29. —	25 g 120. —
55614	2-Hydroxymethylanthraquinone (2-Hydroxymethyl-9,10-anthracene-dione) $\text{C}_6\text{H}_4\text{OC}_6\text{H}_3(\text{CH}_2\text{OH})\text{O}$ $\text{C}_{15}\text{H}_{10}\text{O}_3$ M_r 238.24 [17241-59-7] purum; For a new protection of carboxylic groups. The MAQ esters are stable to the conventional operations of peptide synthesis but cleaved in high yield by a variety of selective, mild reducing agents: D. S. Kemp, J. Reczek, Tetrahedron Lett. 1031 (1977)		5 g 46. —	25 g 200. —
	2-Hydroxy-3-methylbenzoic acid see 61100 3-Methylsalicylic acid			
	2-Hydroxy-4-methylbenzoic acid see 61105 4-Methylsalicylic acid			
	2-Hydroxymethylbenzoic acid benzoate see 13030 2-Benzoyloxymethyl-benzoic acid			
	2-Hydroxymethylbenzoyl chloride benzoate see 13032 2-Benzoyloxymethylbenzoyl chloride			
55611	2-Hydroxymethyl-bicyclo[2.2.1]hept-5-ene (5-Norbornen-2-methanol) $\text{C}_8\text{H}_{12}\text{O}$ M_r 124.18 [95-12-5] techn. ~85% (GC); B.P. 108-109°; d_4^{20} 1.026; n_D^{20} 1.499	1 lt ≈ 1.03 kg	250 ml 17. —	1 lt 60. —
	3-Hydroxy-3-methyl-1-butene see 66090 2-Methyl-3-buten-2-ol			
	2-Hydroxy-3-methylbutyric acid see 55450 α-Hydroxyisovaleric acid			
	7-Hydroxy-4-methylcoumarin see 69580 4-Methylumbelliferone (β)			
55635	(Hydroxymethyl)cyclododecane purum (Cyclododecanemethanol) $\text{CH}_2(\text{CH}_2)_{10}\text{CHCH}_2\text{OH}$ $\text{C}_{13}\text{H}_{26}\text{O}$ M_r 198.35 [1892-12-2]		5 g 26. —	25 g 110. —
55632	(Hydroxymethyl)cycloheptane (Cycloheptanemethanol; Cycloheptylcarbinol) 3/4 $\text{CH}_2(\text{CH}_2)_5\text{CHCH}_2\text{OH}$ $\text{C}_8\text{H}_{16}\text{O}$ M_r 128.22 [4448-75-3] pract.	1 lt ≈ 0.94 kg	10 ml 30. —	50 ml 125. —
55640	(Hydroxymethyl)cyclohexane (Cyclohexyl carbinol; Cyclohexanemethanol; 3/4; 77° Hexahydrobenzyl alcohol) $\text{CH}_2(\text{CH}_2)_4\text{CHCH}_2\text{OH}$ $\text{C}_7\text{H}_{14}\text{O}$ M_r 114.19 [100-49-2] purum ~97% (GC); B.P. 108-109°; d_4^{20} 0.928; n_D^{20} 1.464	1 lt ≈ 0.93 kg	50 ml 18. —	250 ml 75. —
	2-Hydroxy-3-methyl-2-cyclopenten-1-one see 66550 3-Methyl-2-cyclopenten-2-ol-1-one Hydrate			
55660	(Hydroxymethyl)cyclopropane (Cyclopropyl carbinol) 3/3; 40° $\text{CH}_2\text{CH}_2\text{CHCH}_2\text{OH}$ $\text{C}_4\text{H}_8\text{O}$ M_r 72.11 [2516-33-8] purum >98% (GC); B.P. 122-124°; d_4^{20} 0.912; n_D^{20} 1.431	1 lt ≈ 0.91 kg	5 ml 26. —	25 ml 110. —

			sFr.	sFr.
	5-Hydroxymethyl-2-furaldehyde			
	$\text{QC}(\text{CHO})\text{:CHCH}\text{:}\dot{\text{C}}\text{H}_2\text{OH}$ $\text{C}_6\text{H}_6\text{O}_3$ M_r 126.11 [67-47-0]			
55690	purum >97%(GC); M.P. 23-27°; B.P. _{0.1} 88-91°; store in refrigerator		1 g 18. —	5 g 75. —
55695	3-Hydroxy-3-methylglutaric acid purum >98%(T); M.P. 105-108°			
	$\text{HOOCCH}_2\text{C}(\text{OH})(\text{CH}_3)\text{CH}_2\text{COOH}$ $\text{C}_6\text{H}_{10}\text{O}_5$ M_r 162.14 [503-49-1]			
	2-Hydroxy-2-methylmalonic acid see 58290 α -Isomalic acid			
	(4S,5S)-4-Hydroxymethyl-2-methyl-5-phenyl-2-oxazoline see 37303 (4S,5S)-4,5-Dihydro-4-hydroxymethyl-2-methyl-5-phenyloxazole			
	3-Hydroxymethyl-1-methylpiperidine (1-Methyl-3-piperidinemethanol)			
	$\text{CH}_3\text{N}(\text{CH}_2)_3\text{CH}(\text{CH}_2\text{OH})\dot{\text{C}}\text{H}_2$ $\text{C}_7\text{H}_{15}\text{NO}$ M_r 129.20 [7583-53-1]			
55710	purum >98%(GC); B.P. ₁₂ 103-110°; d_4^{20} 0.970; n_D^{20} 1.478		1 lt $\approx$ 0.97 kg	10 ml 18. — 50 ml 75. —
	2-Hydroxymethyl-2-methyl-1,3-propanediol see 93340 1,1,1-Tris(hydroxymethyl)ethane			
	2-Hydroxymethyl-2-nitro-1,3-propanediol see 93360 Tris(hydroxymethyl)nitromethane			
	4-Hydroxy-4-methyl-2-pentanone (Diacetone alcohol)			
	3/1a; 9° $(\text{CH}_3)_2\text{C}(\text{OH})\text{CH}_2\text{COCH}_3$ $\text{C}_6\text{H}_{12}\text{O}_2$ M_r 116.16 [123-42-2]			
31440	puriss. $\sim$ 99%(GC); B.P. ₁₁ 58-59°; d_4^{20} 0.938; n_D^{20} 1.424		1 lt $\approx$ 0.94 kg	250 ml 9. — 1 lt 30. —
31450	purum $\sim$ 98%(GC); B.P. 160-164°; d_4^{20} 0.938; n_D^{20} 1.424		1 lt $\approx$ 0.94 kg	1 lt 12. — 5 lt 50. —
	3-Hydroxy-3-methyl-1-pentene see 68565 3-Methyl-1-penten-3-ol			
	2-(Hydroxymethyl)phenyl-β-D-glucopyranoside see 84150 D-Salicin			
55740	N-(Hydroxymethyl)phthalimide purum $\sim$ 98%(N); M.P. 140-142° (Phthalimidomethanol)		100 g 18. —	500 g 75. —
	$\dot{\text{C}}\text{OC}_6\text{H}_4\text{CONCH}_2\text{OH}$ $\text{C}_9\text{H}_7\text{NO}_3$ M_r 177.16 [118-29-6]			
	3-Hydroxy-3-methylphthalide see 00930 2-Acetylbenzoic acid			
	3-Hydroxy-1-methylpiperidine (1-Methyl-3-piperidinol)			
	$\text{CH}_3\text{N}(\text{CH}_2)_3\text{CH}(\text{OH})\dot{\text{C}}\text{H}_2$ $\text{C}_6\text{H}_{13}\text{NO}$ M_r 115.18 [3554-74-3]			
55750	pract. >97%(GC); B.P. ₁₁ 76-78°; d_4^{20} 0.977; n_D^{20} 1.475		1 lt $\approx$ 0.98 kg	25 ml 17. — 100 ml 60. —
	4-Hydroxy-1-methylpiperidine (1-Methyl-4-piperidinol)			
	$\text{CH}_3\text{NCH}_2\text{CH}_2\text{CH}(\text{OH})\text{CH}_2\dot{\text{C}}\text{H}_2$ $\text{C}_6\text{H}_{13}\text{NO}$ M_r 115.18 [106-52-5]			
55760	purum >97%(GC); M.P. 25-28°; B.P. 196-200°; n_D^{20} 1.479		1 lt $\approx$ 0.98 kg	100 ml 20. — 500 ml 85. —
	2-(Hydroxymethyl)pyridine (ω -Hydroxy-2-picoline; 2-Pyridinemethanol; 2-Pyridyl carbinol)			
	6.1/21 $\text{N}\text{:CHCH}\text{:CHCH}\text{:}\dot{\text{C}}\text{H}_2\text{OH}$ $\text{C}_6\text{H}_7\text{NO}$ M_r 109.13 [586-98-1]			
55770	pract. $\sim$ 95%(GC); B.P. 219-224°; d_4^{20} 1.130; n_D^{20} 1.543; store in refrigerator		1 lt $\approx$ 1.13 kg	25 ml 24. — 100 ml 90. —
	3-(Hydroxymethyl)pyridine (ω -Hydroxy-3-picoline; 3-Pyridinemethanol; 3-Pyridyl carbinol)			
	6.1/21 $\text{N}\text{:CHCH}\text{:CHC}(\text{CH}_2\text{OH})\text{:}\dot{\text{C}}\text{H}$ $\text{C}_6\text{H}_7\text{NO}$ M_r 109.13 [100-55-0]			
55780	purum >98%(GC); B.P. ₁₀ 137-140°; d_4^{20} 1.135; n_D^{20} 1.544; store in refrigerator		1 lt $\approx$ 1.13 kg	50 ml 18. — 250 ml 75. —
	4-(Hydroxymethyl)pyridine (ω -Hydroxy-4-picoline; 4-Pyridinemethanol; 4-Pyridyl carbinol)			
	6.1/21 $\text{N}\text{:CHCH}\text{:C}(\text{CH}_2\text{OH})\text{CH}\text{:}\dot{\text{C}}\text{H}$ $\text{C}_6\text{H}_7\text{NO}$ M_r 109.13 [586-95-8]			
55790	pract. >98%(NT); M.P. 52-56°; store in refrigerator		10 g 12. —	50 g 50. —
	3-Hydroxy-2-methyl-4-pyrone (Maltol)			
	$\text{QCH}\text{:CHCOC}(\text{OH})\text{:}\dot{\text{C}}\text{CH}_3$ $\text{C}_6\text{H}_6\text{O}_3$ M_r 126.11 [118-71-8]			
55849	purum >98%(NT); M.P. 161-162°; 1 g clearly soluble in 20 ml Methanol		25 g 24. —	100 g 90. —
55623	4-Hydroxy-1-methyl-2(1H)-quinolone techn.		50 g 10. —	250 g 40. —
	$\text{C}_9\text{H}_8\text{N}(\text{CH}_3)\text{COCH}\text{:}\dot{\text{C}}\text{OH}$ $\text{C}_{10}\text{H}_8\text{NO}_2$ M_r 175.19 [1677-46-9]			
	2-Hydroxy-2-methylsuccinic acid Dipotassium salt see 27455 ($\pm$)-Citramalic acid			
	2-(Hydroxymethyl)tetrahydropyran (2-Tetrahydropyranyl carbinol; Tetrahydropyran-2-methanol)			
	3/4; 76° $\text{Q}(\text{CH}_2)_4\text{CHCH}_2\text{OH}$ $\text{C}_6\text{H}_{12}\text{O}_2$ M_r 116.16 [100-72-1]			
55870	pract. >98%(GC); B.P. 186-189°; d_4^{20} 1.027; n_D^{20} 1.458		1 lt $\approx$ 1.03 kg	100 ml 9. — 500 ml 34. —
	2-(Hydroxymethyl)thiophene see 55880 2-Thiophenemethanol			
	4-Hydroxy-6-methyl-2-thiopyrimidine see 69400 4(6)-Methyl-2-thiouracil			
	DL-3-Hydroxy-3-methyl-δ-valerolactone see 69761 DL-Mevalonic acid lactone			
	2-Hydroxymyristic acid see 56490 2-Hydroxytetradecanoic acid			

			sFr.	sFr.
	2-Hydroxy-1-naphthaldehyde			
	$\text{HOC}_{10}\text{H}_7\text{CHO}$ $\text{C}_{11}\text{H}_8\text{O}_2$ M_r 172.19 [708-06-5]			
55890	purum >98%(NT); M.P. 80-82°; Reagent for aliphatic Ketones; Anal. Chem. 31, 122 (1959)		100 g 20. —	500 g 85. —
	N-Hydroxynaphthalimide Sodium salt see 70330 N,N-Naphthalylhydroxylamine Sodium salt			
55910	1-Hydroxy-2-naphthoic acid pract. >97%(T) (α -Hydroxynaphthoic acid) $\text{HOC}_{10}\text{H}_6\text{COOH}$ $\text{C}_{11}\text{H}_8\text{O}_3$ M_r 188.18 [86-48-6]		100 g 11. —	500 g 46. —
	3-Hydroxy-2-naphthoic acid (2-3) (β -Hydroxynaphthoic acid) $\text{HOC}_{10}\text{H}_6\text{COOH}$ $\text{C}_{11}\text{H}_8\text{O}_3$ M_r 188.18 [92-70-6]			
55930	pract. >95%(T); M.P. 216-220°		250 g 22. —	1 kg 80. —
	3-Hydroxy-2-naphthoic acid anilide see Naphthol AS			
55900	2-Hydroxy-1,4-naphthoquinone purum M.P. 192-195° dec. $\text{C}_6\text{H}_4\text{COC(OH):CHCHO}$ $\text{C}_{10}\text{H}_6\text{O}_3$ M_r 174.16 [83-72-7]		25 g 20. —	100 g 75. —
	5-Hydroxy-1,4-naphthoquinone see 59990 Juglone			
	4-(2- and 4-Hydroxy-1-naphthylazo)benzenesulfonic acid Sodium salt see 75360 and 75370 Orange I and II			
	8-Hydroxy-7-(1-naphthylazo)quinoline-5-sulfonic acid see 70890 Naphthylazoxine			
	2-(2-Hydroxy-1-naphthylazo)thiazole see 88413 1-(2-Thiazolylazo)-2-naphthol			
	6-Hydroxy-2-naphthyl disulfide [Bis(6-hydroxy-2-naphthyl) disulfide; 6.1/81g 6,6'-Dihydroxy-2,2'-dinaphthyl disulfide) $\text{HOC}_{10}\text{H}_6\text{SSC}_{10}\text{H}_6\text{OH}$ $\text{C}_{20}\text{H}_{14}\text{O}_2\text{S}_2$ M_r 350.46 [6088-51-3]			
37680	puriss. p.a. >99%(S); M.P. ~220-230°; 1 g clearly soluble in 100 ml Methanol; Highly specific for the detection of sulfhydryl groups in proteins: R. J. Barnett and A. M. Seligman, J. Nat. Cancer Inst. 14, 769-805 (1973)		1 g 12. —	5 g 50. —
	6-Hydroxynicotinic acid see 56410 6-Hydroxypyridine-3-carboxylic acid			
	2-Hydroxy-4- and 2-Hydroxy-5-nitriloaniline see 08910 and 08930 2-Amino-4- and 2-Amino-5-nitrophenol			
	2-Hydroxy-5-nitrobenzoic acid see 73820 5-Nitrosalicylic acid			
55970	3-Hydroxy-4-nitrobenzoic acid puriss. ~99%(T); M.P. 233-235° $\text{NO}_2\text{C}_6\text{H}_3(\text{OH})\text{COOH}$ $\text{C}_7\text{H}_5\text{NO}_5$ M_r 183.12 [619-14-7]		25 g 40. —	
55990	4-Hydroxy-3-nitrobenzoic acid purum >99%(T); M.P. 182-184° $\text{NO}_2\text{C}_6\text{H}_3(\text{OH})\text{COOH}$ $\text{C}_7\text{H}_5\text{NO}_5$ M_r 183.12 [616-82-0]		100 g 20. —	
	5-Hydroxy-2-nitrobenzotrifluoride (4-Nitro-3-trifluoromethylphenol) 6.1/21 $\text{NO}_2\text{C}_6\text{H}_3(\text{OH})\text{CF}_3$ $\text{C}_7\text{H}_4\text{F}_3\text{NO}_3$ M_r 207.11 [88-30-2]			
56000	pract. >98%(T); M.P. 74-77°		10 g 38. —	50 g 160. —
	2-Hydroxy-5-nitrobenzyl bromide (2-Bromomethyl-4-nitrophenol; α -Bromo-4-nitro-o-cresol; 6.1/21 Koshland I) $\text{NO}_2\text{C}_6\text{H}_3(\text{OH})\text{CH}_2\text{Br}$ $\text{C}_7\text{H}_6\text{BrNO}_3$ M_r 232.04 [772-33-8]			
56011	puriss. biochim. >99%(Br); M.P. 142-145°; For the modification of tryptophan residues in neutral and acidic conditions: D. E. Koshland jr., Y. P. Karkhanis and H. G. Lathan, J. Am. Chem. Soc. 87, 1126 (1965)		5 g 13. —	25 g 55. —
	4-Hydroxy-3-nitrobenzenearsonic acid see 73570 2-Nitrophenol-4-arsonic acid			
56030	2-Hydroxy-5-nitropyridine purum >99%(NT); M.P. 188-190° (5-Nitro-2-pyridone) 6.1/21 $\text{N:CHC(NO}_2\text{):CHCH:CHOH}$ $\text{C}_5\text{H}_4\text{N}_2\text{O}_3$ M_r 140.10 [5418-51-9]		25 g 26. —	
	5-Hydroxy-2-nitrotoluene see 73460 4-Nitro-m-cresol			
	N-Hydroxy-5-norbornene-2,3-dicarboxylic acid imide (HONB; N-Hydroxybicyclo[2.2.1]hept-5-ene- 2,3-dicarboxylic acid imide) $\text{C}_9\text{H}_9\text{NO}_3$ M_r 179.18 [21715-90-2]			
56055	purum >98%(T); M.P. 165-166°; Excellent additive for the formation of peptide bonds with DDC; the reagent decreases racemization, prohibits formation of N-acylurea and affords peptides in excellent yields and in a high state of purity: M. Fujino et al., Chem. Pharm. Bull. 22, 1857 (1974); Suppression of racemization: Ch. Kitada, M. Fujino, Chem. Pharm. Bull. 26, 585 (1978)		10 g 22. —	50 g 90. —

			sFr.	sFr.
56060	2-Hydroxyoctanoic acid purum >98% (T); M.P. 66-68° (2-Hydroxycaprylic acid) $\text{CH}_3(\text{CH}_2)_6\text{CH}(\text{OH})\text{COOH}$ $\text{C}_8\text{H}_{16}\text{O}_3$ M_r 160.22 [617-73-2]		5 g 29. —	25 g 120. —
	17β-Hydroxy-4-oestren-3-one see 74640 19-Nortestosterone			
	12-Hydroxyoleic acid see 83903 Ricinoleic acid			
	2-Hydroxypalmitic acid see 55320 2-Hydroxyhexadecanoic acid			
	5-Hydroxy-2-pentanone (3-Acetyl-1-propanol) $\text{CH}_3\text{COCH}_2\text{CH}_2\text{CH}_2\text{OH}$ $\text{C}_5\text{H}_{10}\text{O}_2$ M_r 102.14 [1071-73-4]			
56062	techn. d_4^{20} 0.999; n_D^{20} 1.439; contains ~15% water	1 lt $\approx$ 1.00 kg	25 ml 18. —	100 ml 65. —
	4-Hydroxy-3-pentenoic acid γ-lactone see 10380 α -Angelicalactone			
	7-Hydroxy-3H-phenoxazin-3-one 10-oxide see 83560 Resazurine			
	α-Hydroxyphenylacetic acid see Mandelic acid			
56120	2-Hydroxyphenylacetic acid purum >97% (T); M.P. 145-147° $\text{HOC}_6\text{H}_4\text{CH}_2\text{COOH}$ $\text{C}_8\text{H}_8\text{O}_3$ M_r 152.15 [614-75-5]		5 g 11. —	25 g 46. —
56130	3-Hydroxyphenylacetic acid purum >97% (T); M.P. 130-137° $\text{HOC}_6\text{H}_4\text{CH}_2\text{COOH}$ $\text{C}_8\text{H}_8\text{O}_3$ M_r 152.15 [621-37-4]		1 g 12. —	5 g 50. —
56140	4-Hydroxyphenylacetic acid purum >98% (T); M.P. 148-151°; Ash <0.1% $\text{HOC}_6\text{H}_4\text{CH}_2\text{COOH}$ $\text{C}_8\text{H}_8\text{O}_3$ M_r 152.15 [156-38-7]		25 g 24. —	100 g 90. —
	α-Hydroxyphenylacetone nitrile see 12021 Mandelonitrile			
	4-Hydroxyphenylacetone nitrile see 54874 4-Hydroxybenzyl cyanide			
	α-Hydroxy-α-phenylacetophenone see 12510 Benzoin			
	DL-1-(4-Hydroxyphenyl)-2-aminoethanol hydrochloride see 74980 DL-Octopamine hydrochloride			
	4'-Hydroxy-phenylazo-2-benzoic acid (HABA; 4'-Hydroxyazobenzene-2-carboxylic acid) $\text{HOC}_6\text{H}_4\text{N}=\text{NC}_6\text{H}_4\text{COOH}$ $\text{C}_{13}\text{H}_{10}\text{N}_2\text{O}_3$ M_r 242.24 [1634-82-8]			
54791	purum >98% (T); M.P. 204-208°; For the determination of serum albumin according to A.T. Ness et al., Clin. Chim. Acta 12, 532 (1965)	5 g 11. —	10 g 20. —	50 g 85. —
	2-(4-Hydroxyphenyl)ethylamine see 93810 Tyramine			
	N-(4-Hydroxyphenyl)glycine ("Glycine") $\text{HOC}_6\text{H}_4\text{NHCH}_2\text{COOH}$ $\text{C}_8\text{H}_9\text{NO}_3$ M_r 167.17 [122-87-2]			
56150	purum stab. with 10% Potassium metabisulfite		50 g 21. —	250 g 90. —
	2-Hydroxy-2-phenylpropionic acid see 11310 Atrolactic acid Hemihydrate			
	2-Hydroxy-3-phenylpropionic acid see 78840 and 78842 DL- and L(—)-3-Phenyllactic acid			
	3-Hydroxy-2-phenylpropionic acid see 93540 Tropic acid			
	3-(4-Hydroxyphenyl)propionic acid (Phloretic acid) $\text{HOC}_6\text{H}_4\text{CH}_2\text{CH}_2\text{COOH}$ $\text{C}_9\text{H}_{10}\text{O}_3$ M_r 166.18 [501-97-3]			
56190	purum ~99% (NT); M.P. 127-129°; Ash <0.1%		10 g 16. —	50 g 67. —
	3-(4-Hydroxyphenyl)propionic acid N-hydroxysuccinimide ester (Rudinger Reagent; Bolton-Hunter Reagent) $\text{HOC}_6\text{H}_4\text{CH}_2\text{CH}_2\text{COONCOCH}_2\text{CH}_2\text{CO}$ $\text{C}_{13}\text{H}_{13}\text{NO}_5$ M_r 263.25 [34071-95-9]			
56189	puriss. biochim.; store in refrigerator; a new intermediate for high ^{125}I -labelling of proteins (application for radioimmunoassay): A. E. Bolton and W. M. Hunter, Biochem. J. 133, 529 (1973); J. Rudinger and U. Rüegg, Biochem. J. 133, 538 (1973)		1 g 35. —	5 g 145. —
	1-Hydroxy-1-phenyl-2-propyne see 78980 1-Phenyl-2-propyn-1-ol			
56111	4-Hydroxyphenylpyruvic acid purum >98% (T); M.P. ~218° dec. $\text{HOC}_6\text{H}_4\text{CH}_2\text{COCOCH}_3$ $\text{C}_9\text{H}_8\text{O}_4$ M_r 180.16 [156-39-8]		1 g 16. —	5 g 67. —
	4-Hydroxyphenyl sulfide [Bis(4-hydroxyphenyl) sulfide; 4,4'-Thiodiphenol] $\text{HOC}_6\text{H}_4\text{SC}_6\text{H}_4\text{OH}$ $\text{C}_{12}\text{H}_{10}\text{O}_2\text{S}$ M_r 218.28 [2664-63-3]			
14942	purum >97% (S); M.P. 151-153°		50 g 24. —	250 g 100. —
	4-Hydroxyphenyl sulfone [Bis(4-hydroxyphenyl) sulfone] $\text{HOC}_6\text{H}_4\text{SO}_2\text{C}_6\text{H}_4\text{OH}$ $\text{C}_{12}\text{H}_{10}\text{O}_4\text{S}$ M_r 250.28 [80-09-1]			
14945	pract. >97% (NT); M.P. 220-225°; H_2O <1%		250 g 13. —	1 kg 45. —

			sFr.	sFr.
56191	N-Hydroxyphthalimide purum >98%(T); M.P. ~235° dec. <chem>C6H4CON(OH)CO</chem> <chem>C6H5NO3</chem> M_r 163.13 [524-38-9]		100 g 18.—	500 g 75.—
	ω-Hydroxy-2-, 3- and 4-picoline see 55770, 55780 and 55790 2-, 3- and 4-Hydroxymethylpyridine			
	1-Hydroxypiperidine (1-Piperidinol) <chem>HON(CH2)4CH2</chem> <chem>C5H11NO</chem> M_r 101.15 [4801-58-5]			
56200	purum >97%(NT); M.P. 36-39°; 1 g clearly soluble in 10 ml water; store in refrigerator		50 g 17.—	250 g 70.—
	3-Hydroxypiperidine (3-Piperidinol) <chem>NH(CH2)3CH(OH)CH2</chem> <chem>C5H11NO</chem> M_r 101.15 [6859-59-0]			
56210	purum >97%(NT); M.P. 56-60°; 1 g clearly soluble in 10 ml water; store in refrigerator		10 g 32.—	50 g 135.—
56220	4-Hydroxypiperidine purum >98%(NT); M.P. 86-90° (4-Piperidinol) 8/35 <chem>NHCH2CH2CH(OH)CH2CH2</chem> <chem>C5H11NO</chem> M_r 101.15 [5382-16-1]		25 g 40.—	100 g 145.—
	3β-Hydroxy-5-pregnen-20-one see 81630 5-Pregnen-3 β -ol-20-one			
	17α-Hydroxyprogesterone (4-Pregnen-17 α -ol-3,20-dione) <chem>C21H30O3</chem> M_r 330.47 [604-09-1]			
56240	purum >99%(HPLC); M.P. 215-218°; $[\alpha]_{545}^{20} + 141 \pm 2^\circ$; $[\alpha]_D^{20} + 116 \pm 2^\circ$ (c = 2 in Dioxane)		1 g 8.—	5 g 29.—
56243	18-Hydroxyprogesterone puriss. (4-Pregnen-18-ol-3,20-dione) <chem>C21H30O3</chem> M_r 330.47 [596-69-0]		5 mg 170.—	
	21-Hydroxyprogesterone see 30990 11-Deoxycorticosterone			
	L-4-Hydroxyproline (4-Hydroxypyrrolidine-2-carboxylic acid) <chem>NHCH2CH(OH)CH2CHCOOH</chem> <chem>C5H9NO3</chem> M_r 131.13 [51-35-4]			
56250	puriss. p.a. $[\alpha]_{545}^{20} - 89 \pm 0.5^\circ$; $[\alpha]_D^{20} - 75.6 \pm 0.5^\circ$ (c = 5 in water) Fluka-Guarantee:		1 g 7.—	5 g 12.— 25 g 40.—
	Assay >99.0% Ammonium (NH ₄) <0.01 %			
	Other amino acids <0.3 % Copper (Cu) <0.0001%			
	Loss on drying <0.1 % Lead (Pb) <0.0001%			
	Residue on ignition (as SO ₄) <0.1 % Iron (Fe) <0.0005%			
	Chloride (Cl) <0.01% Zinc (Zn) <0.0001%			
	Sulfate (SO ₄) <0.01% Cadmium (Cd) <0.0001%			
	2-Hydroxypropionic acid see 69773 L(+) -Lactic acid			
	3-Hydroxypropionic acid (Hydracrylic acid) <chem>HOCH2CH2COOH</chem> <chem>C3H6O3</chem> M_r 90.08 [503-66-2]			
56290	pract. ~95%(T); d_4^{20} 1.257; n_D^{20} 1.447; contains also β -Propiolactone; store in refrigerator		1 lt $\approx$ 1.26 kg	25 ml 20.— 100 ml 70.—
	2-Hydroxypropionic acid ethyl ester see 69799 (—) -Ethyl L(+) -lactate			
	3-Hydroxypropionic acid lactone see 81850 β -Propiolactone			
	2-Hydroxypropionitrile see 69830 DL-Lactonitrile			
	3-Hydroxypropionitrile (Ethylene cyanohydrin; Hydracrylonitrile) 6.1/2b <chem>HOCH2CH2CN</chem> <chem>C3H5NO</chem> M_r 71.08 [109-78-4]			
56270	puriss. >99%(GC); B.P. 110-108°; d_4^{20} 1.045; n_D^{20} 1.426		1 lt $\approx$ 1.04 kg	100 ml 14.— 500 ml 60.—
56280	pract. >97%(GC); d_4^{20} 1.045; n_D^{20} 1.426		1 lt $\approx$ 1.04 kg	250 ml 17.— 1 lt 60.—
	2-Hydroxypropiophenone <chem>HOC6H4COC2H5</chem> <chem>C9H10O2</chem> M_r 150.18 [610-99-1]			
56310	pract. >95%(GC); B.P. 234-236°; d_4^{20} 1.103; n_D^{20} 1.549		1 lt $\approx$ 1.10 kg	100 ml 12.— 500 ml 50.—
	4-Hydroxypropiophenone <chem>HOC6H4COC2H5</chem> <chem>C9H10O2</chem> M_r 150.18 [70-70-2]			
56320	purum >98%(NT); M.P. 148-150°; 1 g clearly soluble in 10 ml Methanol		100 g 18.—	500 g 75.—
	Hydroxypropyl methacrylate 3/4; 95° <chem>CH2=C(CH3)COOCH2CH(OH)CH3</chem> <chem>C7H12O3</chem> M_r 144.17 [923-26-2]			
64180	pract. stab. with 0.05% Hydroquinone monoethyl ether; d_4^{20} 1.026; n_D^{20} 1.448; mixture of isomers; store in refrigerator		1 lt $\approx$ 1.03 kg	250 ml 16.— 1 lt 55.—
56375	1-(3-Hydroxypropyl)-2-pyrrolidone purum <chem>HOCH2CH2CH2N(CH2)2CO</chem> <chem>C7H13NO2</chem> M_r 143.19 [62012-15-1]		1 lt $\approx$ 1.10 kg	50 ml 29.— 250 ml 120.—



			sFr.	sFr.
	6-Hydroxypurine see 56700 Hypoxanthine			
	2-Hydroxypyridine (2-Pyridone; 2-Pyridinol) N:CHCH:CHCH:COH C ₅ H ₅ NO M _r 95.10 [142-08-5]			
56380	pract. >97%(NT); M.P. 103-106°; H ₂ O ~1%; store in refrigerator		100 g 38.—	500 g 160.—
	3-Hydroxypyridine (3-Pyridone; 3-Pyridinol) N:CHC(OH):CHCH:CH C ₅ H ₅ NO M _r 95.10 [109-00-2]			
56390	purum >98%(NT); M.P. 125-128°; store in refrigerator		25 g 10.—	100 g 32.—
	4-Hydroxypyridine (4-Pyridone; 4-Pyridinol) N:CHCH:C(OH)CH:CH C ₅ H ₅ NO M _r 95.10 [626-64-2]			
56400	techn. ~90% + NaCl + H ₂ O; M.P. 130-140° (depends on water content; strongly hygroscopic; contains some 2-Hydroxypyridine; store in refrigerator		25 g 24.—	100 g 90.—
	6-Hydroxypyridine-3-carboxylic acid (6-Hydroxynicotinic acid) N:C(OH)CH:CHC(COOH):CH C ₆ H ₅ NO ₃ M _r 139.11 [5006-66-6]			
56410	purum ~97%(T); M.P. ~300° dec.; Ash <0.5%; store in refrigerator		10 g 16.—	50 g 67.—
	4-Hydroxypyridine-2,6-dicarboxylic acid see 22490 Chelidamic acid			
	α-Hydroxy-2-pyridinemethanesulfonic acid see 83040 (2-Pyridyl)hydroxymethanesulfonic acid			
56420	4(6)-Hydroxypyrimidine purum >98%(NT); M.P. 163-165° N:CHN:C(OH)CH:CH C ₄ H ₄ N ₂ O M _r 96.09 [4562-27-0]		1 g 10.—	5 g 40.—
	2-Hydroxypyrimidine hydrochloride (2-Pyrimidinol hydrochloride) N:C(OH)N:CHCH:CH.HCl C ₄ H ₄ N ₂ O.HCl M _r 132.55 [38353-09-2]			
56430	purum ~97%(Cl); M.P. 200-205° dec.		25 g 24.—	100 g 90.—
	4-Hydroxypyrrolidine-2-carboxylic acid see 56250 L-4-Hydroxyproline			
55020	4-Hydroxyquinaldine purum >99%(NT); M.P. 232-235° (2-Methyl-4-quinolinol) C ₆ H ₄ N:C(CH ₃)CH:COH C ₁₀ H ₉ NO M _r 159.19 [607-67-0]		10 g 22.—	50 g 90.—
55040	8-Hydroxyquinaldine purum >99%(NT); M.P. 71-73° (2-Methyl-8-quinolinol) HO-C ₆ H ₃ N:C(CH ₃)CH:CH C ₁₀ H ₉ NO M _r 159.19 [826-81-3]		100 g 18.—	500 g 75.—
55045	3-Hydroxyquinaldine-4-carboxylic acid pract. >97%(T); M.P. 258-259° C ₆ H ₄ N:C(CH ₃)C(OH):CCOOH C ₁₁ H ₉ NO ₃ M _r 203.20 [117-57-7]		50 g 20.—	250 g 85.—
	2-, 4- and 8-Hydroxyquinoline see 55050, 55060 and 55070 2-, 4- and 8-Quinolinol			
	4-Hydroxyquinoline-2-carboxylic acid Monohydrate see 61260 Kynurenic acid Monohydrate			
	3-Hydroxyquinuclidine see 55121 3-Quinolidinol			
56440	12-Hydroxystearic acid techn. 70-80%(GC) + 20-30% Stearic acid; M.P. 75-80° CH ₃ (CH ₂) ₅ CH(OH)(CH ₂) ₁₀ COOH C ₁₈ H ₃₆ O ₃ M _r 300.49 [106-14-9]		250 g 11.—	1 kg 38.—
56450	12-Hydroxystearic acid amide techn. ~90%(N); M.P. 106-108° CH ₃ (CH ₂) ₅ CH(OH)(CH ₂) ₁₀ CONH ₂ C ₁₈ H ₃₇ NO ₂ M _r 299.50 [7059-49-6]		250 g 10.—	1 kg 35.—
56475	4-Hydroxystilbene purum M.P. 184-186° 6.1/21 HOC ₆ H ₄ CH:CHC ₆ H ₅ C ₁₄ H ₁₂ O M _r 196.25 [4973-29-9]		10 g 20.—	50 g 85.—
	2-Hydroxysuccinic acid see Malic acid			
	N-Hydroxysuccinimide HONCOCH ₂ CH ₂ CO C ₄ H ₅ NO ₃ M _r 115.09 [6066-82-6]			
56480	purum >97%(T); M.P. 95-98°; contains 1-3% Succinic acid and/or Succinic anhydride		25 g 21.—	100 g 75.— 1 kg 600.—
	2-Hydroxy-5-sulfobenzoic acid see 86195 5-Sulfosalicylic acid			
	2-Hydroxy-5-sulfobenzoic acid Sodium salt see 86197 5-Sulfosalicylic acid Sodium salt			
	2-[5-(2-Hydroxy-5-sulfophenyl)-3-phenyl-1-formazyl]benzoic acid Disodium salt see 96440 Zincon Disodium salt			
56490	2-Hydroxytetradecanoic acid purum >97%(GC) (2-Hydroxymyristic acid) CH ₃ (CH ₂) ₁₁ CH(OH)COOH C ₁₄ H ₂₈ O ₃ M _r 244.38 [2507-55-3]		5 g 37.—	25 g 155.—
	3-Hydroxytetrahydrofuran 6.1/22; 81° QCH ₂ CH(OH)CH ₂ CH ₂ C ₄ H ₈ O ₂ M _r 88.11 [453-20-3]			
56500	purum >98%(GC); B.P. 180-182°; d ₄ ²⁰ 1.104; n _D ²⁰ 1.450	1 lt ≈ 1.10 kg	5 ml 16.—	25 ml 67.—

			sFr.	sFr.
56510	rac-6-Hydroxy 2,5,7,8-tetramethylchromane-2-carboxylic acid purum M.P. 187-189° $C_{14}H_{18}O_4$ M_r 250.32 [53188-07-1]		5 g 20.—	25 g 85.—
56515	4-Hydroxy-2,2,6,6-tetramethylpiperidine (2,2,6,6-Tetramethyl-4-piperidinol) $(CH_3)_2\dot{C}NHC(CH_3)_2CH_2CH(OH)\dot{C}H_2$ $C_9H_{18}NO$ M_r 157.26 [2403-88-5] purum >99%(NT); M.P. 130-131°; 1 g clearly soluble in 10 ml Methanol		25 g 31.—	
	2-Hydroxy-m-toluylic acid see 61100 3-Methylsalicylic acid			
	2-Hydroxy-p-toluylic acid see 61105 4-Methylsalicylic acid			
	1-Hydroxytriacontane see 90275 1-Triacontanol			
56520	4-Hydroxy-2,5,6-triaminopyrimidine sulfate (6-2,4,5) (2,5,6-Triamino-4-pyrimidinol sulfate) $N:C(NH_2)N:C(NH_2)C(NH_2):\dot{C}OH.H_2SO_4.H_2O$ $C_4H_7N_5O.H_2SO_4.H_2O$ M_r 257.22 [1603-02-7] pract. >97%(T); M.P. >300°		25 g 22.—	100 g 80.—
56556	Hydroxytriphenylsilane purum M.P. 151-153° (Triphenylsilanol) $(C_6H_5)_3SiOH$ $C_{18}H_{16}OSi$ M_r 276.41 [791-31-1]		25 g 46.—	100 g 160.—
	5-Hydroxytryptamine hydrogenmaleate see 85040 Serotonin hydrogenmaleate			
	5-Hydroxytryptamine hydrogenoxalate see 85050 Serotonin hydrogenoxalate			
	5-Hydroxytryptamine salts see Serotonine salts			
56570	5-Hydroxy-L-tryptophan $HO\dot{C}_6H_3NHCH:\dot{C}CH_2CH(NH_2)COOH$ $C_{11}H_{12}N_2O_3$ M_r 220.23 [4350-09-8] puriss. ~99%(NT); M.P. ~275° dec.; $[\alpha]_{546}^{20} - 38 \pm 1^\circ$; $[\alpha]_D^{20} - 33 \pm 1^\circ$ (c = 1 in water); Ash <0.05%		1 g 18.—	5 g 75.—
56590	5-Hydroxy-DL-tryptophan $HO\dot{C}_6H_3NHCH:\dot{C}CH_2CH(NH_2)COOH$ $C_{11}H_{12}N_2O_3$ M_r 220.23 [114-03-4] puriss. CHR ~99%(NT); M.P. ~295° dec.; Ash <0.05%; store in refrigerator		1 g 40.—	5 g 170.—
56610	3-Hydroxytyramine hydrochloride [2-(3,4-Dihydroxyphenyl)ethylamine hydrochloride; Dopamine hydrochloride] $(HO)_2C_6H_3CH_2CH_2NH_2.HCl$ $C_8H_{11}NO_2.HCl$ M_r 189.64 [62-31-7] puriss. >99%(Cl); M.P. ~245° dec.; Ash <0.05%	5 g 9.—	25 g 35.—	100 g 130.—
55291	Hydroxyurea purum >98%(N); M.P. 138-142° dec.; Ash <0.05% 6.1/81d $NH_2CONHOH$ $CH_4N_2O_2$ M_r 76.06 [127-07-1]		1 g 9.—	5 g 34.—
56640	2-Hydroxy-n-valeric acid purum; store in refrigerator $CH_3CH_2CH_2CH(OH)COOH$ $C_5H_{10}O_3$ M_r 118.13 [617-31-2]		1 g 18.—	5 g 75.—
	Hydroxyxylene see Dimethylphenol			
56678	Hyflo Super Cel pract.; purified and calcinated; 2-25 microns		1 kg 8.—	5 kg 26.—
56680	α-Hyodeoxycholic acid (3 α ,6 α -Dihydroxy-5 β -cholanic acid) $C_{24}H_{40}O_4$ M_r 392.58 [83-49-8] purum >98%(T); M.P. 194-197°; $[\alpha]_{546}^{20} + 8.5 \pm 0.3^\circ$; $[\alpha]_D^{20} + 7.2 \pm 0.3^\circ$ (c = 2 in Ethanol)		1 g 12.—	5 g 55.—
	Hyoscine see 84780 Scopolamine			
	(±)-Hyoscyamine see 11320 Atropine			
	Hypophosphorous acid see 94210 Phosphinic acid			
56700	Hypoxanthine (6-Hydroxy-purine) $C_5H_4N_4O$ M_r 136.11 [68-94-0] puriss. CHR >99%(HPLC); M.P. >300°; store in refrigerator		5 g 12.—	25 g 50.—
	Hypoxanthine-β-D-ribofuranoside see 57470 Inosine			
	IAA see 57330 3-Indoleacetic acid			
	I-Acid see 08800 6-Amino-1-naphthol-3-sulfonic acid (2-5-7)			
56710	Janus Green B [C.I. Nr. 11050] Standard Fluka for Microscopy $C_{30}H_{31}ClN_6$ M_r 511.07 [2869-83-2]		5 g 20.—	25 g 85.—

			sFr.	sFr.
	IBA see 57310 4-(3-Indole) butyric acid			
	5'-IDP-Na₂ see 57480 Inosine 5'-diphosphate Disodium salt			
	IDU see 57830 5-Iodo-2'-deoxyuridine			
	IIDQ see 58625 2-Isobutoxy-1-isobutoxycarbonyl-1,2-dihydroquinoline			
	Imidazole (Glyoxaline) NHCH:NCH:CH C ₃ H ₄ N ₂ M _r 68.08 [288-32-4]			
56750	puriss. p.a. >99%(GC); M.P. 87-89°; Ash <0.05%; Z. anal. Chem. 261, 38 (1972); for titration of Aspartic acid and Glutamic acid		100 g 11. —	500 g 46. —
	2-Imidazolidinethione see 03940 N,N'-Ethylenethiourea			
	2-Imidazolidone (N,N'-Ethyleneurea) 6.1/81d NHCH ₂ CH ₂ NHCO C ₃ H ₆ N ₂ O M _r 86.09 [120-93-4]			
03850	pract. ~95%; M.P. (dried material) ~125°; loss on drying 8-10%		250 g 9. —	1 kg 28. —
	2-(4-Imidazolyl)ethylamine see 53290 Histamine Base			
	3,3'-Iminobispropylamine see 14520 Bis(3-aminopropyl)amine			
	3-Iminobutyronitrile see 07600 3-Aminocrotononitrile			
56781	Iminodiacetic acid purum >99%(T); M.P. ~240° dec. HN(CH ₂ COOH) ₂ C ₄ H ₇ NO ₄ M _r 133.11 [142-73-4]	50 g 8. —	250 g 14. —	1 kg 50. —
	Iminodiacetic acid dinitrile see 56780 Iminodiacetonitrile			
	Iminodiacetic acid Disodium salt HN(CH ₂ COONa) ₂ .aq C ₄ H ₅ NNa ₂ O ₄ .aq M _r 177.07 + aq [17593-73-6]			
56790	purum p.a. ~90%(T); H ₂ O ~10%		50 g 15. —	250 g 63. —
56800	pract. 20% in water	1 lt ≈ 1.14 kg	250 ml 9. —	1 lt 30. —
	Iminodiacetonitrile [Bis-(cyanomethyl)amine; Iminodiacetic acid dinitrile] 6.1/21 HN(CH ₂ CN) ₂ C ₄ H ₅ N ₃ M _r 95.10 [628-87-5]			
56780	pract. >98%(T); M.P. 78-80°		250 g 33. —	1 kg 120. —
56785	Iminodibenzyl pract. >97%(UV); M.P. 104-106° (10,11-Dihydro-5H-dibenz[b,f]azepine) C ₁₄ H ₁₃ N M _r 195.27 [494-19-9]		50 g 26. —	250 g 110. —
	Iminodiethanol see 31590 Diethanolamine			
	2-Imino-N-methylhydantoin see 27910 Creatinine			
	Iminostilbene (5H-Dibenz[b,f]azepine) 6.1/21 C ₁₄ H ₁₁ N M _r 193.25 [256-96-2]			
56802	purum >97%(NT); M.P. 196-199°; 1 g clearly soluble in 20 ml Dioxane		25 g 24. —	100 g 90. —
56822	Immersion oil for Microscopy; d ₄ ²⁰ 1.024; n _D ²⁰ 1.516	1 lt ≈ 1.02 kg	250 ml 23. —	1 lt 85. —
	5'-IMP-Na₂ see 57510 Inosine 5'-monophosphate Disodium salt			
	Indalone see 37285 3,4-Dihydro-2,2-dimethyl-4-oxo-2H-pyran-6-carboxylic acid butyl ester			
	Indan (Hydridene) 3/3; 54° C ₉ H ₈ CH ₂ CH ₂ CH ₂ C ₉ H ₁₀ M _r 118.18 [496-11-7]			
56850	pract. >95%(GC); B.P. 177-179°; d ₄ ²⁰ 0.959; n _D ²⁰ 1.537	1 lt ≈ 0.96 kg	25 ml 10. —	100 ml 35. —
	5-Indanamine see 08237 5-Aminoindan			
56860	1,3-Indandione purum >97%(UV); M.P. 130-132° (1,3-Dioxindan) C ₉ H ₆ COCH ₂ CO C ₉ H ₆ O ₂ M _r 146.15 [606-23-5]		10 g 20. —	50 g 85. —
56867	2-Indanol purum >99%(HPLC); M.P. 69-71° (2-Hydroxyindan) C ₉ H ₈ CH ₂ CH(OH)CH ₂ C ₉ H ₁₀ O M _r 134.18 [4254-29-9]		25 g 17. —	100 g 60. —
56870	5-Indanol pract. >99%(HPLC); M.P. 50-52° (5-Hydroxyindan) HOCC ₈ H ₇ CH ₂ CH ₂ CH ₂ C ₉ H ₁₀ O M _r 134.18 [1470-94-6]		25 g 16. —	100 g 55. —
56880	1-Indanone purum >98%(GC); M.P. 40-42° (1-Oxoindan) C ₉ H ₈ COCH ₂ CH ₂ C ₉ H ₈ O M _r 132.16 [83-33-0]		10 g 16. —	50 g 67. —
56881	2-Indanone purum M.P. 54-56°; 1 g clearly soluble in 10 ml Methanol (2-Oxoindan) C ₉ H ₈ CH ₂ COCH ₂ C ₉ H ₈ O M _r 132.16 [615-13-4]		10 g 30. —	
	1,2,3-Indentrione Monohydrate see 72490 Ninhydrin			

			sFr.	sFr.
56910	Indazole	purum >97%(UV); M.P. 145-148° (1,2-Benzodiazole; 1,2-Benzopyrazole) $C_6H_4NHN:CH$ $C_7H_6N_2$ M_r 118.14 [271-44-3]	1 g 12. —	5 g 50. —

	Indene			
	3/4; 58°	$C_6H_4CH_2CH:CH$ C_9H_8 M_r 116.16 [95-13-6]		
56930		pract. ~90%(GC); M.P. -4--1°; B.P. ₁₀ 60-62°; d_4^{20} 0.994; n_D^{20} 1.573; may contain 1-2% Benzonitrile; store in refrigerator	1 lt ≈ 0.99 kg	100 ml 8. — 500 ml 29. —

Indicators see "Dyes, Indicators, Reagents, Stains in solution" green section

Indicator Papers see also Reagent Papers FLUKA

pH-Indicator Papers FLUKA

Roll with 5 m ribbon in a tight, transparent plastic box with a reference colour scale. Refill packages containing 3 rolls of 5 m, each roll sealed in a plastic bag.

	Universal-Indicator paper Fluka	Range pH 1.0-11.0; graduation 1 pH		
57010	Box with 1 roll		1 piece	5. —
57015	Refill package		1 piece	6. —

	Special-Indicator paper Fluka	Range pH 0.5-5.5, graduation 0.5 pH		
57020	Box with 1 roll		1 piece	4. —
57025	Refill package		1 piece	6. —

	Special-Indicator paper Fluka	Range pH 3.8-5.8, graduation 0.2/0.3 pH		
57030	Box with 1 roll		1 piece	4. —
57035	Refill package		1 piece	6. —

	Special-Indicator paper Fluka	Range pH 5.4-7.0, graduation 0.2/0.3 pH		
57040	Box with 1 roll		1 piece	4. —
57045	Refill package		1 piece	6. —

	Special-Indicator paper Fluka	Range pH 6.4-8.0, graduation 0.2/0.3 pH		
57050	Box with 1 roll		1 piece	4. —
57055	Refill package		1 piece	6. —

	Special-Indicator paper Fluka	Range pH 7.2-9.7, graduation 0.2/0.3 pH		
57060	Box with 1 roll		1 piece	4. —
57065	Refill package		1 piece	6. —

	Special-Indicator paper Fluka	Range pH 9.0-13.0, graduation 0.5 pH		
57070	Box with 1 roll		1 piece	4. —
57075	Refill package		1 piece	6. —

pH-Indicator Strips

Packages of 200 measures strips, each strip has an identification scale and printed pH scale. The strips can be utilized in coloured solutions and suspensions with very high precision

		pH-range	Graduation		
56992	Indicator-Fine measure strips	1-12	1.0	1 package	11. —
56993	Indicator-Fine measure strips	0.0-1.8	0.2/0.3	1 package	9. —
57001	Indicator-Fine measure strips	1.0-2.8		1 package	9. —
57002	Indicator-Fine measure strips	1.8-3.8		1 package	9. —
57003	Indicator-Fine measure strips	2.8-4.6		1 package	9. —
57004	Indicator-Fine measure strips	3.8-5.5		1 package	9. —
57005	Indicator-Fine measure strips	5.2-6.8		1 package	9. —
57006	Indicator-Fine measure strips	6.3-8.1		1 package	9. —
57007	Indicator-Fine measure strips	7.2-8.8		1 package	9. —
57008	Indicator-Fine measure strips	8.0-9.7		1 package	9. —
57009	Indicator-Fine measure strips	9.5-12.0	0.5	1 package	9. —
57011	Indicator-Fine measure strips	12.0-14.0	0.5	1 package	9. —

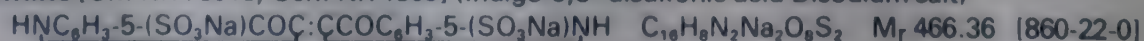
Indigo [C.I. Nr. 73000; Sch. Nr. 1301] (Indigo Blue; Indigotin)



56980	synth. Standard Fluka 85%(UV); Ash ~2%	25 g 9. —	100 g 30. —	500 g 125. —
-------	--	-----------	-------------	--------------

Indigo Blue see 56980 Indigo

Indigocarmine [C.I. Nr. 73015; Sch. Nr. 1309] (Indigo-5,5'-disulfonic acid Disodium salt)



57000	Standard Fluka Indicator pH 11.6-14.0; for Microscopy (Bact., Hist.); Loss on drying <5%	25 g 8. —	100 g 25. —	500 g 105. —
-------	--	-----------	-------------	--------------

sFr.

sFr.

Indigo-5,5'-disulfonic acid Disodium salt see 57000 Indigocarmine**Indigotin** see 56980 Indigo**Indium**In A_r 114.82 [7440-74-6]

57076	puriss. 99.999%; in Bars; for electronic use	10 g 40.—	50 g 170.—
57077	puriss. 99.999%; in Rods	10 g 40.—	50 g 170.—
57079	puriss. 99.999%; Wire	10 g 40.—	50 g 170.—
57080	puriss. >99.95%; in Bars	10 g 30.—	50 g 125.—

Indium (Coating quality BALZERS)

57082	99.9995%; Sticks, Diameter 8 mm	10 g 45.—	100 g 380.—
-------	---------------------------------	-----------	-------------

57090	Indium(III) bromide purum >99%(Br) InBr ₃ Br ₃ In M_r 354.55 [13465-09-3]	10 g 20.—	50 g 85.—
-------	---	-----------	-----------

57100	Indium(III) chloride anhydrous purum ~97%(Cl); water ~2%; hygroscopic InCl ₃ Cl ₃ In M_r 221.18 [10025-82-8]	10 g 32.—	50 g 135.—
-------	--	-----------	------------

57110	Indium(III) chloride Tetrahydrate purum >97%(Cl); hygroscopic InCl ₃ ·4H ₂ O Cl ₃ In·4H ₂ O M_r 293.24 [22519-64-8]	10 g 25.—	50 g 105.—
-------	---	-----------	------------

57120	Indium(III) hydroxide purum In(OH) ₃ H ₃ InO ₃ M_r 165.84 [20661-21-6]	10 g 32.—	50 g 135.—
-------	---	-----------	------------

57135	Indium(III) nitrate pract. 5.1/7 In(NO ₃) ₃ ·aq InN ₃ O ₉ ·aq M_r 300.83 + aq [13770-61-1]	10 g 25.—	50 g 105.—
-------	---	-----------	------------

57140	Indium(III) oxide purum In ₂ O ₃ M_r 277.64 [1312-43-2]	10 g 38.—	50 g 160.—
-------	---	-----------	------------

57151	Indium(III) sulfate anhydrous purum >98%(T) In ₂ (SO ₄) ₃ In ₂ O ₁₂ S ₃ M_r 517.83 [13464-82-9]	10 g 20.—	50 g 85.—
-------	--	-----------	-----------

57161	Indium(III) sulfate Pentahydrate purum cryst. >98%(T); 1 g clearly soluble in 20 ml water In ₂ (SO ₄) ₂ ·5H ₂ O In ₂ O ₁₂ S ₃ ·5H ₂ O M_r 607.90 [13464-82-9]	10 g 20.—	50 g 85.—
-------	--	-----------	-----------

57170	Indium(III) sulfide red purum In ₂ S ₃ M_r 325.83 [12030-24-9]	5 g 26.—	25 g 110.—
-------	--	----------	------------

Indole (1H-Benzo[b]pyrrole)C₆H₄NHCH:CH C₈H₇N M_r 117.15 [120-72-9]

57190	puriss. >99%(GC); M.P. 51-53°; 1 g clearly soluble in 10 ml Methanol	25 g 12.—	100 g 40.—
-------	--	-----------	------------

57260	3-Indoleacetamide puriss. M.P. 152-153° (3-Indolylacetamide) <u>C₆H₄NHCH:CH</u> CH ₂ CONH ₂ C ₁₀ H ₁₀ N ₂ O M_r 174.20 [879-37-8]	1 g 25.—	5 g 105.—
-------	--	----------	-----------

3-Indoleacetic acid (Heteroauxin; IAA; 3-Indolylacetic acid)C₆H₄NHCH:CHCH₂COOH C₁₀H₉NO₂ M_r 175.19 [87-51-4]

57330	purum >98%(T); M.P. ~165° dec.; Ash <0.3%	5 g 7.—	25 g 24.—	100 g 90.—
-------	---	---------	-----------	------------

3-Indoleacetonitrile (3-Indolylacetonitrile)6.1/21 C₆H₄NHCH:CHCH₂CN C₁₀H₈N₂ M_r 156.19 [771-51-7]

57280	purum >99%(GC); M.P. 33-36°; B.P. _{0.1} 158-160°; store in refrigerator	5 g 10.—	25 g 40.—
-------	--	----------	-----------

57290	3-Indoleacrylic acid purum >97%(T); M.P. ~195° dec. [3-(3-Indolyl)-acrylic acid] <u>C₆H₄NHCH:CH</u> CH:CHCOOH C ₁₁ H ₉ NO ₂ M_r 187.20 [1204-06-4]	1 g 25.—	5 g 105.—
-------	---	----------	-----------

57310	3-Indolebutyric acid purum >98%(T); M.P. 123-125° [IBA; 4-(3-Indolyl)-butyric acid] <u>C₆H₄NHCH:CH</u> (CH ₂) ₃ COOH C ₁₂ H ₁₃ NO ₂ M_r 203.24 [133-32-4]	5 g 10.—	25 g 40.—
-------	---	----------	-----------

57210	Indole-3-carboxaldehyde purum >99%(T); M.P. 193-196° <u>C₆H₄NHCH:CH</u> CHO C ₉ H ₇ NO M_r 145.16 [487-89-8]	10 g 9.—	50 g 34.—
-------	--	----------	-----------

Indole-2-carboxylic acid (2-Carboxyindole)C₆H₄NHC(COOH):CH C₉H₇NO₂ M_r 161.16 [1477-50-5]

57220	purum >98%(T); M.P. 202-206°; Ash <0.05%	5 g 20.—	25 g 85.—
-------	--	----------	-----------

3-Indoleethanol see 54350 3-(2-Hydroxyethyl)indole**3-Indolepropionic acid** [3-(3-Indolyl)propionic acid]C₆H₄NHCH:CHCH₂CH₂COOH C₁₁H₁₁NO₂ M_r 189.22 [830-96-6]

57400	puriss. >99%(T); M.P. 130-132°	5 g 26.—	25 g 110.—
57410	pract. 95-97%(T); M.P. 124-128°	25 g 40.—	100 g 145.—

		sFr.	sFr.
3-Indolepyruvic acid (3-Indolylpyruvic acid)			
	$\text{C}_6\text{H}_4\text{NHCH}:\text{CCH}_2\text{COCOCH}_3$ $\text{C}_{11}\text{H}_9\text{NO}_3$ M_r 203.20 [392-12-1]		
57300	purum >98%(T); M.P. $\sim 210^\circ$ dec.; Ash <0.1%	1 g	40. —
Indoline (2,3-Dihydroindole)			
	$\text{C}_6\text{H}_4\text{NHCH}_2\text{CH}_2$ $\text{C}_8\text{H}_9\text{N}$ M_r 119.17 [496-15-1]		
57240	purum >98%(GC); B.P. 225-227°; d_4^{20} 1.062; n_D^{20} 1.591	1 lt $\approx$ 1.06 kg	25 ml 18. — 100 ml 65. —
5-Indolol see 55340 5-Hydroxyindole			
Indolyl... see Indole...			
3-Indolylacetamide see 57260 3-Indoleacetamide			
3-Indolylacetic acid see 57330 3-Indoleacetic acid			
3-Indolylacetonitrile see 57280 3-Indoleacetonitrile			
3-(3-Indolyl)acrylic acid see 57290 3-Indoleacrylic acid			
4-(3-Indolyl)butyric acid see 57310 3-Indolebutyric acid			
2-(3-Indolyl)ethylamine see 93640 Tryptamine			
3-Indolyl methyl ketone see 01220 3-Acetylindole			
3-(3-Indolyl)propionic acid see 57400 3-Indolepropionic acid			
3-Indolylpyruvic acid see 57300 3-Indolepyruvic acid			
57415	Indophenol Blue [C.I. Nr. 49700] Standard Fluka $(\text{CH}_3)_2\text{N}:\text{C}_6\text{H}_4:\text{NC}_{10}\text{H}_6\text{O}$ $\text{C}_{18}\text{H}_{16}\text{N}_2\text{O}$ M_r 276.34 [132-31-0]	5 g	17. — 25 g 70. —
Indoxyl acetate (3-Acetoxyindole)			
	$\text{C}_6\text{H}_4\text{NHCH}:\text{COCOCH}_3$ $\text{C}_{10}\text{H}_9\text{NO}_2$ M_r 175.19 [608-08-2]		
57420	purum $\sim 98\%$ (UV); M.P. 128-130°; λ_{max} 280 nm, log ϵ 3.79	1 g	16. — 5 g 67. —
57430	Indoxyl butyrate purum M.P. 89-92° (3-Butyryloxyindole) $\text{C}_6\text{H}_4\text{NHCH}:\text{COCOCH}_2\text{CH}_2\text{CH}_3$ $\text{C}_{12}\text{H}_{13}\text{NO}_2$ M_r 203.24 [4346-15-0]	250 mg	20. — 1 g 70. —
Indoxyl sulfate Potassium salt			
	$\text{C}_6\text{H}_4\text{NHCH}:\text{COSO}_3\text{K}$ $\text{C}_8\text{H}_6\text{KNO}_4\text{S}$ M_r 251.31 [2642-37-7]		
57450	purum >98%(NT); M.P. >300°; 1 g clearly soluble in 10 ml water	250 mg	18. — 1 g 65. —
Indulin water soluble [C.I. Nr. 50405; Sch. Nr. 984] [8004-98-6]			
57460	Standard Fluka for Microscopy (Bact., Hist.)	100 g	12. — 500 g 40. —
Inhibitors see "Enzyme Inhibitors" green section			
Inosine (Hypoxanthine-9- β -D-ribofuranoside)			
	$\text{C}_{10}\text{H}_{12}\text{N}_4\text{O}_6$ M_r 268.23 [58-63-9]		
57470	puriss. cryst. $\sim 99\%$ (NT); M.P. ~ 215 - 220° dec.; $[\alpha]_{546}^{20} -91 \pm 2^\circ$; $[\alpha]_D^{20} -76 \pm 2^\circ$ (c = 1 in 0.1n Sodium hydroxide); Ash <0.05%	10 g	12. — 50 g 50. —
Inosine 5'-diphosphate Disodium salt, 5'-IDP-Na_2			
	$\text{C}_{10}\text{H}_{12}\text{N}_4\text{Na}_2\text{O}_{11}\text{P}_2\cdot\text{H}_2\text{O}$ M_r 490.17 [54735-61-4]		
57480	purum >98%(NT); $[\alpha]_{546}^{20} -35 \pm 3^\circ$; $[\alpha]_D^{20} -31 \pm 3^\circ$ (c = 1 in water); store in refrigerator	25 mg	14. — 100 mg 50. —
Inosine 5'-monophosphate Disodium salt, 5'-IMP-Na_2			
	$\text{C}_{10}\text{H}_{11}\text{N}_4\text{Na}_2\text{O}_9\text{P}\cdot 8\text{H}_2\text{O}$ M_r 536.30 [4691-65-0]		
57510	purum >98%(NT); $[\alpha]_{546}^{20} -37 \pm 2^\circ$; $[\alpha]_D^{20} -32 \pm 2^\circ$ (c = 1 in water); store in refrigerator	5 g	8. — 25 g 26. — 100 g 95. —
57570	meso-Inositol puriss. M.P. 223-225°; for Bacteriology; 1 g clearly soluble in 10 ml water $\text{HOCH}(\text{CHOH})_4\text{CHOH}$ $\text{C}_6\text{H}_{12}\text{O}_6$ M_r 180.16 [87-89-8]	25 g	8. — 100 g 25. —
Inositol-hexaphosphoric acid see 80180 Phytic acid			
57590	Insulin purum cryst. 23-25 I.U./mg; Loss on drying 5-10% $M_r \sim 6000$ [9004-10-8]	100 mg	30. — 1 g 240. —
INT see 58030 Iodonitrotetrazolium chloride			
INT-Formazane see 57950 Iodonitrotetrazoliumviolet-formazane			

sFr.

sFr.

Inulin $(C_6H_{10}O_5)_n$ $M_r (162.14)_n$ [9005-80-5]

57610

purum $[\alpha]_{D}^{20} -41.0 \pm 2^\circ$; $[\alpha]_{D}^{20} -35.0 \pm 1^\circ$ ($c = 6.5$ in water); Loss on Drying 5-7%;
hygroscopic; Ash <0.05%

25 g 23. —

100 g 85. —

Inulin Solution 10%

57619

puriss. pyrogenfree; for Injection in kidney function examinations; store in refrigerator

50 ml 25. —

Invertase (3.2.1.26) (Convertit; β -D-Fructofuranosidase) [9001-57-4]

57629

puriss. powder; activity: 260 000 Sumner U/g; optimum pH 4.5; active
between 2.5-5.5; store in refrigerator

5 g 24. —

25 g 100. —

57630

purum conc.; activity: 250 000 Sumner U/g
(1 Sumner U = That amount of invertase which produces in 5 minuts 1 mg
Invertsugar from 6 ml 5.4% Sucrose solution at 20° and pH 4.7)

100 g 18. —

500 g 75. —

58060

Iodic acid puriss. p.a.8/41 HIO_3 $M_r 175.91$ [7782-68-5]

Fluka-Guarantee:

Assay	>99.5 %	Iron (Fe)	<0.0005%
Chloride (Cl)	<0.01 %	Zinc (Zn)	<0.0005%
Sulfate (SO_4)	<0.01 %	Calcium (Ca)	<0.0005%
Copper (Cu)	<0.0005%	Potassium (K)	<0.0005%
Lead (Pb)	<0.0005%	Sodium (Na)	<0.0005%

25 g 7. —

100 g 20. —

**Iodine**

8/12

 I $A_r 126.90$ [7553-56-2]

57650

puriss. p.a. resubl. Ph. Eur.

Fluka-Guarantee:

Assay	>99.5 %	Zinc (Zn)	<0.001%
Non-volatile parts	<0.05 %	Cadmium (Cd)	<0.001%
Chloride (Cl)	<0.005%	Iron (Fe)	<0.001%
Sulfate (SO_4)	<0.005%	Cobalt (Co)	<0.001%
Copper (Cu)	<0.001%	Nickel (Ni)	<0.001%
Lead (Pb)	<0.001%		

250 g 22. —

1 kg 80. —



57660

purum p.a.

Fluka-Guarantee:

Assay	>99.0 %	Lead (Pb)	<0.005%
Non-volatile parts	<0.05 %	Iron (Fe)	<0.005%
Chloride (Cl)	<0.005%	Zinc (Zn)	<0.005%
Sulfate (SO_4)	<0.005%	Calcium (Ca)	<0.005%
Copper (Cu)	<0.005%		

250 g 16. —

1 kg 55. —

57665 **0.1 N Iodine Normal solution** Factor $1.000 \pm 0.2\%$ 1 lt $\approx$ 1.00 kg

1 lt 16. —

57905 **Iodine monobromide** pract. $\sim 98\%$ (RT)
8/12 IBr BrI $M_r 206.81$ [7789-33-5]

100 g 22. —

500 g 90. —

Iodine monochloride see 24906 Chloro iodide**Iodine potassium iodide solution** see 62650 Lugol solution58112 **Iodine tribromide** purum >99% (RT); $d_4^{20} 3.41$; store in refrigerator
8/11a IBr_3 Br_3I $M_r 366.67$ [7789-58-4]1 lt $\approx$ 3.41 kg

10 ml 28. —

50 ml 120. —

58115 **Iodine trichloride** purum >99% (RT); M.P. 75-77° dec.; store in refrigerator
8/12 ICl_3 Cl_3I $M_r 233.26$ [865-44-1]

50 g 13. —

Iodoacetamide ICH_2CONH_2 C_2H_4INO $M_r 184.96$ [144-48-9]

57670

puriss. biochim. >99% (I); M.P. 92-95° (dried material); Loss on drying <2%;
1 g clearly and colourless soluble in 10 ml water; may also contain some
Chloroacetamide; store in refrigerator; for the chemical modification of thiol groups
in proteins (e.g. cysteine) and methionine; retention of activity: W. Liu, H. Trzeciak,
H. Schüssler and J. Meienhofer, *Biochemistry* 10, 2849 (1971); M. D. Prager,
J. Derr, A. Swann and J. Cotropia, *Cancer Res.* 31, 1488 (1971)

25 g 11. —

100 g 38. —

N-(Iodoacetamidoethyl)-1-naphthylamine-5'-sulfonic acid (Hudson-Weber-Reagent;
5-[2-(Iodoacetamido)ethylamino]naphthalene-1-sulfonic acid;**N-Iodoacetyl-N'-(5-sulfo-1-naphthyl)ethylenediamine**
 $ICH_2CONHCH_2CH_2NHC_{10}H_6SO_3H$ $C_{14}H_{15}IN_2O_4S$ $M_r 434.25$ [36930-63-9]

57672

puriss. >99% (I); fluorescent sulfhydryl reagent yielding photostable covalent
derivatives: E. N. Hudson and G. Weber, *Biochemistry* 12, 454 (1973)

1 g 30. —

5 g 125. —

						sFr.		sFr.	
Iodoacetic acid									
57840	8/21	ICH ₂ COOH	C ₂ H ₃ IO ₂	M _r 185.95	[64-69-7]				
puriss. >99%(I); M.P. 80-82°; avoid skin contact; store in refrigerator; for the chemical modification of thiol groups in proteins (specific for cysteine at pH 8.5): W. Liu, H. Trzeciak, H. Schüssler and J. Meienhofer, <i>Biochemistry</i> 10, 2849 (1971); M. D. Prager, J. Derr, A. Swann and J. Cotropia, <i>Cancer Res.</i> 31, 1488 (1971); F. R. Guid, <i>Methods in Enzymology</i> , Vol. XI, 532-541 (1967)						25 g	12. —	100 g	40. —
Iodoacetic acid benzylester see 57855 Benzyl iodoacetate									
57857		Iodoacetic acid Lithium salt	purum ~97%(NT); M.P. ~245° dec.; H ₂ O <3%				10 g	22. —	50 g 90. —
		CH ₂ ICOOLi	C ₂ H ₂ ILiO ₂	M _r 191.88					
Iodoacetic acid Sodium salt (Sodium iodoacetate)									
		ICH ₂ COONa	C ₂ H ₂ INaO ₂	M _r 207.93	[305-53-3]				
57859		puriss. biochim. >99.5%(NT)					10 g	25. —	50 g 105. —
57860		purum >98%(NT)					25 g	12. —	100 g 40. —
57673		Iodoacetoneitrile	purum >98%(GC); B.P. ₉ 70°; d ₄ ²⁰ 2.305; n _D ²⁰ 1.576			1 lt ≈ 2.30 kg	5 ml	29. —	25 ml 120. —
	6.1/11	ICH ₂ CN	C ₂ H ₂ IN	M _r 166.95	[624-75-9]				
57680		2-Iodoaniline	purum >98%(GC); M.P. 55-57°				10 g	22. —	50 g 90. —
	6.1/21	IC ₆ H ₄ NH ₂	C ₆ H ₆ IN	M _r 219.03	[615-43-0]				
57690		3-Iodoaniline	purum >97%(NT); M.P. 21-24°; store in refrigerator				10 g	22. —	50 g 90. —
	6.1/21	IC ₆ H ₄ NH ₂	C ₆ H ₆ IN	M _r 219.03	[626-01-7]				
57700		4-Iodoaniline	purum >98%(NT); M.P. 61-63°				25 g	11. —	100 g 38. —
	6.1/21	IC ₆ H ₄ NH ₂	C ₆ H ₆ IN	M _r 219.03	[540-37-4]				
2-Iodoanisole (2-Iodophenyl methyl ether; 2-Methoxyiodobenzene)									
		IC ₆ H ₄ OCH ₃	C ₇ H ₇ IO	M _r 234.04	[529-28-2]				
57710		purum >99%(GC); B.P. 240-242°; d ₄ ²⁰ 1.795; n _D ²⁰ 1.622				1 lt ≈ 1.80 kg	10 ml	12. —	50 ml 50. —
4-Iodoanisole (4-Iodophenyl methyl ether; 4-Methoxyiodobenzene)									
		IC ₆ H ₄ OCH ₃	C ₇ H ₇ IO	M _r 234.04	[696-62-8]				
57720		purum ~98%(GC); M.P. 50-52°					25 g	14. —	100 g 50. —
5-Iodoanthranilic acid see 08260 2-Amino-5-iodobenzoic acid									
Iodobenzene									
57740	3/4; 77°	C ₆ H ₅ I	M _r 204.01	[591-50-4]					
puriss. stab. with Silver wool; >99%(GC); B.P. ₁₀ 63-65°; d ₄ ²⁰ 1.829; n _D ²⁰ 1.618						1 lt ≈ 1.83 kg	25 ml	11. —	100 ml 38. — 500 ml 170. —
4-Iodobenzensulfonyl chloride									
57750	8/12	IC ₆ H ₄ SO ₂ Cl	C ₆ H ₄ ClIO ₂ S	M _r 302.52	[98-61-3]				
purum M.P. 80-83°; For the determination of free side chain amino groups in proteins: M. Oratz, A. L. Burks and M. A. Rothschild, <i>Arch. Biochem. Biophys.</i> 115, 88 (1966)							5 g	26. —	25 g 110. —
57730		2-Iodobenzoic acid	purum >99%(T); M.P. 161-162°; Ash <0.5%				25 g	10. —	100 g 32. —
		IC ₆ H ₄ COOH	C ₇ H ₅ IO ₂	M _r 248.02	[88-67-5]				
57731		3-Iodobenzoic acid	purum >99%(T); M.P. 186-188°; Ash <0.05%				10 g	25. —	50 g 105. —
		IC ₆ H ₄ COOH	C ₇ H ₅ IO ₂	M _r 248.02	[618-51-9]				
1-Iodobutane (Butyl iodide)									
20030	3/1a; -10°	CH ₃ (CH ₂) ₃ I	C ₄ H ₉ I	M _r 184.02	[542-69-8]				
purum stab. with Silver wool >99%(GC); B.P. 129-131°; d ₄ ²⁰ 1.614; n _D ²⁰ 1.499						1 lt ≈ 1.61 kg	100 ml	20. —	500 ml 85. —
2-Iodobutane (sec-Butyl iodide)									
20040	3/3; 24°	CH ₃ CH ₂ CHICH ₃	C ₄ H ₉ I	M _r 184.02	[513-48-4]				
purum >99%(GC); B.P. ₄₅ 33° (Lit.); d ₄ ²⁰ 1.595; n _D ²⁰ 1.499						1 lt ≈ 1.60 kg	100 ml	28. —	500 ml 120. —
Iodocyanide see 57790 Cyanogen iodide									
Iodocyclohexane (Cyclohexyl iodide)									
57800	3/4; 70°	CH ₂ (CH ₂) ₄ CHI	C ₆ H ₁₁ I	M _r 210.06	[626-62-0]				
purum >99%(GC); B.P. ₁₀ 68-70°; d ₄ ²⁰ 1.625; n _D ²⁰ 1.548; store in refrigerator						1 lt ≈ 1.63 kg	25 ml	13. —	100 ml 45. —

			sFr.	sFr.
	5-Iodo-2'-deoxyuridine (IDU) $C_9H_{11}IN_2O_5$ M_r 354.10 [54-42-2]			
57830	puriss. CHR >99%(I); $[\alpha]_D^{20} + 35 \pm 2^\circ$; $[\alpha]_D^{20} + 29 \pm 2^\circ$ (c = 1 in 1n NaOH)		250 mg 16.—	1 g 55.—
	Iodoeosin see 45690 Erythrosine extra bluish			
	Iodoethane (Ethyl iodide) 6.1/12; 32° C_2H_5I M_r 155.97 [75-03-6]			
04150	puriss. p.a. redest. stab. with Silver wool >99.5%(GC); B.P. 71-72°; d_4^{20} 1.932; n_D^{20} 1.513	1 lt $\approx$ 1.93 kg	50 ml 16.—	250 ml 67.—
04160	purum dest. stab. with Silver wool $\sim$ 99%(GC); B.P. 70-72°; d_4^{20} 1.93; n_D^{20} 1.513	1 lt $\approx$ 1.93 kg	100 ml 17.—	500 ml 60.—
57675	2-Iodoethanol pract. >98%(GC); B.P. 170-175° (Lit.); d_4^{20} 2.20; n_D^{20} 1.569 ICH_2CH_2OH C_2H_5IO M_r 171.96 [624-76-0]	1 lt $\approx$ 2.20 kg	5 ml 12.—	25 ml 50.—
57980	Iodoform purum >99%(I); M.P. 118-121° (Triiodomethane) 6.1/81g CHI_3 M_r 393.73 [75-47-8]		100 g 12.—	500 g 50.—
	Iodogorgoic acid see 38130 3,5-Diiodo-L-tyrosine			
	1-Iodoheptane (Heptyl iodide) 3/4; 76° $CH_3(CH_2)_6I$ $C_7H_{15}I$ M_r 226.10 [4282-40-0]			
57870	purum >98%(GC); B.P. 203-205°; d_4^{20} 1.379; n_D^{20} 1.490	1 lt $\approx$ 1.38 kg	50 ml 13.—	250 ml 55.—
	1-Iodohexane (Hexyl iodide) 3/4; 67° $CH_3(CH_2)_5I$ $C_6H_{13}I$ M_r 212.08 [638-45-9]			
57890	purum stab. with Silver wool; >98%(GC); B.P. 63-65°; d_4^{20} 1.437; n_D^{20} 1.493	1 lt $\approx$ 1.44 kg	100 ml 28.—	500 ml 120.—
	7-Iodo-8-hydroxyquinoline-5-sulfonic acid see 55370 8-Hydroxy-7-iodoquinoline-5-sulfonic acid			
	Iodomethane (Methyl iodide) 6.1/12 CH_3I M_r 141.94 [74-88-4]			
67690	puriss. p.a. redest. >99.5%(GC); B.P. 42-43°; d_4^{20} 2.280; n_D^{20} 1.530	1 lt $\approx$ 2.28 kg	25 ml 17.—	100 ml 60.—
67692	purum dest. >99%(GC); B.P. 41-43°; d_4^{20} 2.280; n_D^{20} 1.530; stab. with Silver wool; contains <0.5% CH_2I_2 ; for permethylation according to Lederer: D.W. Thomas, B.C. Das, S.D. Géra, E. Lederer, Biochem. Biophys. Res. Commun. 32, 519 (1968); D.W. Thomas, ibid. 33, 483 (1968); D.W. Thomas, FEBS Lett. 5, 53 (1969)	1 lt $\approx$ 2.28 kg	100 ml 18.—	500 ml 75.—
	Iodomethane-d₃ see 91650 Methyl iodide-d ₃			
	1-Iodo-2-, -3- and -4-methylbenzene see 58090, 58100 and 58110 2-, 3- and 4-Iodotoluene			
	1-Iodo-3-methylbutane (Isopentyl iodide) 3/3; 40° $(CH_3)_2CHCH_2CH_2I$ $C_5H_{11}I$ M_r 198.05 [541-28-6]			
57900	purum >99%(GC); B.P. 146-148°; d_4^{20} 1.505; n_D^{20} 1.495	1 lt $\approx$ 1.51 kg	100 ml 30.—	
	1-Iodo-2-methylpropane (Isobutyl iodide) 3/1a; <0° $(CH_3)_2CHCH_2I$ C_4H_9I M_r 184.02 [531-38-2]			
58560	purum >97%(GC); B.P. 118-120°; d_4^{20} 1.588; n_D^{20} 1.495; tert-Butyl iodide $\sim$ 3%	1 lt $\approx$ 1.58 kg	100 ml 32.—	500 ml 135.—
	2-Iodo-2-methylpropane (tert-Butyl iodide) 3/1a; -10° $(CH_3)_3CI$ C_4H_9I M_r 184.02 [558-17-8]			
20050	pract. >98%(I); B.P. 120-124°; d_4^{20} 1.54; n_D^{20} 1.491; store in refrigerator	1 lt $\approx$ 1.54 kg	25 ml 18.—	100 ml 65.—
	Iodomethyl trimethylsilane $JCH_2Si(CH_3)_3$ $C_4H_{11}JSi$ M_r 214.12 [4206-67-1]			
57903	purum >99%(GC); B.P. 140-142°; d_4^{20} 1.441; n_D^{20} 1.491; Starting material for the preparation of 2-(trimethylsilyl)ethyl triphenyl- phosphonium iodides, which are reagents for the synthesis of allyl silanes: D. Seyferth et al., J. Org. Chem. 42, 3104 (1977)	1 lt $\approx$ 1.44 kg	5 ml 24.—	25 ml 100.—
	1-Iodonaphthalene (1-Naphthyl iodide) $C_{10}H_7I$ M_r 254.07 [90-14-2]			
57910	purum >99%(GC); B.P. 161-162° (Lit.); d_4^{20} 1.737; n_D^{20} 1.702	1 lt $\approx$ 1.74 kg	10 ml 11.—	50 ml 46.—

					sFr.	sFr.
57930	3-Iodonitrobenzene purum >98% (HPLC); M.P. 36-38° 6.1/21i $\text{IC}_6\text{H}_4\text{NO}_2$ $\text{C}_6\text{H}_4\text{INO}_2$ M_r 249.01 [645-00-1]				10 g 11.—	50 g 46.—
57940	4-Iodonitrobenzene pract. ~97% (HPLC); M.P. 167-172° 6.1/21i $\text{IC}_6\text{H}_4\text{NO}_2$ $\text{C}_6\text{H}_4\text{INO}_2$ M_r 249.01 [636-98-6]				10 g 9.—	50 g 34.—
58030	Iodonitrotetrazolium chloride (INT; p-Iodonitro tetrazolium violet; 2-(4-Iodophenyl)-3-(4-nitrophenyl)-5-phenyl-2H-tetrazolium chloride) $\text{N:N}(\text{Cl})(\text{C}_6\text{H}_4\text{I})\text{N}(\text{C}_6\text{H}_4\text{NO}_2)\text{N:C}_6\text{H}_5$ $\text{C}_{19}\text{H}_{13}\text{ClIN}_5\text{O}_2$ M_r 505.71 [146-68-9] p.a. M.P. ~245° dec.; for the histol. Analysis of Oxidases				1 g 9.—	5 g 34.—
57950	Iodonitrotetrazoliumviolet-formazane (INT-Formazane) $\text{NO}_2\text{C}_6\text{H}_4\text{NHN:C}(\text{C}_6\text{H}_5)\text{N:NC}_6\text{H}_4\text{I}$ $\text{C}_{19}\text{H}_{14}\text{IN}_5\text{O}_2$ M_r 471.26				1 g 10.—	5 g 40.—
57971	1-Iodo-octane (Octyl iodide) 3/4; 87° $\text{CH}_3(\text{CH}_2)_7\text{I}$ $\text{C}_8\text{H}_{17}\text{I}$ M_r 240.13 [629-27-6] purum >98% (GC); B.P. 255° (Lit.); d_4^{20} 1.320; n_D^{20} 1.487			1 lt ≈ 1.32 kg	100 ml 28.—	500 ml 120.—
58010	1-Iodopentane (Pentyl iodide) 3/3; 43° $\text{CH}_3(\text{CH}_2)_4\text{I}$ $\text{C}_5\text{H}_{11}\text{I}$ M_r 198.05 [628-17-1] purum >98% (GC); B.P. 154-156°; d_4^{20} 1.513; n_D^{20} 1.495			1 lt ≈ 1.51 kg	100 ml 30.—	500 ml 125.—
58012	2-Iodopentane purum >99% (GC); B.P. 142-144°; d_4^{20} 1.502; n_D^{20} 1.495 6.1/62 $\text{CH}_3\text{CH}_2\text{CH}_2\text{CHICH}_3$ $\text{C}_5\text{H}_{11}\text{I}$ M_r 198.05 [637-97-8]			1 lt ≈ 1.50 kg	100 ml 30.—	
58015	Iodo pentoxide purum >97% (RT); granular 5.1/9 I_2O_5 M_r 333.81 [12029-98-0]				50 g 18.—	250 g 75.—
58020	4-Iodophenol purum >98% (T); M.P. 90-92° 6.1/22 $\text{IC}_6\text{H}_4\text{OH}$ $\text{C}_6\text{H}_5\text{IO}$ M_r 220.01 [540-38-5]				10 g 28.—	
	2-Iodophenyl methyl ether see 57710 2-Iodoanisole					
	4-Iodophenyl methyl ether see 57720 4-Iodoanisole					
	1-Iodopropane see 82350 Propyl iodide					
59540	2-Iodopropane (Isopropyl iodide) 3/1a; 2° $(\text{CH}_3)_2\text{CHI}$ $\text{C}_3\text{H}_7\text{I}$ M_r 169.99 [75-30-9] purum stab. with Silver wool; >98% (GC); B.P. 88-90°; d_4^{20} 1.700; n_D^{20} 1.499			1 lt ≈ 1.70 kg	100 ml 16.—	500 ml 67.—
	3-Iodo-1-propene see 05990 Allyl iodide					
	5-Iodo-1-(β-D-ribofuranosyl)uracil see 58150 5-Iodouridine					
58056	5-Iodosalicylic acid pract. >95% (T); M.P. 186-188° $\text{IC}_6\text{H}_3(\text{OH})\text{COOH}$ $\text{C}_7\text{H}_5\text{IO}_3$ M_r 264.02 [119-30-2]				50 g 40.—	
57990	2-Iodosobenzoic acid $\text{OIC}_6\text{H}_4\text{COOH}$ $\text{C}_7\text{H}_5\text{IO}_3$ M_r 264.02 [304-91-6] purum M.P. ~235° dec.; for the determination of glutathione, cysteine and thiol groups in proteins: L. Hellerman, F. P. Chinard and P. A. Ramsdell, J. Am. Chem. Soc. 63, 2551 (1941); and oxidation of reactive thiols: W. S. Allison, M. J. Connors, Arch. Biochem. Biophys. 136, 383 (1970)				1 g 11.—	5 g 46.—
58070	N-Iodosuccinimide purum >98% (RT); M.P. 196-200° dec.; store in refrigerator $\text{O=CCH}_2\text{CH}_2\text{CONI}$ $\text{C}_4\text{H}_4\text{INO}_2$ M_r 224.99 [516-12-1]				5 g 20.—	25 g 75.—
58080	2-Iodothiophene pract. >98% (GC); B.P. 182° (Lit.); d_4^{20} 2.058; n_D^{20} 1.651 6.1/81a SCH:CHCH:CI $\text{C}_4\text{H}_3\text{IS}$ M_r 210.04 [3437-95-4]			1 lt ≈ 2.06 kg	5 ml 24.—	25 ml 100.—
58090	2-Iodotoluene (1-Iodo-2-methylbenzene) 6.1/12 $\text{CH}_3\text{C}_6\text{H}_4\text{I}$ $\text{C}_7\text{H}_7\text{I}$ M_r 218.04 [615-37-2] purum ~97% (GC); B.P. 213° (Lit.); d_4^{20} 1.701; n_D^{20} 1.606			1 lt ≈ 1.70 kg	25 ml 22.—	100 ml 80.—
58100	3-Iodotoluene (1-Iodo-3-methylbenzene) 6.1/12 $\text{CH}_3\text{C}_6\text{H}_4\text{I}$ $\text{C}_7\text{H}_7\text{I}$ M_r 218.04 [625-95-6] purum >98% (GC); B.P. 211-213°; d_4^{20} 1.698; n_D^{20} 1.603			1 lt ≈ 1.70 kg	25 ml 24.—	100 ml 90.—
58110	4-Iodotoluene purum >98% (GC); M.P. 33-35° (1-Iodo-4-methylbenzene) $\text{CH}_3\text{C}_6\text{H}_4\text{I}$ $\text{C}_7\text{H}_7\text{I}$ M_r 218.04 [624-31-7]				25 g 14.—	100 g 50.—
	2-Iodo-1,1,1-trifluoroethane see 91693 2,2,2-Trifluoroethyl iodide					

sFr.

sFr.

Iodotrimethylsilane (Trimethyliodosilane; Trimethylsilyliodide)(CH₃)₃SiI C₃H₉Si M_r 200.10 [16029-98-4]

- 58118 purum >98% (I); Versatile reagent, e.g. for the cleavage of ethers, esters, carbamates and ketals, for the deoxygenation of sulfoxides, for the synthesis of iodides, etc.: M. E. Jung, M. A. Lyster, J. C. S. Chem. Comm. 315 (1978) (and references cited therein); M. E. Jung et al., J. Org. Chem. 43, 3698 (1978); M. E. Jung et al., Synthesis 588 (1978); J. Zygmunt et al., ibid. 609 (1978); J. Minamikawa, A. Brossi, Tetrahedron Lett. 3085 (1978)

1 lt ≈ 1.47 kg

5 ml 17. —

25 ml 70. —

3-Iodo-L-tyrosineHOC₆H₃ICH₂CH(NH₂)COOH C₉H₁₀INO₃ M_r 307.09 [70-78-0]

- 58120 purum >98% (NT); M.P. 204-208° dec.; [α]_D²⁰ -3.2±0.3° (c = 2 in 0.1n HCl); 1 g clearly soluble in 10 ml 1n HCl

1 g 14. —

5 g 60. —

5-Iodouridine [5-Iodo-1-(β-D-ribofuranosyl)uracil]C₉H₁₁IN₂O₆ M_r 370.10 [1024-99-3]

- 58150 puriss. >99% (I); M.P. 210-215° dec.; [α]_D²⁰ -28±2° (c = 1 in water)

250 mg 12. —

1 g 40. —

- 58170 **α-Ionone** techn. 75-90% (GC); 5-15% β-Ionone; d₄²⁰ 0.931; n_D²⁰ 1.500

1 lt ≈ 0.93 kg

50 ml 12. —

250 ml 50. —

(CH₃)₂C=CHCH₂CH₂CH₂C(CH₃)₂CH=CHCOCH₃ C₁₃H₂₀O M_r 192.30 [127-41-3]

- 58180 **β-Ionone** pract. ~90% (GC); B.P.₁₀ 122-126°; d₄²⁰ 0.945; n_D²⁰ 1.520

1 lt ≈ 0.95 kg

25 ml 10. —

100 ml 32. —

(CH₃)₂C=CH(CH₂)₃C(CH₃)₂CH=CHCOCH₃ C₁₃H₂₀O M_r 192.30 [14901-07-6]

- 58185 **Ipsenol** purum (2-Methyl-6-methylene-7-octene-4-ol)
C₁₀H₁₇O M_r 153.25

100 mg 18. —

500 mg 75. —

- 58190 **Iridium** puriss. powder 99.9%

Ir A_r 192.22 [7439-88-5]

1 g 120. —

Iridium(IV) ammonium chloride see 09740 Ammonium hexachloroiridate(IV)**Iridium(I)-bis-(triphenylphosphine) carbonyl chloride** see 15252

Bis-(triphenylphosphine)-iridium(I)-carbonyl chloride

- 58191 **Iridium carbonyl** purum

Ir₄(CO)₁₂ C₁₂Ir₄O₁₂ M_r 1105.00 [11065-24-0]

100 mg 45. —

- 58200 **Iridium(III) chloride** puriss. ~65% Ir

IrCl₃ Cl₃Ir M_r 298.56 [10025-83-9]

1 g 95. —

- 58210 **Iridium(IV) chloride** puriss. 38-40% Ir; very hygroscopic (Hexachloroiridic acid)

H₂IrCl₆·6H₂O Cl₆H₂Ir·6H₂O M_r 515.03 [60818-94-2]

1 g 105. —

IronCH₃C=CHCH₂CH(CH₃)C(CH₃)₂CH=CHCOCH₃ C₁₄H₂₂O M_r 206.33 [79-69-4]

- 58220 pract. >90% (GC); d₄²⁰ 0.934; n_D²⁰ 1.492; mixture of isomers; mainly the α-Isomer

1 lt ≈ 0.93 kg

5 ml 40. —

- 44902 **Iron** (Coating quality BALZERS) 99.9%; Sticks Diameter 2 mm

100 g 32. —

500 g 135. —

Iron (Carbonyl-Iron powder)Fe A_r 55.85 [7439-89-6]

- 44890 puriss. p.a. powder >99.5% (RT); C <0.06%; O <0.2%; Ni ~0.06%

100 g 7. —

500 g 24. —

2.5 kg 100. —

- 44900 purum p.a. reduced

250 g 7. —

1 kg 18. —

Fluka-Guarantee:

Assay	>98.0 %	Lead (Pb)	<0.005%
Chloride (Cl)	<0.005%	Zinc (Zn)	<0.005%
Sulfate (SO ₄)	<0.005%	Calcium (Ca)	<0.005%
Copper (Cu)	<0.1 %		

**Iron Ion Standard Solution FLUKA**

- 44903 1.000 g Iron/Liter/20°C; prepared from Fe (NO₃)₃;
pH 1.3 adjusted with HNO₃

1 lt ≈ 1.00 kg

500 ml 18. —

Iron II... see Ferrous...**Iron III...** see Ferric...

- 44940 **Iron-Aluminum alloy** purum powder 50% Fe (Raney-Iron) [12042-17-0]

100 g 20. —

Ironcarbonyl see 44950 Iron pentacarbonyl

			sFr.	sFr.
	tri-Irondodecacarbonyl			
	$\text{Fe}_3(\text{CO})_{12}$ $\text{C}_{12}\text{Fe}_3\text{O}_{12}$ M_r 503.67 [17685-52-8]			
44946	purum >97% (Fe; dry); moistened with 5-10% Methanol		5 g	45. —
	di-Ironnonacarbonyl pract. >97% (Fe)			
44947	$\text{Fe}_2(\text{CO})_9$ $\text{C}_9\text{Fe}_2\text{O}_9$ M_r 363.79 [15321-51-4]		5 g	40. —
	Ironpentacarbonyl (Ironcarbonyl)			
	6.1/5b; -15° $\text{Fe}(\text{CO})_5$ C_5FeO_5 M_r 195.90 [13463-40-6]			
44950	purum >97% (Fe); B.P. 103° (Lit.); Review: H. Alper in "Organic Syntheses via Metal Carbonyls", 2, 545 (1977); F. Wender, P. Pino, Eds.		1 lt ≈ 1.45 kg	500 ml 67. —
58240	Isatin	puriss. p.a. ~99% (NT); M.P. 201-203°; Ash <0.09% $\text{C}_8\text{H}_4\text{NHCO}_2$ $\text{C}_8\text{H}_5\text{NO}_2$ M_r 147.14 [91-56-5]	25 g	7. — 100 g 15. — 500 g 63. —
	Isatoic anhydride [Anthranilic acid-N-carboxylic acid anhydride; 3,1-Benzoxazine-2,4(1H)-dione]			
	$\text{C}_6\text{H}_4\text{NHCOO}_2$ $\text{C}_6\text{H}_5\text{NO}_3$ M_r 163.13 [118-48-9]			
58279	pract. >97% (UV); M.P. 235-240° dec.		100 g	10. — 500 g 37. —
	Isethionic acid Sodium salt (2-Hydroxyethane-1-sulfonic acid Sodium salt)			
	$\text{HOCH}_2\text{CH}_2\text{SO}_3\text{Na}$ $\text{C}_2\text{H}_5\text{NaO}_4\text{S}$ M_r 148.11 [1562-00-1]			
58230	purum >98% (T); 1 g clearly and colourless soluble in 10 ml water		250 g	8. — 1 kg 22. —
	Isoamyl acetate see 45940 Isopentyl acetate			
	Isoamyl alcohol see 65979 (-)-2-Methyl-1-butanol			
	Isoandrosterone see 10360 trans-Androsterone			
	D(-)-Isoascorbic acid (D-Araboascorbic acid)			
	$\text{HOCH}_2\text{CH}(\text{OH})\text{CH}(\text{OH})\text{C}(\text{OH})\text{CO}_2$ $\text{C}_6\text{H}_8\text{O}_6$ M_r 176.13 [89-65-6]			
58320	puriss. M.P. 168-170° dec.; $[\alpha]_{\text{D}}^{20} -21 \pm 1^\circ$; $[\alpha]_{\text{D}}^{20} -17 \pm 1^\circ$ (c = 1 in water); 1 g clearly and colourless soluble in 10 ml water		250 g	17. — 1 kg 60. —
58330	Isobarbituric acid	purum >98% (N); M.P. >300°; Ash <0.5% (2,4,5-Trihydroxypyrimidine) $\text{N}:\text{C}(\text{OH})\text{N}:\text{C}(\text{OH})\text{C}(\text{OH})\text{CH}$ $\text{C}_4\text{H}_4\text{N}_2\text{O}_3$ M_r 128.09 [20636-41-3]	1 g	28. — 5 g 120. —
	R(-)-Isobornylamine hydrochloride {exo-(1R)-1,7,7-Trimethylbicyclo[2.2.1]heptane-2-amine hydrochloride}			
	$\text{C}_{10}\text{H}_{19}\text{N} \cdot \text{HCl}$ M_r 189.73 [24629-78-5]			
58335	purum >97% (Cl); M.P. >300°; $[\alpha]_{\text{D}}^{20} -56 \pm 3^\circ$; $[\alpha]_{\text{D}}^{20} -48 \pm 3^\circ$ (c = 5 in Ethanol)		1 g	55. —
	Isobutane see 58340 2-Methylpropane			
	"Isobutenol" see 64220 β-Methallyl alcohol			
	1-Isobutoxycarbonyl-2-isobutoxy-1,2-dihydroquinoline (IIDQ)			
	$\text{C}_{18}\text{H}_{25}\text{NO}_3$ M_r 303.40 [38428-14-7]			
58625	purum >99% (NT); B.P. 144°; d_4^{20} 1.050; n_{D}^{20} 1.524; Coupling reagent for Peptide synthesis; Y. Kiso, H. Yazima, Chem. Commun. 942 (1972)		1 lt ≈ 1.05 kg	25 ml 29. — 100 ml 105. —
45920	Isobutyl acetate	puriss. ~99% (GC); B.P. 116-118°; d_4^{20} 0.870; n_{D}^{20} 1.390 3/1a; 18° $\text{CH}_3\text{COOCH}_2\text{CH}(\text{CH}_3)_2$ $\text{C}_6\text{H}_{12}\text{O}_2$ M_r 116.16 [110-19-0]	1 lt ≈ 0.87 kg	1 lt 16. — 2.5 lt 35. —
	Isobutylacetone see 59140 5-Methyl-2-hexanone			
	Isobutyl acrylate			
	3/3; 32° $\text{CH}_2\text{:CHCOOCH}_2\text{CH}(\text{CH}_3)_2$ $\text{C}_7\text{H}_{12}\text{O}_2$ M_r 128.17 [106-63-8]			
01795	purum >99% (GC); B.P. 139°; d_4^{20} 0.888; n_{D}^{20} 1.415; stab. with 0.005% Hydroquinone		1 lt ≈ 0.89 kg	250 ml 10. — 1 lt 32. —
	Isobutyl alcohol (2-Methyl-1-propanol)			
	3/3; 28° $(\text{CH}_3)_2\text{CHCH}_2\text{OH}$ $\text{C}_4\text{H}_{10}\text{O}$ M_r 74.12 [78-83-1]			
58450	puriss. p.a. B.P. 107-108°; d_4^{20} 0.801; n_{D}^{20} 1.396		1 lt ≈ 0.80 kg	1 lt 15. — 2.5 lt 33. —
	Fluka-Guarantee:			
	Assay (GC)	>99.5 %	Cobalt (Co)	<0.00001 %
	Water (H ₂ O)	<0.1 %	Nickel (Ni)	<0.00001 %
	Residue on evaporation	<0.001 %	Copper (Cu)	<0.00001 %
	Free acid (as C ₃ H ₇ COOH)	<0.005 %	Lead (Pb)	<0.00001 %
	Aldehyde (as C ₃ H ₇ CHO)	<0.005 %	Cadmium (Cd)	<0.00001 %
	Ketone (as CH ₃ COCH ₃)	<0.01 %	Zinc (Zn)	<0.00001 %
	Iron (Fe)	<0.00005 %	Peroxide (as H ₂ O ₂)	<0.00001 %
58460	purum >99% (GC); B.P. 105-108°; d_4^{20} 0.801; n_{D}^{20} 1.396		1 lt ≈ 0.80 kg	1 lt 10. — 5 lt 42. —



				sFr.	sFr.
58470	Isobutylaluminum dichloride purum 4.2/3 $(\text{CH}_3)_2\text{CHCH}_2\text{AlCl}_2$ $\text{C}_4\text{H}_9\text{AlCl}_2$ M_r 155.00 [1888-87-5]			Cylinder with net 150 g 175. —	
	Isobutylamine (1-Amino-2-methylpropane) 3/1a; -9° $(\text{CH}_3)_2\text{CHCH}_2\text{NH}_2$ $\text{C}_4\text{H}_{11}\text{N}$ M_r 73.14 [78-81-9]				
58480	purum >98%(GC); B.P. 67-69°; d_4^{20} 0.733; n_D^{20} 1.398	1 lt ≈ 0.73 kg	250 ml 9. —	1 lt 30. —	
	Isobutylbenzene (2-Methyl-1-phenylpropane) 3/3; 48° $\text{C}_6\text{H}_5\text{CH}_2\text{CH}(\text{CH}_3)_2$ $\text{C}_{10}\text{H}_{14}$ M_r 134.22 [538-93-2]				
58500	purum >99%(GC); B.P. 173° (Lit.); d_4^{20} 0.852; n_D^{20} 1.486	1 lt ≈ 0.85 kg	100 ml 13. —	500 ml 55. —	
	Isobutyl bromide (1-Bromo-2-methylpropane) 3/3; 22° $(\text{CH}_3)_2\text{CHCH}_2\text{Br}$ $\text{C}_4\text{H}_9\text{Br}$ M_r 137.03 [78-77-3]				
58510	purum >97%(GC); B.P. 90-92°; d_4^{20} 1.26; n_D^{20} 1.436; tert-Butylbromide ~3%	1 lt ≈ 1.26 kg	100 ml 8. —	500 ml 29. —	
	Isobutyl chloroformate 6.1/4; 36° $\text{ClCOOCH}_2\text{CH}(\text{CH}_3)_2$ $\text{C}_5\text{H}_9\text{ClO}_2$ M_r 136.58 [17462-58-7]				
23191	pract. ~95%(GC); B.P. 129° (Lit.); d_4^{20} 1.045; n_D^{20} 1.407; stab. with Na_2SO_4 ; decomposes very easily; store in refrigerator	1 lt ≈ 1.04 kg	100 ml 25. —	500 ml 105. —	
	Isobutyl cyanide see 59910 Isovaleronitrile				
	Isobutylene see 58542 2-Methylpropene				
	Isobutyl ether (Diisobutylether) 16° $(\text{CH}_3)_2\text{CHCH}_2\text{OCH}_2\text{CH}(\text{CH}_3)_2$ $\text{C}_8\text{H}_{18}\text{O}$ M_r 130.23 [628-55-7]				
38138	purum >%(GC); B.P. 123-125°; d_4^{20} 0.751; n_D^{20} 1.389	1 lt ≈ 0.75 kg	100 ml 12. —	500 ml 50. —	
	Isobutyl iodide see 58560 1-Iodo-2-methylpropane				
	Isobutyl isobutyrate 3/3; 40° $(\text{CH}_3)_2\text{CHCOOCH}_2\text{CH}(\text{CH}_3)_2$ $\text{C}_8\text{H}_{16}\text{O}_2$ M_r 144.22 [97-85-8]				
58430	purum >98%(GC); B.P. 146-149°; d_4^{20} 0.854; n_D^{20} 1.399	1 lt ≈ 0.85 kg	250 ml 20. —	1 lt 70. —	
	Isobutyl mercaptan see 58590 2-Methyl-1-propanethiol				
	Isobutyl methacrylate 3/3; 46° $\text{CH}_2=\text{C}(\text{CH}_3)\text{COOCH}_2\text{CH}(\text{CH}_3)_2$ $\text{C}_8\text{H}_{14}\text{O}_2$ M_r 142.20 [97-86-9]				
64190	pract. >99%(GC); B.P. 155° (Lit.); d_4^{20} 0.886; n_D^{20} 1.420; stab. with ~0.005% Hydroquinone mono ethylether	1 lt ≈ 0.89 kg	250 ml 11. —	1 lt 44. —	
	Isobutyl methyl carbinol see 68440 4-Methyl-2-pentanol				
	Isobutyl methyl ketone see 58600 4-Methyl-2-pentanone				
	N-Isobutyloxycarbonyl-2-isobutyloxy-1,2-dihydroquinoline see 58625 2-Isobutoxy-1-isobutoxycarbonyl-1,2-dihydroquinoline				
	Isobutyl vinyl ether (Vinyl isobutyl ether) 3/1a; -7° $(\text{CH}_3)_2\text{CHCH}_2\text{OCH}=\text{CH}_2$ $\text{C}_6\text{H}_{12}\text{O}$ M_r 100.16 [109-53-5]				
58660	purum >99%(GC); B.P. 83-85°; d_4^{20} 0.768; n_D^{20} 1.396; stab. with 0.1% Potassium hydroxide	1 lt ≈ 0.77 kg	250 ml 7. —	1 lt 20. —	
	Isobutyraldehyde (2-Methylpropionaldehyde) 3/1a; -25° $(\text{CH}_3)_2\text{CHCHO}$ $\text{C}_4\text{H}_8\text{O}$ M_r 72.11 [78-84-2]				
58670	puriss. >99%(GC); B.P. 63-64°; d_4^{20} 0.79; n_D^{20} 1.374; <1% Isobutyric acid; store in refrigerator;	1 lt ≈ 0.79 kg	100 ml 12. —	500 ml 50. —	
58680	stab. with 0.05% Di-tert-butyl-p-cresol purum >98%(GC); B.P. 60-64°; d_4^{20} 0.79; <1% Isobutyric acid	1 lt ≈ 0.79 kg	1 lt 10. —	2.5 lt 22. —	
	Isobutyric acid (2-Methylpropionic acid) 8/21d $(\text{CH}_3)_2\text{CHCOOH}$ $\text{C}_4\text{H}_8\text{O}_2$ M_r 88.11 [79-31-2]				
58360	puriss. p.a. B.P. 154-155°; d_4^{20} 0.949; n_D^{20} 1.393	1 lt ≈ 0.95 kg	100 ml 8. —	500 ml 26. —	
	Fluka-Guarantee:				
	Assay (GC) >99.5 %	Lead (Pb) <0.00001%			
	Water (H_2O) <0.2 %	Cadmium (Cd) <0.00001%			
	Iron (Fe) <0.00005%	Zinc (Zn) <0.00005%			
	Copper (Cu) <0.00001%				
58370	purum ~98%(GC); B.P. 151-155°; d_4^{20} 0.947; n_D^{20} 1.393; <1.5% Butyric acid; <0.5% 2-Methyl-butyric acid	1 lt ≈ 0.95 kg	1 lt 15. —	5 lt 63. —	



			sFr.	sFr.
Isobutyric anhydride				
	8/21d; 68° (CH ₃) ₂ CHCOOCOCH(CH ₃) ₂ C ₈ H ₁₄ O ₃ M _r 158.20 [97-72-3]			
58390	purum >98%(GC); B.P. 179-182°; d ₄ ²⁰ 0.953; n _D ²⁰ 1.406	1 lt ≈ 0.95 kg	250 ml 12. —	1 lt 40. —
Isobutyronitrile see 38420 2,4-Dimethyl-3-pentanone				
Isobutyronitrile (Isopropylcyanide)				
	6.1/2b; 8° (CH ₃) ₂ CHCN C ₄ H ₇ N M _r 69.11 [78-82-0]			
58690	purum ~99%(GC); B.P. 100-103°; d ₄ ²⁰ 0.770; n _D ²⁰ 1.374	1 lt ≈ 0.77 kg	500 ml 12. —	1 lt 22. —
Isobutyrophenone see 59730 2-Methyl-1-phenyl-1-propanone				
Isobutyrylbenzene see 59730 2-Methyl-1-phenyl-1-propanone				
58420	Isobutyryl chloride purum >98%(Cl); B.P. 90-92°; d ₄ ²⁰ 1.027; n _D ²⁰ 1.407 8/22 (CH ₃) ₂ CHCOCl C ₄ H ₇ ClO M _r 106.55 [79-30-1]	1 lt ≈ 1.03 kg	250 ml 20. —	1 lt 70. —
Isocaffeine see 92765 1,3,9-Trimethylxanthine				
Isocaprone see 38250 2,8-Dimethyl-5-nonanone				
58780	DL-Isocitric acid lactone purum >98%(T); M.P. 157-160°; not allofree CH(COOH)CH(COOH)CH ₂ COO C ₆ H ₆ O ₆ M _r 174.11 [4702-32-3]		1 g 22. —	5 g 90. —
58800	DL-Isocitric acid Trisodium salt purum >97%(NT) NaOOCCH(OH)CH(COONa)CH ₂ COONa.2H ₂ O C ₆ H ₅ Na ₃ O ₇ .2H ₂ O M _r 294.10 [13167-87-8]		1 g 16. —	5 g 67. —
Isocitronellene see 40960 (+)-5,7-Dimethyl-1,6-octadiene				
4-Isocyanatobenzenesulfonyl chloride see 78760 Phenyl isocyanate-4-sulfonyl chloride				
3-Isocyanatochlorobenzene see 25990 3-Chlorophenyl isocyanate				
4-Isocyanatochlorobenzene see 26000 4-Chlorophenyl isocyanate				
Isocyanocyclohexane see 29440 Cyclohexyl isocyanide				
Isodehydracetic acid (4,6-Dimethylcoumalic acid; 4,6-Dimethyl-2-pyrone-5-carboxylic acid)				
	HOOCCH ₂ C(CH ₃) ₂ OCOCH ₂ CH ₃ C ₈ H ₈ O ₄ M _r 168.15 [480-65-9]			
58835	pract.		10 g 10. —	50 g 42. —
Isodulcit see 83650 L(+) -Rhamnose Monohydrate				
Isodurene (1,2,3,5-Tetramethylbenzene)				
	C ₆ H ₂ (CH ₃) ₄ C ₁₀ H ₁₄ M _r 134.22 [527-53-7]			
58840	purum ~90%(GC) + ~10% Durene; B.P. 197° (Lit.); d ₄ ²⁰ 0.889; n _D ²⁰ 1.513	1 lt ≈ 0.89 kg	250 ml 21. —	1 lt 75. —
Isoeugenol (cis + trans) (2-Methoxy-4-propenylphenol)				
	CH ₃ CH=CHC ₆ H ₃ (OH)OCH ₃ C ₁₀ H ₁₂ O ₂ M _r 164.21 [97-54-1]			
58850	purum ~95%(GC); B.P. 269-271°; d ₄ ²⁰ 1.084; n _D ²⁰ 1.575	1 lt ≈ 1.08 kg	100 ml 25. —	500 ml 105. —
Isoheptane see 67360 2-Methylhexane				
Isohexane see 68310 2-Methylpentane				
"Isohexylalcohol" see 03170 2-Ethyl-1-butanol				
L-allo-Isoleucine see 05703 L-Alloisoleucine				
D-allo-Isoleucine see 05705 D-Alloisoleucine				
L-Isoleucine allo free (2-Amino-3-methyl-n-valeric acid)				
	CH ₃ CH ₂ CH(CH ₃)CH(NH ₂)COOH C ₆ H ₁₃ NO ₂ M _r 131.18 [73-32-5]			
58880	puriss. p.a. [α] _D ²⁰ +48.7±1°; [α] _D ²⁰ +40.0±1° (c = 5 in 6N HCl)	10 g 11. —	50 g 44. —	250 g 185. —
	Fluka-Guarantee:			
	Assay >99.0%	Ammonium (NH ₄)	<0.01 %	
	Other amino acids <0.3 %	Copper (Cu)	<0.0001%	
	Loss on drying <0.1 %	Lead (Pb)	<0.0001%	
	Residue on ignition (as SO ₄) <0.1 %	Iron (Fe)	<0.0005%	
	Chloride (Cl) <0.05%	Zinc (Zn)	<0.0001%	
	Sulfate (SO ₄) <0.1 %	Cadmium (Cd)	<0.0001%	
D-Isoleucine allo free				
	CH ₃ CH ₂ CH(CH ₃)CH(NH ₂)COOH C ₆ H ₁₃ NO ₂ M _r 131.18 [319-78-8]			
58882	puriss. CHR >99%(NT); [α] _D ²⁰ -48.7±2°; [α] _D ²⁰ -40.0±2° (c = 5 in 6N HCl); allo-Isoleucine <2%		250 mg 63. —	1 g 225. —



			sFr.	sFr.
DL-Isoleucine				
	$\text{CH}_3\text{CH}_2\text{CH}(\text{CH}_3)\text{CH}(\text{NH}_2)\text{COOH}$ $\text{C}_6\text{H}_{13}\text{NO}_2$ M_r 131.18 [443-79-8]			
58885	mixture of the 4 stereoisomers; 85% DL-Isoleucine; 10% DL-Alloisoleucine + ~5% Leucine		10 g 9. —	50 g 32. —
L-Isoleucine benzyl ester toluene-4-sulfonate				
	$\text{CH}_3\text{CH}_2\text{CH}(\text{CH}_3)\text{CH}(\text{NH}_2)\text{COOCH}_2\text{C}_6\text{H}_5 \cdot \text{CH}_3\text{C}_6\text{H}_4\text{SO}_3\text{H}$ $\text{C}_{13}\text{H}_{19}\text{NO}_2 \cdot \text{C}_7\text{H}_6\text{O}_3\text{S}$ M_r 393.50 [16652-75-8]			
58904	puriss. M.P. 149-150°; $[\alpha]_{546}^{20} + 24.5 \pm 0.5^\circ$ (c = 1.3 in Pyridine)		5 g 32. —	
L-Isoleucine tert-butyl ester Dibenzonesulfimide salt				
	$\text{CH}_3\text{CH}_2\text{CH}(\text{CH}_3)\text{CH}(\text{NH}_2)\text{COOC}(\text{CH}_3)_3 \cdot \text{C}_{12}\text{H}_{11}\text{NO}_4\text{S}_2$ $\text{C}_{10}\text{H}_{21}\text{NO}_2 \cdot \text{C}_{12}\text{H}_{11}\text{NO}_4\text{S}_2$ M_r 484.64 [16874-08-1] (free ester)			
58905	puriss. >99%(S); M.P. 134-135°; $[\alpha]_{546}^{20} + 35 \pm 1^\circ$ (c = 2 in Pyridine)		5 g 40. —	
58920	L-Isoleucine methyl ester hydrochloride purum >98%(Cl); $[\alpha]_{546}^{20} + 30 \pm 2^\circ$ (c = 2 in water) $\text{CH}_3\text{CH}_2\text{CH}(\text{CH}_3)\text{CH}(\text{NH}_2)\text{COOCH}_3 \cdot \text{HCl}$ $\text{C}_7\text{H}_{15}\text{NO}_2 \cdot \text{HCl}$ M_r 181.66 [18598-74-8]		1 g 16. —	5 g 67. —
58923	(+)-3R-trans-Isolimonene puriss. >99%(GC) $\text{C}_{10}\text{H}_{18}$ M_r 136.24 [5113-87-1]		1 lt ≈ 0.87 kg	5 ml 20. — 25 ml 85. —
58924	Isolongifolene purum $\text{C}_{15}\text{H}_{24}$ M_r 204.36 [1135-66-6]		1 lt ≈ 0.95 kg	5 ml 20. — 25 ml 85. —
(-)-Isolongifolol				
	$\text{C}_{15}\text{H}_{26}\text{O}$ M_r 222.37 [469-27-2]			
58925	puriss. M.P. 113-114°; $[\alpha]_{546}^{20} - 69 \pm 1^\circ$; $[\alpha]_{\text{D}}^{20} - 58 \pm 1^\circ$ (c = 1 in Petroleum ether)		1 g 25. —	5 g 105. —
58290	α-Isomalic acid puriss. ~99%(T); M.P. 140-143° (2-Hydroxy-2-methylmalonic acid) $(\text{HOOC})_2\text{C}(\text{OH})\text{CH}_3$ $\text{C}_4\text{H}_6\text{O}_5$ M_r 134.09 [595-48-2]		250 mg 29. —	1 g 105. —
Isomaltulose see 75980 Palatinose				
Isoniazid see 58980 Isonicotinic hydrazide				
Isonicotinaldehyde see 82730 Pyridine-4-carboxaldehyde				
Isonicotinamide (Pyridine-4-carboxylic acid amide)				
	$\text{N}:\text{CHCH}:\text{C}(\text{CONH}_2)\text{CH}:\text{CH}$ $\text{C}_6\text{H}_6\text{N}_2\text{O}$ M_r 122.13 [1453-82-3]			
58970	purum >99%(NT); M.P. 156-158°; Ash <0.05%		25 g 11. —	100 g 38. —
Isonicotinic acid (4-Picolinic acid; Pyridine-4 carboxylic acid)				
	$\text{N}:\text{CHCH}:\text{C}(\text{COOH})\text{CH}:\text{CH}$ $\text{C}_6\text{H}_5\text{NO}_2$ M_r 123.11 [55-22-1]			
58930	purum >99%(T); M.P. >300°; Ash <0.5%		250 g 20. —	1 kg 70. —
Isonicotinic acid nitrile see 28590 4-Cyanopyridine				
Isonicotinic hydrazide (Isoniazid)				
	$\text{N}:\text{CHCH}:\text{C}(\text{CONHNH}_2)\text{CH}:\text{CH}$ $\text{C}_6\text{H}_7\text{N}_3\text{O}$ M_r 137.14 [54-85-3]			
58980	purum >99%(NT); M.P. 170-173°; Used in a new method for fluorescence detection in the high-performance liquid chromatography of Δ^4 -3-ketosteroids: R. Horikawa et al., J. Chromatogr. 168, 526 (1979)		100 g 10. —	500 g 42. —
Isonipectic acid see 80650 Piperidine-4-carboxylic acid				
ω-Isonitrosoacetophenone (Benzoylformaldoxime; Phenylglyoxaldoxime)				
	$\text{C}_6\text{H}_5\text{COCH}:\text{NOH}$ $\text{C}_8\text{H}_7\text{NO}_2$ M_r 149.15 [532-54-7]			
59010	puriss. p.a.; M.P. 123-125°; store in refrigerator; Determination of: Co, Fe, Hg, Mn, Ni, Pb		10 g 22. —	50 g 90. —
5-Isonitrosobarbituric acid see 95120 Violuric acid				
Isooctane (2,2,4-Trimethylpentane)				
	3/1a; 4° $(\text{CH}_3)_2\text{CHCH}_2\text{C}(\text{CH}_3)_3$ C_8H_{18} M_r 114.23 [540-84-1]			
59030	puriss. Standard for GC; >99.7%(GC); B.P. 98.5-99.5°; d_4^{20} 0.691; n_D^{20} 1.391		1 lt ≈ 0.69 kg	10 ml 18. — 50 ml 75. —
59040	for UV-Spectroscopy Fluka-Guarantee: Layer thickness: 1 cm; Reference cell: water Wave length in nm: 210 220 230 240 250 Transmittance in %: 35 73 85 92 >98		1 lt ≈ 0.69 kg	250 ml 13. — 1 lt 45. —



(continues next page)

				sFr.	sFr.
Isooctane (continue)					
59042	for HPLC; n_D^{20} 1.397; UV cut-off 210 nm; solvent strength ϵ (Al_2O_3) 0.01; H_2O <0.01%	1 lt $\approx$ 0.69 kg	250 ml 9.—	1 lt 30.—	2.5 lt 67.—
59045	puriss. p.a. B.P. 98.5-99.5°; d_4^{20} 0.690; n_D^{20} 1.391	1 lt $\approx$ 0.69 kg	500 ml 11.—	1 lt 20.—	2.5 lt 46.—
	Fluka-Guarantee:				
	Assay (GC) >99.5 %	Nickel (Ni)	<0.00001%		
	Residue on evaporation <0.002 %	Copper (Cu)	<0.00001%		
	Acid (as CH_3COOH) <0.002 %	Lead (Pb)	<0.00001%		
	Sulfure compounds <0.005 %	Cadmium (Cd)	<0.00001%		
	Iron (Fe) <0.00005%	Zinc (Zn)	<0.00001%		
	Cobalt (Co) <0.00001%				
59050	purum >99%(GC); d_4^{20} 0.691; n_D^{20} 1.391; S <0.01%; Octane number 100 $\pm$ 0.1	1 lt $\approx$ 0.69 kg	1 lt 16.—	2.5 lt 35.—	5 lt 67.—
"Isooctyl alcohol" see 04050 2-Ethyl-1-hexanol					
Isoorotic acid see 21970 5-Carboxyuracil					
Isopentane see 59060 2-Methylbutane					
Isopentyl acetate					
	3/3; 25° $\text{CH}_3\text{COOCH}_2\text{CH}_2\text{CH}(\text{CH}_3)_2$ $\text{C}_7\text{H}_{14}\text{O}_2$ M_r 130.19 [123-92-2]				
45950	purum >97%(GC); B.P. 140-142°; d_4^{20} 0.871; n_D^{20} 1.401	1 lt $\approx$ 0.87 kg	1 lt 18.—	2.5 lt 40.—	5 lt 75.—
Isopentyl alcohol see 59090 3-Methyl-1-butanol					
Isopentylamine see 59102 1-Amino-3-methylbutane					
Isopentyl bromide see 17610 1-Bromo-3-methylbutane					
Isopentyl formate					
	3/3; 26° $\text{HCOOCH}_2\text{CH}_2\text{CH}(\text{CH}_3)_2$ $\text{C}_6\text{H}_{12}\text{O}_2$ M_r 116.16 [35073-27-9]				
06530	purum $\sim$ 97%(GC); B.P. 121-123°; d_4^{20} 0.882; n_D^{20} 1.397	1 lt $\approx$ 0.88 kg	100 ml 18.—	500 ml 75.—	
Isopentyl iodide see 57900 1-Iodo-3-methylbutane					
Isopentyl methyl ketone see 59140 5-Methyl-2-hexanone					
Isopentyl nitrite					
	3/1a; -20° $(\text{CH}_3)_2\text{CHCH}_2\text{CH}_2\text{ONO}$ $\text{C}_6\text{H}_{11}\text{NO}_2$ M_r 117.15 [110-46-3]				
59160	pract. >97%(GC); B.P. 95-100°; d_4^{20} 0.876; n_D^{20} 1.387; store in refrigerator	1 lt $\approx$ 0.88 kg	250 ml 23.—	1 lt 85.—	
Isopentyl propionate					
	3/3; 47° $\text{CH}_3\text{CH}_2\text{COOCH}_2\text{CH}_2\text{CH}(\text{CH}_3)_2$ $\text{C}_8\text{H}_{16}\text{O}_2$ M_r 144.22 [97-87-0]				
81980	purum >99%(GC); B.P. 158-160°; d_4^{20} 0.867; d_4^{20} 1.407	1 lt $\approx$ 0.87 kg	100 ml 12.—	500 ml 50.—	
Isophorone (3,5,5-Trimethyl-2-cyclohexen-1-one)					
	3/4; 96° $(\text{CH}_3)_2\text{CCH}_2\text{C}(\text{CH}_3):\text{CHCOCH}_2$ $\text{C}_9\text{H}_{14}\text{O}$ M_r 138.21 [78-59-1]				
59190	purum >98%(GC); B.P. 118-119°; d_4^{20} 0.921; n_D^{20} 1.478	1 lt $\approx$ 0.92 kg	250 ml 7.—	1 lt 15.—	
Isophorone diisocyanate					
	$\text{CH}_2\text{C}(\text{CH}_3)_2\text{CH}_2\text{CH}(\text{NCO})\text{CH}_2\text{C}(\text{CH}_3)_2\text{CH}_2\text{NCO}$ $\text{C}_{12}\text{H}_{18}\text{N}_2\text{O}_2$ M_r 222.29 [4098-71-9]				
59192	pract. Mixture of Stereoisomers; B.P. 153° (Lit.); d_4^{20} 1.061; n_D^{20} 1.484	1 lt $\approx$ 1.06 kg	250 ml 17.—	1 lt 60.—	
59195	Isophthalaldehyde purum >98%(T); M.P. 87-88° (Benzene-1,3-dicarboxaldehyde) $\text{C}_6\text{H}_4(\text{CHO})_2$ $\text{C}_8\text{H}_6\text{O}_2$ M_r 134.14 [626-19-7]		5 g 15.—	25 g 63.—	
Isophthalic acid (Benzene-1,3-dicarboxylic acid)					
	$\text{C}_6\text{H}_4(\text{COOH})_2$ $\text{C}_8\text{H}_6\text{O}_4$ M_r 166.14 [121-91-5]				
59200	purum >99%(T); M.P. >300°; Ash <0.1%; 1 g clearly soluble in 50 ml Methanol		1 kg 13.—	5 kg 55.—	
Isophthalic acid mononitrile see 28360 3-Cyanobenzoic acid					
59230	Isophthalonitrile purum M.P. 158-161° (1,3-Dicyanobenzene; Isophthalodinitrile) $\text{C}_6\text{H}_4(\text{CN})_2$ $\text{C}_8\text{H}_4\text{N}_2$ M_r 128.13 [626-17-5]		100 g 8.—	500 g 26.—	
59210	Isophthaloyl chloride purum >98%(Cl); M.P. 43-44° 8/12 $\text{C}_6\text{H}_4(\text{COCl})_2$ $\text{C}_8\text{H}_4\text{Cl}_2\text{O}_2$ M_r 203.03 [99-63-8]		100 g 11.—	500 g 44.—	



			sFr.	sFr.
Isoprene (2-Methyl-1,3-butadiene)				
	3/1a; -54°	$\text{CH}_2\text{:CHC}(\text{CH}_3)\text{:CH}_2$ C_5H_8 M_r 68.12 [78-79-5]		
59240	puriss. Standard for GC; >99.5%(GC); B.P. 33-34°; d_4^{20} 0.681; n_D^{20} 1.423; stab. with 0.02% 4-tert-Butylpyrocatechol		1 lt $\approx$ 0.68 kg	10 ml 28.— 50 ml 120.—
59250	purum >99%(GC); B.P. 33-36°; d_4^{20} 0.681; n_D^{20} 1.422; stab. with 0.02% 4-tert-Butylpyrocatechol		1 lt $\approx$ 0.68 kg	250 ml 7.— 1 lt 18.—
Isopropanol see 59300 Isopropyl alcohol				
Isopropanolamine see 09280 1-Amino-2-propanol				
Isopropenyl acetate (1-Methylvinyl acetate)				
	3/1a; 4°	$\text{CH}_3\text{COOC}(\text{CH}_3)\text{:CH}_2$ $\text{C}_5\text{H}_8\text{O}_2$ M_r 100.12 [108-22-5]		
00680	purum >99%(GC); B.P. 95-97°; d_4^{20} 0.920; n_D^{20} 1.401	1 lt $\approx$ 0.92 kg	500 ml 15.— 1 lt 28.—	2.5 lt 63.—
Isopropenylbenzene see 69170 α -Methylstyrene monomer				
4-Isopropenyl-1-methylcyclohexene see 62120 and 62130 R(+) and S(-)-Limonene				
(R)- and (S)-5-Isopropenyl-2-methyl-2-cyclohexenone see 22060 and 22070 (-)- and (+)-Carvone				
Isopropenyl methyl ether see 59262 2-Methoxypropene				
2-Isopropoxyethanol (Ethylene glycol monoisopropyl ether; Isopropylglycol)				
	3/3; 43°	$(\text{CH}_3)_2\text{CHOCH}_2\text{CH}_2\text{OH}$ $\text{C}_5\text{H}_{12}\text{O}_2$ M_r 104.15 [109-59-1]		
59670	purum >98%(GC); B.P. 142-144°; d_4^{20} 0.904; n_D^{20} 1.410	1 lt $\approx$ 0.90 kg	1 lt 11.—	2.5 lt 24.—
3-Isopropoxypropylamine (3-Aminopropyl isopropyl ether)				
	8/35; 39°	$(\text{CH}_3)_2\text{CHO}(\text{CH}_2)_3\text{NH}_2$ $\text{C}_6\text{H}_{15}\text{NO}$ M_r 117.19 [2906-12-9]		
59700	purum >98%(GC); B.P. 124-125°; d_4^{20} 0.842; n_D^{20} 1.419	1 lt $\approx$ 0.84 kg	250 ml 24.—	
Isopropyl acetate				
	3/1a; 6°	$\text{CH}_3\text{COOCH}(\text{CH}_3)_2$ $\text{C}_5\text{H}_{10}\text{O}_2$ M_r 102.14 [108-21-4]		
45960	puriss. p.a. B.P. 87-89°; d_4^{20} 0.872	1 lt $\approx$ 0.87 kg	250 ml 8.—	1 lt 25.—
Fluka-Guarantee:				
Assay (GC)		>99.5 %	Nickel (Ni)	<0.00001%
Water (H ₂ O)		<0.05 %	Copper (Cu)	<0.00001%
Residue on evaporation		<0.002 %	Lead (Pb)	<0.00001%
Free acetic acid		<0.005 %	Cadmium (Cd)	<0.00001%
Iron (Fe)		<0.00005%	Zinc (Zn)	<0.00001%
Cobalt (Co)		<0.00001%		
45970	purum >98%(GC); B.P. 87-89°; d_4^{20} 0.871; n_D^{20} 1.377	1 lt $\approx$ 0.87 kg	1 lt 14.—	5 lt 60.—
Isopropylacetone see 58600 4-Methyl-2-pentanone				
Isopropyl alcohol (Isopropanol; 2-Propanol; sec-Propyl alcohol)				
	3/5; 15°	$(\text{CH}_3)_2\text{CHOH}$ $\text{C}_3\text{H}_8\text{O}$ M_r 60.10 [67-63-0]		
59300	puriss. p.a. B.P. 81-83°; d_4^{20} 0.783; n_D^{20} 1.378; H ₂ O <0.1%	1 lt $\approx$ 0.78 kg	1 lt 11.—	2.5 lt 23.—
Fluka-Guarantee:				
Assay		>99.5 %	Sodium (Na)	<0.00005 %
Water (H ₂ O)		<0.01 %	Manganese (Mn)	<0.000005%
Non-volatile parts		<0.01 %	Iron (Fe)	<0.000005%
Free acid (as C ₂ H ₅ COOH)		<0.002 %	Chromium (Cr)	<0.000005%
Aldehyde		passes test	Copper (Cu)	<0.000005%
H ₂ SO ₄ -Test		passes test	Lead (Pb)	<0.000005%
Calcium (Ca)		<0.00005 %	Zinc (Zn)	<0.00001 %
Potassium (K)		<0.000005%	Cadmium (Cd)	<0.000005%
59305	for UV-Spectroscopy	1 lt $\approx$ 0.78 kg	500 ml 12.—	1 lt 22.—
Fluka-Guarantee:				
Layer thickness: 1 cm; Reference cell: water				
Wave length in nm:		220 230 240 250 280		
Transmittance in %:		35 75 90 95 >99		
59306	for pesticide residue analysis; Distilled in Glass; Original packaging of Burdick and Jackson Laboratories Inc.	1 quart $\approx$ 0.95 lt	25.—	
59307	for HPLC; B.P. 83°; n_D^{20} 1.378; UV cut-off 215 nm; solvent strength ϵ (Al ₂ O ₃) 0.82; H ₂ O <0.1%	1 lt $\approx$ 0.78 kg	1 lt 12.—	2.5 lt 26.—
59310	purum >99%(GC); B.P. 80-83°; d_4^{20} 0.785; n_D^{20} 1.377	1 lt $\approx$ 0.78 kg	1 lt 8.—	2.5 lt 16.— 10 lt 45.—
Isopropylamine (2-Aminopropane)				
	3/5; -26°	$(\text{CH}_3)_2\text{CHNH}_2$ $\text{C}_3\text{H}_9\text{N}$ M_r 59.11 [75-31-0]		
59320	puriss. >99.5%(GC); B.P. 32-34°; d_4^{20} 0.688; n_D^{20} 1.374; H ₂ O <0.5%	1 lt $\approx$ 0.69 kg	250 ml 10.—	1 lt 32.—
59330	purum >97%(GC); B.P. 32-35°; d_4^{20} 0.687; n_D^{20} 1.374; H ₂ O <3%	1 lt $\approx$ 0.69 kg	1 lt 13.—	2.5 lt 29.—



				sFr.	sFr.
2-(Isopropylamino)ethanol (N-Isopropylethanolamine)					
59340	3/4; 78°	(CH ₃) ₂ CHNHCH ₂ CH ₂ OH C ₆ H ₁₃ NO M _r 103.17 [109-56-8] purum >98% (GC); B.P. 178°; d ₄ ²⁰ 0.937; n _D ²⁰ 1.449	1 lt ≈ 0.94 kg	100 ml 15. —	500 ml 63. —
2-Isopropylaniline (o-Aminocumene)					
59365		NH ₂ C ₆ H ₄ CH(CH ₃) ₂ C ₉ H ₁₁ N M _r 135.21 [643-28-7] pract. >97% (GC); B.P. 218-222°; d ₄ ²⁰ 0.965; n _D ²⁰ 1.548	1 lt ≈ 0.96 kg	25 ml 21. —	100 ml 75. —
4-Isopropylaniline (p-Aminocumene)					
59367		NH ₂ C ₆ H ₄ CH(CH ₃) ₂ C ₉ H ₁₁ N M _r 135.21 [99-88-7] pract. >98% (GC); B.P. 265-267°; d ₄ ²⁰ 0.950; n _D ²⁰ 1.542	1 lt ≈ 0.95 kg	25 ml 20. —	100 ml 70. —
4-Isopropylbenzaldehyde see 28210 Cuminaldehyde					
Isopropylbenzene see 28220 Cumene					
N-Isopropylbenzylamine see 13490 N-Benzylisopropylamine					
Isopropyl bromide see 59370 2-Bromopropane					
Isopropyl chloride see 59380 2-Chloropropane					
27495	Isopropyl citrate	purum >98% (T); H ₂ O <2% (Citric acid isopropylester) HOC[COOCH(CH ₃) ₂](CH ₂ COOH) ₂ C ₉ H ₁₄ O ₇ M _r 234.21		250 g 20. —	1 kg 70. —
3-Isopropylcumene see 38350 1,3-Diisopropylbenzene					
Isopropylcyanide see 58690 Isobutyronitrile					
Isopropylcyclohexane (2-Cyclohexylpropane; Hexahydrocumene)					
59400	3/4; 78°	CH ₂ (CH ₂) ₄ CHCH(CH ₃) ₂ C ₉ H ₁₈ M _r 126.24 [696-29-7] purum >99% (GC); B.P. 152-155°; d ₄ ²⁰ 0.802; n _D ²⁰ 1.441	1 lt ≈ 0.80 kg	10 ml 15. —	50 ml 63. —
N-Isopropylcyclohexylamine see 29450 N-Cyclohexylisopropylamine					
N-Isopropylethanolamine see 59340 2-(Isopropylamino)ethanol					
Isopropyl ether (Diisopropyl ether)					
38270	3/1a; -29°	(CH ₃) ₂ CHOCH(CH ₃) ₂ C ₆ H ₁₄ O M _r 102.18 [108-20-3] puriss. p.a. redest. B.P. 67-69°; d ₄ ²⁰ 0.72; n _D ²⁰ 1.426	1 lt ≈ 0.72 kg	250 ml 7. —	1 lt 12. — 2.5 lt 26. —
Fluka-Guarantee:					
Assay (GC)		>99.0 %	Manganese (Mn)	<0.000005 %	
Isopropanol (GC)		<0.5 %	Potassium (K)	<0.000005 %	
Peroxide (as H ₂ O ₂)		<0.001 %	Sodium (Na)	<0.000005 %	
Water (H ₂ O)		<0.1 %	Iron (Fe)	<0.00001 %	
Residue on evaporation		<0.002 %	Copper (Cu)	<0.000005 %	
Acide value		0.5 mg KOH/g	Lead (Pb)	<0.000005 %	
Calcium (Ca)		<0.00005 %	Cadmium (Cd)	<0.000005 %	
Chromium (Cr)		<0.000005 %	Zinc (Zn)	<0.00001 %	
38279		purum >98% (GC); B.P. 65-69°; d ₄ ²⁰ 0.725; n _D ²⁰ 1.369; stab. with 0.01% Hydroquinone	1 lt ≈ 0.72 kg	1 lt 10. —	5 lt 37. —
N-Isopropylethylenediamine					
59290	8/35	(CH ₃) ₂ CHNHCH ₂ CH ₂ NH ₂ C ₆ H ₁₄ N ₂ M _r 102.18 [19522-67-9] purum >98% (GC); B.P. 135-137°; d ₄ ²⁰ 0.826; n _D ²⁰ 1.436	1 lt ≈ 0.83 kg	10 ml 25. —	50 ml 105. —
06540	Isopropyl formate	purum ~98% (GC); B.P. 66-69°; d ₄ ²⁰ 0.882; n _D ²⁰ 1.368 3/1a; -6° HCOOCH(CH ₃) ₂ C ₄ H ₈ O ₂ M _r 88.11 [625-55-8]	1 lt ≈ 0.88 kg	100 ml 25. —	500 ml 105. —
Isopropylglycol see 59670 2-Isopropoxyethanol					
N-Isopropylhydroxylamine oxalate					
59438		[(CH ₃) ₂ CHNH ₂] ₂ ·C ₂ H ₂ O ₄ C ₆ H ₁₈ N ₂ O ₂ ·C ₂ H ₂ O ₄ M _r 240.26 [5080-22-8] (free amine) purum >98% (NT); M.P. 159-160° dec.		5 g 50. —	25 g 210. —
59440	2',3'-O-Isopropylideneadenosine	puriss. CHR; >99% (NT); M.P. 220-222° C ₁₃ H ₁₇ N ₆ O ₄ M _r 307.32 [362-75-4]		1 g 8. —	5 g 29. —
cycl-Isopropylidene 2-bromo-2-methylmalonate (5-Bromo-2,2,5-trimethyl-1,3-dioxane-4,6-dione)					
17620	8/23b	CH ₃ C(Br)COOC(CH ₃) ₂ OCO C ₇ H ₈ BrO ₄ M _r 237.06 [34817-42-0] purum >99% (Br); M.P. 85-88°; store in refrigerator; Alkylating agent, homologates a polyenolate with a propionate unit; Selective reagent for the bromination of anions: B.M. Trost, L.S. Melvin Jr., J. Am. Chem. Soc. 98, 1204 (1976)		5 g 24. —	25 g 100. —
Isopropylidene chloride see 36270 2,2-Dichloropropane					



		sFr.	sFr.
29923	cycl-isopropylidene cyclopropane-1,1-dicarboxylate (Cyclopropane-1,1-dicarboxylic acid cycl-isopropylidenester; 6,6-Dimethyl-5,7-dioxaspiro[2.5]octane-4,8-dione) $\text{CH}_2\text{CH}_2\text{C}(\text{COOC}(\text{CH}_3)_2\text{OCO})_2\text{C}_6\text{H}_{10}\text{O}_4$ M_r 170.17 [5617-70-9] puriss. M.P. 64-66°; Highly activated cyclopropane for homoconjugate reactions: L. Fieser, M. Fieser, "Reagents for Organic Synthesis" 6, 216; for the generation of carbonylcyclopropane: L. Fieser, M. Fieser, "Reagents for Organic Synthesis" 6, 96	1 g 13. —	5 g 55. —
14939	4,4'-Isopropylidenediphenol [2,2-Bis(4-hydroxyphenyl)propane; "Bisphenol A"] $(\text{HOC}_6\text{H}_4)_2\text{C}(\text{CH}_3)_2$ $\text{C}_{15}\text{H}_{16}\text{O}_2$ M_r 228.29 [80-05-7] purum >98%(C,H-Analysis); M.P. 156-158°	250 g 8. —	1 kg 25. —
	α,β-Isopropylidene glycerol see 40705 2,2-Dimethyl-4-hydroxymethyl-1,3-dioxolane		
59450	1,2-O-Isopropylidene-D-idurone (1,2-O-Isopropylidene- β -D-idofuranurono-6,3-lactone) $\text{C}_9\text{H}_{12}\text{O}_8$ M_r 216.19 purum M.P. 136-138°; $[\alpha]_{540}^{20} -114 \pm 4^\circ$; $[\alpha]_D^{20} -96 \pm 4^\circ$ (c = 5 in Ethanol)	10 mg 22. —	50 mg 90. —
59537	cycl-isopropylidene isopropylidenemalonate (2,2-Dimethyl-5-isopropylidene-1,3-dioxane-4,6-dione) $(\text{CH}_3)_2\text{C}:\text{C}(\text{COOC}(\text{CH}_3)_2\text{OCO})_2\text{C}_9\text{H}_{12}\text{O}_4$ M_r 184.19 [2231-66-5] purum >98%(C,H-Analysis); M.P. 74-76°; Useful dienophil: W. G. Dauben et al., Tetrahedron Lett. 515 (1975); Review: H. McNab, Chem. Soc. Rev. 7, 345 (1978)	1 g 22. —	5 g 90. —
63395	cycl-isopropylidene malonate (2,2-Dimethyl-1,3-dioxane-4,6-dione; "Meldrum's acid") $(\text{CH}_3)_2\text{COCOCH}_2\text{COO}$ $\text{C}_8\text{H}_8\text{O}_4$ M_r 144.13 [2033-24-1] purum M.P. 92-96°; Review: H. McNab, Chem. Soc. Rev. 7, 345 (1978)	10 g 10. —	50 g 40. —
67765	cycl-isopropylidene methylmalonate (2,2,5-Trimethyl-1,3-dioxane-4,6-dione) $(\text{CH}_3)_2\text{COCOCH}(\text{CH}_3)\text{COO}$ $\text{C}_7\text{H}_{10}\text{O}_4$ M_r 158.10 [3709-18-0] purum M.P. 113-114°; Review: H. McNab, Chem. Soc. Rev. 7, 345 (1978)	5 g 20. —	50 g 85. —
59538	1,2-O-Isopropylidene-3-O-methyl-α-D-xylopentodialdofuranose-(1,4) puriss. $\text{C}_9\text{H}_{14}\text{O}_6$ M_r 202.21 [43138-66-5]	250 mg 29. —	
	N,S-Isopropylidene-L-penicillamine hydrochloride see 76415 L-Penicillamine acetone adduct hydrochloride		
	N,S-Isopropylidene-DL-penicillamine hydrochloride see 76420 DL-Penicillamine acetone adduct hydrochloride		
	(-)-2,3-O-Isopropylidene-L-threitol 1,4-ditosylate see 43880 (-)-1,4-Di-O-tosyl-2,3-O-isopropylidene-L-threitol		
	Isopropyl iodide see 59540 2-Iodopropane		
59541	Isopropyl isocyanate purum >99%(GC); B.P. 73-75°; d_4^{20} 0.868; n_D^{20} 1.384 6.1/2b; -3° $(\text{CH}_3)_2\text{CHNCO}$ $\text{C}_4\text{H}_7\text{NO}$ M_r 85.11 [1795-48-8]	1 lt $\approx$ 0.87 kg	50 ml 20. — 250 ml 85. —
	Isopropyl mercaptan see 59590 2-Propanethiol		
59595	N-Isopropylmethylamine 3/5; -20° $(\text{CH}_3)_2\text{CHNHCH}_3$ $\text{C}_4\text{H}_{11}\text{N}$ M_r 73.14 [4747-21-1] purum >99%(Br); B.P. 50-53°; d_4^{20} 0.702; n_D^{20} 1.384	1 lt $\approx$ 0.70 kg	10 ml 25. — 50 ml 105. —
	1-Isopropyl-4-methylbenzene see 30040 p-Cymene		
	Isopropyl methyl carbinol see 66020 3-Methyl-2-butanol		
	(1S,2S,5R)-2-Isopropyl-5-methylcyclohexanol see 72136 (+)-Neomenthol		
	R(+)-4-Isopropyl-1-methylcyclohexene see 63655 (+)-p-Menth-1-ene		
	(1R,2S,5R)-2-Isopropyl-5-methylcyclohexanol see 63660 (-)-Menthol		
	Isopropyl methyl ketone see 59600 3-Methyl-2-butanone		
	2-Isopropyl-5-methylphenol see 89330 Thymol		
	5-Isopropyl-2-methylphenol see 22051 Carvacrol		
07835	1-Isopropyl-2-methylpropylamine (3-Amino-2,4-dimethylpentane) 3/1a; 20° $(\text{CH}_3)_2\text{CHCH}(\text{NH}_2)\text{CH}(\text{CH}_3)_2$ $\text{C}_7\text{H}_{17}\text{N}$ M_r 115.22 [4083-57-2] purum >99%(GC)	1 lt $\approx$ 0.77 kg	100 ml 40. —
70120	Isopropyl myristate (Myristic acid isopropylester) $\text{CH}_3(\text{CH}_2)_{12}\text{COOCH}(\text{CH}_3)_2$ $\text{C}_{17}\text{H}_{34}\text{O}_2$ M_r 270.46 [110-27-0] pract. $\sim$ 95%(GC); B.P. $_{20}$ 193° (Lit.); d_4^{20} 0.853; n_D^{20} 1.434	1 lt $\approx$ 0.85 kg	250 ml 10. — 1 lt 32. —

			sFr.	sFr.
59640	Isopropyl nitrate purum >98%; B.P. 100-103°; d_4^{20} 1.040; n_D^{20} 1.391 6.1/21; 13° $(CH_3)_2CHONO_2$ $C_3H_7NO_3$ M_r 105.09 [1712-64-7]	1 lt $\approx$ 1.04 kg	500 ml 13.—	2.5 lt 55.—
	4-Isopropylnitrobenzene (p-Nitrocumene) 6.1/21 $(CH_3)_2CHC_6H_4NO_2$ $C_9H_{11}NO_2$ M_r 165.19 [1817-47-6]			
59645	pract. >95% (GC); B.P. 128° (Lit.); d_4^{20} 1.083; n_D^{20} 1.537	1 lt $\approx$ 1.08 kg	50 ml 29.—	250 ml 120.—
	N-Isopropyl-DL-noradrenaline hydrochloride (DL-Isoproterenol hydrochloride) (HO) $_2$ C $_6$ H $_3$ CH(OH)CH $_2$ NHCH(CH $_3$) $_2$ ·HCl $C_{11}H_{17}NO_3$ ·HCl M_r 247.72 [949-36-0]			
59650	purum >98% (Cl); M.P. 165-175° dec.		10 g 11.—	50 g 46.—
76155	Isopropyl palmitate pract. >90% (GC); M.P. 11-13°; d_4^{20} 0.853; n_D^{20} 1.438 CH $_3$ (CH $_2$) $_{14}$ COOCH(CH $_3$) $_2$ $C_{19}H_{38}O_2$ M_r 298.51	1 lt $\approx$ 0.85 kg	1 lt 25.—	5 lt 105.—
	2-Isopropylphenol 6.1/22 $(CH_3)_2CHC_6H_4OH$ $C_9H_{12}O$ M_r 136.20 [88-69-7]			
59720	pract. >98% (GC); M.P. 12-16°; B.P. 212-214° (Lit.); d_4^{20} 0.995; n_D^{20} 1.528	1 lt $\approx$ 0.99 kg	250 ml 14.—	1 lt 50.—
	Isopropyl phenyl ketone see 59730 2-Methyl-1-phenyl-1-propanone			
	4-Isopropyltoluene see 30040 p-Cymene			
	DL-Isoproterenol hydrochloride see 59650 N-Isopropyl-DL-noradrenaline hydrochloride			
	Isopseudocumenol see 92690 2,3,5-Trimethylphenol			
	Isoquinoline 6.1/21 $C_8H_6CH:NCH:CH$ C_9H_7N M_r 129.16 [119-65-3]			
58740	purum >97% (GC); M.P. 23-25°; B.P. 243° (Lit.)	1 lt $\approx$ 1.09 kg	100 ml 18.—	500 ml 75.—
58750	techn. $\sim$ 90% (GC); M.P. 15-20°	1 lt $\approx$ 1.09 kg	250 ml 8.—	1 lt 25.—
	Isosafrole (cis + trans) (1,2-Methylenedioxy-4-propenylbenzene) 6.1/21 CH $_3$ CH:CHC $_6$ H $_3$ OCH $_2$ O $C_{10}H_{10}O_2$ M_r 162.19 [120-58-1]			
59790	pract. $\sim$ 95% (GC); B.P. 235-238°; d_4^{20} 1.116; n_D^{20} 1.577	1 lt $\approx$ 1.12 kg	100 ml 15.—	500 ml 63.—
	Isothiocyanatotrimethylsilane see 92752 Trimethylsilylthiocyanate			
	Isovaleraldehyde (3-Methylbutyraldehyde) 3/1a; -5° $(CH_3)_2CHCH_2CHO$ $C_5H_{10}O$ M_r 86.14 [590-86-3]			
59820	purum $\sim$ 97% (GC); B.P. 91-93°; d_4^{20} 0.797; n_H 1.388; Isovaleric acid <0.7%	1 lt $\approx$ 0.80 kg	100 ml 8.—	500 ml 29.—
	Isovaleric acid (3-Methylbutyric acid) 8/21 $(CH_3)_2CHCH_2COOH$ $C_5H_{10}O_2$ M_r 102.14 [503-74-2]			
59850	purum Ph. Helv.; >98% (GC); B.P. 173-176°; d_4^{20} 0.925; n_D^{20} 1.403	1 lt $\approx$ 0.93 kg	250 ml 11.—	1 lt 38.—
	Isovalerone see 38190 2,6-Dimethyl-4-heptanone			
	Isovaleronitrile (Isobutylcyanide) 6.1/2b; 25° $(CH_3)_2CHCH_2CN$ C_5H_9N M_r 83.14 [625-28-5]			
59910	purum >97% (GC); B.P. 125-129°; d_4^{20} 0.789; n_D^{20} 1.393	1 lt $\approx$ 0.79 kg	10 ml 10.—	50 ml 37.—
	Isovaleryl chloride (3-Methylbutyryl chloride) 8/22; 31° $(CH_3)_2CHCH_2COCl$ C_5H_9ClO M_r 120.58 [108-12-3]			
59890	purum >98% (Cl); B.P. 110-113°; d_4^{20} 0.980; n_D^{20} 1.415	1 lt $\approx$ 0.98 kg	100 ml 15.—	500 ml 63.—
	Isovanillin (3-Hydroxyanisaldehyde; 3-Hydroxy-4-methoxybenzaldehyde) CH $_3$ OC $_6$ H $_3$ (OH)CHO $C_8H_8O_3$ M_r 152.15 [621-59-0]			
59930	purum >99% (NT); M.P. 113-116°		50 g 20.—	250 g 85.—
59940	pract. $\sim$ 97% (NT); M.P. 108-112°		100 g 20.—	500 g 85.—
	Isovanillyl alcohol see 55560 3-Hydroxy-4-methoxybenzyl alcohol			
59945	Isoxanthopterin puriss. CHR (2-Amino-4,7-dihydroxypteridine) $C_8H_6N_4O_2$ M_r 179.14 [529-69-1]		100 mg 20.—	500 mg 85.—
59950	Itaconic acid puriss. >99% (T); M.P. 165-167°; Ash <0.05% (Methylenesuccinic acid) HOOCCH $_2$ C(:CH $_2$)COOH $C_5H_6O_4$ M_r 130.10 [97-65-4]		250 g 8.—	1 kg 25.—
59960	Itaconic anhydride purum >97% (NT); M.P. 66-68° COCH $_2$ C(:CH $_2$)COO $C_5H_4O_3$ M_r 112.09 [2170-03-8]		25 g 12.—	100 g 40.—
59990	Juglone purum cryst. M.P. $\sim$ 155° (5-Hydroxy-1,4-naphthoquinone) HO $_2$ C $_6$ H $_3$ COCH:CHCO $C_{10}H_6O_3$ M_r 174.16 [481-39-0]		1 g 22.—	5 g 90.—

					sFr.	sFr.
59992	C₁₆-Juvenile Hormone (trans,trans-10,11-Epoxy-3,7,11-trimethyl-2,6-dodecadienic acid methyl ester; Manduca Hormone) C ₁₆ H ₃₀ O ₃ M _r 266.38 [24198-95-6] purum				100 mg 160. —	
59993	C₁₈-Juvenile Hormone (Cecropia Juvenilhormone; 3,11-Dimethyl-10,11-epoxy-7-ethyl-2,6-tridecadienic acid methylester; Roeller Juvenilhormone) C ₁₈ H ₃₀ O ₃ M _r 294.42 [23314-84-3] purum Mixture of Stereoisomers JH-1				10 mg 160. —	
60000	Kaempferide purum M.P. 224-229°; H ₂ O 3-7% (4'-Methoxy-3,5,7-trihydroxyflavone) 5,7-(HO) ₂ C ₆ H ₄ OC(C ₆ H ₄ -4-OCH ₃):C(OH)CO C ₁₆ H ₁₂ O ₆ M _r 300.27 [491-54-3]				10 mg 60. —	50 mg 250. —
60010	Kaempferol (Robigenin; 3,4',5,7-Tetrahydroxyflavone) (HO) ₂ C ₆ H ₂ COC(OH):C(C ₆ H ₄ OH)O C ₁₅ H ₁₀ O ₆ M _r 286.24 [520-18-3] puriss. M.P. 281-283° dec.; H ₂ O ~1%				25 mg 21. —	100 mg 75. —
60609	Kaolin (Bolus)				1 kg 7. —	2.5 kg 13. —
60611	Karl-Fischer-Reagent KFR Fluka for the quantitative determination of water 3/5; 12° Titer: 1 ml KFR Fluka titrates ~4 mg water Solutions I: II/3:7					Set a 700 ml 30. —
60613	Solution I: Pyridine sulfurdioxide solution	1 lt ≈ 1.08 kg			250 ml 8. —	1 lt 25. —
60614	Solution II: Methanolic iodine solution	1 lt ≈ 0.90 kg			250 ml 8. —	1 lt 25. —
60620	Karl-Fischer-Reagent KFR Fluka stabilized ready for use 3/5; 12° (Leaflet available on request) Titration: 1 ml KFR Fluka stabilized titrates 5-6 mg water	1 lt ≈ 1.15 kg			250 ml 10. —	1 lt 32. —
60690	Keratin pract.				100 g 20. —	
60710	Kerosene purum B.P. 200-245°; d ₄ ²⁰ 0.77-0.80; n _D ²⁰ 1.434 3/4; 70°	1 lt ≈ 0.80 kg	1 lt 9. —		5 lt 32. —	25 lt 80. —
	Ketene dimer see 38481 Diketene					
	Keto... see also Oxo...					
	α-Ketoglutaric acid see 75890 2-Oxoglutaric acid					
	α-Ketoglutaric acid Calcium salt see 75891 2-Oxoglutaric acid Calcium salt					
	α-Ketoglutaric acid mono Sodium salt see 75893 2-Oxoglutaric acid mono Sodium salt					
	α-Ketoisovaleric acid Sodium salt see 68253 3-Methyl-2-oxobutyric acid Sodium salt					
	Ketomalonic acid see 63980 Mesoxlic acid hydrate					
60720	Ketone Moschus (4-tert-Butyl-2,6-dimethyl-3,5-dinitroacetophenone) (CH ₃) ₃ CC ₆ (CH ₃) ₂ (NO ₂) ₂ COCH ₃ C ₁₄ H ₁₈ N ₂ O ₅ M _r 294.31 [81-14-1] puriss. ~99%(N); M.P. 134-137°				100 g 25. —	500 g 105. —
	Kharasch Reagent see 42010 2,4-Dinitrobenzenesulfenyl chloride					
60730	Khellin purum M.P. 148-150° (4,9-Dimethoxy-7-methylfuro[3,2-g][1]benzopyran-5-one) C ₁₄ H ₁₂ O ₅ M _r 260.25 [82-02-0]				10 g 20. —	50 g 85. —
60779	Kieselguhr purified, calcinated (see also Chromosorb®) purum p.a. DAB; residue on ignition: 0.2%; Iron (Fe) 0.05%; Lead (Pb) 0.005%; Chloride (Cl) 0.01%; Sulfate (SO ₄) 0.01%; Copper (Cu) <0.005%; Zinc (Zn) <0.005%; soluble parts in 25% Hydrochloric acid: 1%				1 kg 7. —	
	Kinetin see 48130 6-Furfurylaminopurine					
60890	Kojic acid pract. ~95%(T); M.P. 152-155° (5-Hydroxy-2-hydroxymethyl-4-pyranone) QCH:C(OH)COCH:CH ₂ OH C ₆ H ₆ O ₄ M _r 142.11 [501-30-4]				25 g 29. —	100 g 105. —
	Koshland I see 56011 2-Hydroxy-5-nitrobenzyl bromide					
	Koshland II see 65135 2-Methoxy-5-nitrobenzyl bromide					
	Koshland III see 16085 2-(Bromoacetamido)-4-nitrophenol					
	Kryolith see 61136 and 61138 Cryolite					
	Kryptofix® 222 see 52910 4,7,13,16,21,24-Hexaoxa-1,10-diazabicyclo[8.8.8]hexacosane					
	"Kunz"-Reagent see 23260 2-(Triphenylphosphonio)ethyl chloroformate chloride					



			sFr.	sFr.
	Kynurenic acid Monohydrate (4-Hydroxyquinoline-2-carboxylic acid Monohydrate) $C_8H_4N:C(COOH)CH:COH \cdot H_2O$ $C_{10}H_7NO_3 \cdot H_2O$ M_r 207.19 [492-27-3]			
61260	purum >98% (T); M.P. $\sim 280^\circ$ dec.		1 g 10.—	5 g 37.—
61250	DL-Kynurenine purum <1% Ash [2-Amino-3-(2-aminobenzoyl)propionic acid] $NH_2C_6H_4COCH_2CH(NH_2)COOH$ $C_{10}H_{12}N_2O_3$ M_r 208.22 [343-65-7]		250 mg 18.—	1 g 65.—
61300	Lactalbumine Hydrolysate enzymat. powder Ash <5%; H_2O <4%		100 g 10.—	500 g 37.—
	Lactalbumine Hydrolysate soluble			
61302	enzymat.; Ash <5%; H_2O <3%; 1 g clearly soluble in 10 ml water		100 g 10.—	500 g 37.—
	Lactate Dehydrogenase ex Bovine heart (Lactic dehydrogenase; L-LDH; L-LDH-M) (EC 1.1.1.27) [9001-60-9]			
61310	p.a. Suspension in 50% Ammoniumsulfate; for the Determination of Pyruvic acid in Blood (Diabetes); store in refrigerator		100 mg (10 ml)	105.—
69812	Lactic acid Aluminum salt pract. $[CH_3CH(OH)COO]_3Al$ $C_9H_{15}AlO_9$ M_r 294.20 [18917-91-4]		25 g 12.—	100 g 40.—
	L(+) -Lactic acid (2-Hydroxypropionic acid) $CH_3CH(OH)COOH$ $C_3H_6O_3$ M_r 90.08 [79-33-4]			
69773	purum Ph. Helv.; $\sim 90\%$; Rest water	1 lt ≈ 1.20 kg	250 ml 8.—	1 lt 22.—
69780	purum 40% in water		1 lt ≈ 1.09 kg	250 ml 7.—
69782	purum 20% in water		1 lt ≈ 1.05 kg	1 lt 12.—
	L(+) -Lactic acid Calcium salt see 21185 Calcium L(+) -lactate			
	Lactic acid Lithium salt see 62552 Lithium lactate			
	Lactic acid Silver salt see 85210 Silver lactate			
	L-Lactic acid Sodium salt (Sodium L-lactate) $CH_3CH(OH)COONa$ $C_3H_5NaO_3$ M_r 112.06 [867-56-1]			
71718	purum >99% (NT); $[\alpha]_{540}^{20} - 14 \pm 0.5^\circ$; $[\alpha]_D^{20} - 12 \pm 0.5^\circ$ (c = 1 in water)		10 g 16.—	50 g 67.—
	DL-Lactic acid Sodium salt (Sodium DL-lactate) $CH_3CH(OH)COONa$ $C_3H_5NaO_3$ M_r 112.06 [312-85-6]			
71720	purum >98% (NT)		5 g 21.—	50 g 90.—
71723	purum 50% in water; d_4^{20} 1.270	1 lt ≈ 1.27 kg	1 lt 18.—	5 lt 75.—
	Lactic dehydrogenase see 61310 Lactate dehydrogenase			
	Lactobionic acid (4-O- β -D-Galactopyranosyl-D-gluconic acid) $C_{12}H_{22}O_{12}$ M_r 358.30 [96-82-2]			
61321	puriss. >99% (T); M.P. 128-130°; $[\alpha]_{540}^{20,24h} + 28 \pm 1^\circ$; $[\alpha]_D^{20,24h} + 23 \pm 1^\circ$ (c = 3 in water); Ash <0.05%		25 g 18.—	100 g 65.—
	Lactobionic acid Calcium salt see 21190 Calcium lactobionate			
	Lactoflavin see 95170 Vitamin B ₂			
	DL-Lactonitrile (Acetaldehyde cyanohydrin; 2-Hydroxypropionitrile) 6.1/21; 77° $CH_3CH(OH)CN$ C_3H_5NO M_r 71.08 [42492-95-5]			
69830	techn. $\sim 90\%$ (T); B.P. $\sim 90^\circ$ (Lit.); d_4^{20} 0.996; n_D^{20} 1.396	1 lt ≈ 1.00 kg	25 ml 10.—	100 ml 32.—
	D(+) -Lactose Monohydrate (4-O- β -D-Galactopyranosyl-D-glucose; Milk Sugar) $C_{12}H_{22}O_{11} \cdot H_2O$ M_r 360.32 [10039-26-6]			
61340	puriss. p.a. Ph. Eur.; $[\alpha]_{540}^{20,22h} + 61.0 \pm 1^\circ$; $[\alpha]_D^{20,22h} + 52.5 \pm 1^\circ$ (c = 4.5 in water); 1 g clearly and colourless soluble in 10 ml water	250 g 7.—	1 kg 14.—	2.5 kg 31.—
	Fluka-Guarantee:			
	Residue on ignition (as SO ₄) <0.1 %	Zinc (Zn)	<0.0001 %	
	Chloride (Cl) <0.005 %	Iron (Fe)	<0.0005 %	
	Sulfate (SO ₄) <0.005 %	Cobalt (Co)	<0.0001 %	
	Copper (Cu) <0.0001 %	Nickel (Ni)	<0.0001 %	
	Lead (Pb) <0.0001 %	Arsenic (As)	<0.00001 %	
	Cadmium (Cd) <0.0001 %			
	Lactulose (4-O- β -D-Galactopyranosyl-D-fructose) $C_{12}H_{22}O_{11}$ M_r 342.30 [4618-18-2]			
61360	puriss. cryst. M.P. 167-169° dec.; $[\alpha]_{540}^{20} - 57 \pm 2^\circ$; $[\alpha]_D^{20} - 49 \pm 2^\circ$ (c = 1 in water)	5 g 8.—	10 g 25.—	25 g 31.—
	Lanadigigenin see 37090 Digoxigenin			



			sFr.	sFr.
61450	Lanthanum puriss. 99.5% + 0.1% Pr + 0.01% Ce La A _r 138.91 [7439-91-0]		5 g 13.—	25 g 55.—
61461	Lanthanum acetate purum ~90%(T); H ₂ O ~10% (CH ₃ COO) ₃ La.aq C ₆ H ₉ LaO ₆ .aq M _r 316.04 + aq [917-70-4]		100 g 22.—	500 g 90.—
61470	Lanthanum carbonate purum ~95%(T) La ₂ (CO ₃) ₃ .aq C ₃ La ₂ O ₆ .aq M _r 457.85 + aq [54451-24-0]		100 g 22.—	500 g 90.—
61490	Lanthanum chloride puriss. p.a. from La 99.9% cryst. LaCl ₃ .7H ₂ O Cl ₃ La.7H ₂ O M _r 371.38 [10025-84-0] Fluka-Guarantee: Assay >99.0 % Zinc (Zn) <0.0005% Sulfate (SO ₄) <0.005 % Calcium (Ca) <0.001 % Copper (Cu) <0.0005% Sodium (Na) <0.0005% Lead (Pb) <0.0005% Potassium (K) <0.0005% Iron (Fe) <0.0005% Magnesium (Mg) <0.0005%	25 g 7.—	100 g 18.—	500 g 75.—
61500	Lanthanum fluoride puriss. from La 99.9% LaF ₃ F ₃ La M _r 195.90 [13709-38-1]		100 g 30.—	
61503	Lanthanum fluoride (Coating quality BALZERS) 99.9% in Tablets LaF ₃ F ₃ La M _r 195.90		100 g 125.—	
61510	Lanthanum hydroxide puriss. from La 99.9% La(OH) ₃ H ₃ LaO ₃ M _r 189.93 [14507-19-8]		100 g 30.—	
61520	Lanthanum nitrate puriss. p.a. M.P. 65-68° La(NO ₃) ₃ .aq LaN ₃ O ₉ .aq M _r 324.92 + aq [10099-59-9] Fluka-Guarantee: Assay >99.0 % Zinc (Zn) <0.0005% Chloride (Cl) <0.005 % Calcium (Ca) <0.0005% Sulfate (SO ₄) <0.005 % Sodium (Na) <0.0005% Copper (Cu) <0.0005% Potassium (K) <0.0005% Lead (Pb) <0.0005% Magnesium (Mg) <0.0005% Iron (Fe) <0.0005%	25 g 7.—	100 g 20.—	500 g 85.—
61550	Lanthanum oxide puriss. >99.98% + <20 ppm Pr ₆ O ₁₁ + Na ₂ O ₃ La ₂ O ₃ M _r 325.82 [1312-81-8]		100 g 18.—	500 g 75.—
61570	Lanthionine (3,3'-Thiodialanine) HOOCCH(NH ₂)CH ₂ SCH ₂ CH(NH ₂)COOH C ₆ H ₁₂ N ₂ O ₄ S M _r 208.24 [3183-08-2] purum >97%(NT); M.P. 287-291° dec.; mixture of stereoisomers		100 mg 8.—	1 g 55.—
61580	DL-Laudanosine purum M.P. 114-116° 6.1/81e (CH ₃ O) ₂ C ₆ H ₂ CH ₂ CH ₂ N(CH ₃)CHCH ₂ C ₆ H ₃ (OCH ₃) ₂ C ₂₁ H ₂₇ NO ₄ M _r 357.45 [20412-65-1]		1 g 32.—	
	Laurens acid see 70800 1-Naphthylamine-5-sulfonic acid			
61600	Lauro lactam (12-Aminododecanoic acid lactam; Aza-2-cyclotridecanone) CH ₂ (CH ₂) ₁₀ CONH C ₁₂ H ₂₃ NO M _r 197.32 [947-04-6] purum >98%(N); M.P. 149-151°		250 g 14.—	1 kg 50.—
61609	Lauric acid (Carboxylic acid C ₁₂ ; Dodecanoic acid) CH ₃ (CH ₂) ₁₀ COOH C ₁₂ H ₂₄ O ₂ M _r 200.32 [143-07-7] puriss. Standard for GC; >99.5%(GC); M.P. 44.5-45°		5 g 21.—	
61610	puriss. >99%(GC); M.P. 44-45°		100 g 11.—	500 g 44.—
61620	purum ~98%(GC); M.P. 43-44.5°		1 kg 25.—	5 kg 105.—
61720	Lauronitrile (Nitrile C ₁₂ ; Undecyl cyanide) 6.1/21 CH ₃ (CH ₂) ₁₀ CN C ₁₂ H ₂₃ N M _r 181.32 [2437-25-4] pract. ~95%(GC); B.P. ₁₀₀ 198° (Lit.); d ₄ ²⁰ 0.824; n _D ²⁰ 1.436	1 lt ≈ 0.82 kg	250 ml 29.—	
61660	Lauroyl chloride (Dodecanoyl chloride) 8/22 CH ₃ (CH ₂) ₁₀ COCl C ₁₂ H ₂₃ ClO M _r 218.77 [112-16-3] puriss. >99%(GC); M.P. -12--10°; B.P. ₁₀ 140-142°; d ₄ ²⁰ 0.921; n _D ²⁰ 1.445	1 lt ≈ 0.92 kg	100 ml 15.—	500 ml 63.—
61670	purum ~98%(GC); M.P. -13--10°; d ₄ ²⁰ 0.922; n _D ²⁰ 1.445	1 lt ≈ 0.92 kg	250 ml 20.—	1 lt 70.—
61740	Lauroyl peroxide purum ~97%(RT); M.P. 53-55° (Dilauroyl peroxide) 5.2/a11 [CH ₃ (CH ₂) ₁₀ CO] ₂ O ₂ C ₂₄ H ₄₆ O ₄ M _r 398.63 [105-74-8]		100 g 15.—	500 g 63.—



sFr.

sFr.

Lauryl acrylate see 01787 Dodecyl acrylate**Lauryl alcohol** see 44100 1-Dodecanol**Laurylamine** see 44170 Dodecylamine**Lauryl bromide** see 16960 1-Bromododecane**Lauryl chloride** see 24490 1-Chlorododecane

48660	Lauryl gallate purum >99% (HPLC); M.P. 96-97°; Antioxidant (HO) ₃ C ₆ H ₂ COO(CH ₂) ₁₁ CH ₃ C ₁₉ H ₃₀ O ₈ M _r 338.45 [1166-52-5]	50 g 16.—	250 g 67.—
-------	---	-----------	------------

Laurylmercaptan see 44130 1-Dodecanethiol

64151	Lauryl methacrylate (Dodecyl methacrylate) CH ₂ :C(CH ₃)COO(CH ₂) ₁₁ CH ₃ C ₁₆ H ₃₀ O ₂ M _r 254.42 [142-90-5] techn. ~95% (GC); d ₄ ²⁰ 0.873; n _D ²⁰ 1.445; stab. with 0.01% Hydroquinone-monomethyl ether	1 lt ≈ 0.87 kg	250 ml 11.—	1 lt 38.—
-------	---	----------------	-------------	-----------

Lauthes Violet see 88930 Thionine**L-LDH** see 61310 Lactate Dehydrogenase**Lead**Pb A_r 207.19 [7439-92-1]

15300	puriss. 99.9995%, Bars; for electronic use; Ag <0.2 ppm; Bi <1 ppm	25 g 24.—	100 g 90.—
15301	puriss. 99.9995%; Sticks, for electronic use; Ag <0.2 ppm; Bi <1 ppm	25 g 24.—	100 g 90.—
15310	puriss. >99.999%	100 g 35.—	500 g 145.—
15308	purum powder	500 g 12.—	1 kg 22.—
15309	purum granulated	500 g 12.—	1 kg 22.—

Lead (Coating quality BALZERS)

15312	99.999%; Mesh size 1.5-3.5 mm	100 g 40.—	500 g 160.—
15313	99.5%; Mesh size 0.2-0.7 mm	500 g 40.—	

Lead Ion Standard Solution FLUKA

15314	1.000 g Lead/Liter/20°C; prepared from Pb(NO ₃) ₂ ; pH 1.5 adjusted with HNO ₃	1 lt ≈ 1.00 kg	500 ml 18.—
-------	---	----------------	-------------

15317	Lead(II) acetate basic anhydrous purum p.a. 6.1/72 (CH ₃ COO) ₂ Pb.Pb(OH) ₂ C ₄ H ₆ O ₄ Pb.H ₂ O ₂ Pb M _r 566.50 [301-04-2]	500 g 10.—	1 kg 18.—
-------	--	------------	-----------

Fluka-Guarantee:

Assay (as Pb)	>72.0 %	Iron (Fe)	<0.005%
Chloride (Cl)	<0.005%	Zinc (Zn)	<0.005%
Copper (Cu)	<0.005%	Calcium (Ca)	<0.005%

**Lead(II) acetate Trihydrate**6.1/72 Pb(CH₃COO)₂·3H₂O C₄H₆O₄Pb·3H₂O M_r 379.33 [6080-56-4]

15319	puriss. p.a. M.P. 60-63°	250 g 10.—	1 kg 35.—
-------	--------------------------	------------	-----------

Fluka-Guarantee:

Assay (Perchloric acid titration)	>99.0 %	Iron (Fe)	<0.001%
Chloride (Cl)	<0.0005%	Calcium (Ca)	<0.005%
Total nitrogen (N)	<0.0004%	Sodium (Na)	<0.005%
Copper (Cu)	<0.001 %	Potassium (K)	<0.005%



15320	purum Ph. Helv.; M.P. 57-59°	1 kg 14.—	5 kg 60.—
-------	------------------------------	-----------	-----------

Fluka-Guarantee:

Assay	>98.0 %	Iron (Fe)	<0.005%
Chloride (Cl)	<0.005%	Zinc (Zn)	<0.005%
Copper (Cu)	<0.005%	Calcium (Ca)	<0.005%



15323	Lead(II) carbonate basic purum p.a.	1 kg 15.—	
-------	--	-----------	--

6.1/72 (PbCO₃)₂·Pb(OH)₂

Fluka-Guarantee:

Assay (as Pb)	~80.0 %	Iron (Fe)	<0.005%
Copper (Cu)	<0.005%	Zinc (Zn)	<0.005%



15325	Lead(II) chloride purum p.a. 6.1/72 PbCl ₂ Cl ₂ Pb M _r 278.10 [7758-95-4]	500 g 9.—	1 kg 15.—
-------	--	-----------	-----------

Fluka-Guarantee:

Assay	>98.0 %	Zinc (Zn)	<0.005%
Copper (Cu)	<0.005%	Calcium (Ca)	<0.005%
Iron (Fe)	<0.005%		



				sFr.	sFr.
15326	tri-Lead(II) dicitrate Trihydrate purum for Electron Microscopy 6.1/72 $(C_6H_8O_7)_3Pb_3 \cdot 3H_2O$ $C_{12}H_{10}O_{14}Pb_3 \cdot 3H_2O$ M_r 1053.83 [512-26-5]			25 g 8.—	100 g 25.—
	Lead diethyldithiocarbamate (Diethyldithiocarbamic acid Lead salt) 6.1/81d $[(C_2H_5)_2NCSS]_2Pb$ $C_{10}H_{20}N_2PbS_4$ M_r 503.73 [17549-30-3]				
15331	p.a. ~98% (C, H, N-Analysis); for Cu-determination; Z. anal. Chem. 155, 23 (1957)			50 g 24.—	250 g 100.—
15330	Lead(II) fluoride purum 6.1/72 PbF_2 F_2Pb M_r 245.19 [7783-46-2]			500 g 20.—	
15332	Lead fluoride (Coating quality BALZERS) 99.99%; Mesh size 0.7-3.5 mm 6.1/72			10 g 28.—	100 g 205.—
15335	Lead(II) nitrate purum p.a. 5.1/7c $Pb(NO_3)_2$ N_2O_5Pb M_r 331.20 [10099-74-8]			500 g 9.—	1 kg 16.—
	Fluka-Guarantee: Assay >98.0 % Iron (Fe) <0.005% Chloride (Cl) <0.005% Zinc (Zn) <0.005% Copper (Cu) <0.005% Calcium (Ca) <0.005%				
15338	Lead(II) oxide yellow puriss. 6.1/72 PbO OPb M_r 223.19 [1317-36-8]			1 kg 10.—	5 kg 40.—
15340	Lead(IV) oxide purum p.a. (Lead[su]peroxide) 5.1/9b PbO_2 O_2Pb M_r 239.19 [1309-60-0]			250 g 8.—	1 kg 25.—
	Fluka-Guarantee: Assay >98.0 % Copper (Cu) <0.01 % Chloride (Cl) <0.01 % Iron (Fe) <0.02 % Sulfate (SO_4) <0.005% Zinc (Zn) <0.005%				
15341	Lead(IV) oxide (Coating quality BALZERS) 99.7%; Tablets 5.1/9b			10 g 20.—	100 g 125.—
15350	Lead perchlorate purum ~50% in water; d_4^{20} 1.57 5.1/9b $Pb(ClO_4)_2 \cdot aq$ $Cl_2O_9Pb \cdot aq$ M_r 460.17 + aq [13637-76-8]	1 lt $\approx$ 1.57 kg		100 ml 15.—	500 ml 50.—
	Lead peroxide see 15340 Lead(IV) oxide				
15365	Lead rhodanide purum >98%(T) (Lead sulfocyanide; Lead thiocyanate) 6.1/31a $Pb(SCN)_2$ $C_2N_2PbS_2$ M_r 323.35 [592-87-0]			100 g 12.—	500 g 50.—
	Lead Sodium alloy see 71307 Sodium Lead alloy				
15366	Lead(II) sulfide pract. >95%(T) PbS M_r 239.26 [1314-87-0]			100 g 16.—	
	Lead sulfocyanide see 15365 Lead rhodanide				
15367	Lead(II) tartrate purum p.a. 6.1/72 $C_4H_4O_6Pb$ M_r 355.26 [815-84-9]			25 g 10.—	100 g 35.—
	Fluka-Guarantee: Assay >98.0 % Iron (Fe) <0.005% Chloride (Cl) <0.005% Zinc (Zn) <0.005% Sulfate (SO_4) <0.005% Calcium (Ca) <0.01 % Copper (Cu) <0.005%				
15368	Lead telluride (Coating quality BALZERS) 99.99%; Mesh size 0.7-3.5 mm 6.1/72			10 g 38.—	100 g 255.—
	Lead tetracetate 6.1/72 $Pb(CH_3COO)_4$ $C_8H_{12}O_8Pb$ M_r 443.37 [546-67-8]				
15370	purum p.a.; may contain up to 15% acetic acid, very sensitive to moisture			100 g 18.—	500 g 75.—
	Lead thiocyanate see 15365 Lead rhodanide				
	Lecithin from eggs 61755 DAB ~60% phosphatidylcholine; saturated fatty acids ~50%; Iodine value 63-67; H_2O <1%; unsaturated fatty acids ~50%; store in refrigerator			25 g 10.—	100 g 32.—



		sFr.	sFr.
	Lectin from Canavalia Ensiformis, Con A (Concanavalin A from Jack Bean) $E_{1\%, 1\text{ cm}}^{280\text{ nm}} = 11.4$ (pH 7.2) M_r 110000 (tetramer at pH 7.2), 55000 (dimer at pH 4.5)		
61760	Lyophilized powder; store in refrigerator; Tetrameric metalloprotein (4 Ca^{2+} and 4 Mn^{2+} ions per molecule), highly purified by affinity chromatography. Homogenous in ultracentrifugation and polyacrylamide gel electrophoresis (with SDS). Free of carbohydrates, cystine and cysteine residues and sodium chloride. Agglutinates erythrocytes, lymphocytes and transformes cells; potent mitogen. Affinity for α -D-glucose and α -D-mannose	100 mg	22. —
	Lectin from Canavalia Ensiformis modified with Fluoresceinisoithiocyanate, FITC-Con A (FITC-Concanavalin A)		
61761	Lyophilized powder; saltfree; store in refrigerator; Highly purified FITC-labelled metalloprotein, prepared by the reaction of fluoresceinisoithiocyanate with Con A (Fluka 61760)	5 mg	63. —
	Lectin from Glycine Max, SBA (Soyabean Agglutinin) $E_{1\%, 1\text{ cm}}^{280\text{ nm}} = 11.4$ (pH 7.2) M_r 120000 (tetramer over a wide range of pH)		
61763	Lyophilized powder; Tetrameric glycoprotein (neutral carbohydrates: 4.5%, 9 residues of mannose amino sugars: 1.5%, 2 residues of N-Acetyl-glucosamine). Structure of carbohydrate unit: H. Lis and N. Sharon, J. Biol. Chem. 253, 3468 (1978). Highly purified by affinity and ion exchange chromatography. Homogenous in polyacrylamide gel electrophoresis. Free of cystine and cysteine residues and glycosylhydrolasic activity. Agglutination of red blood cells (specificity for human blood groups: A>O>B), cell membrane fixation, vesicle isolation and mitogenic activity of its polimeric form (no mitogenic activity of the native tetramer).	5 mg	50. —
	Lectin from Phaseolus Vulgaris, PHA-ELS (Phyto-Haemagglutinin from Kidney Bean) Isoelectric point: ~ 5.5 ; $E_{1\%, 1\text{ cm}}^{280\text{ nm}} = 12.0$ (pH 7.2)		
61764	Lyophilized powder; store in refrigerator; Mixture of 5 isolectins, purified by affinity and ion exchange chromatography. Homogenous in ultracentrifugation and immunoelctrophoresis. Erythroagglutinating ($< 5\text{ }\mu\text{g/ml}$) and lymphostimulating ($1\text{--}5\text{ }\mu\text{g/ml}$) activity. Affinity for N-acetylglucosamine and oligosaccharides containing Gal-GlcNAc-Man sequences.	5 mg	90. —
	Lectin from Phaseolus Vulgaris, PHA-C (Phyto-Haemagglutinin from Kidney Bean)		
61765	Lyophilized powder; 17% of total protein with Sodium chloride; store in refrigerator; Lectin extract consisting of isolectins which are responsible for the erythroagglutinating and lymphostimulating activity. Special preparation for the caryotype determination of total blood (200 mg of lyophilized powder are reconstituted in 5 ml of distilled water, sterile or pyrogen-free, to obtain an isotonic solution of neutral pH). Induces mitosis in human leucocytes and allows fine analysis of chromatide structures.	Ampouls with 200 mg	45. —
	Lectin from Phaseolus Vulgaris, PHA-LS (Leucoagglutinin from Kidney Bean) Isoelectric point: 5.2; $E_{1\%, 1\text{ cm}}^{280\text{ nm}} = 12.0$ (pH 7.0) M_r 128000 (tetramer), 32000 (monomer)		
61766	Lyophilized powder; store in refrigerator; Tetrameric glycoprotein. Lymphostimulating isolectin highly purified by affinity chromatography. Homogenous in ultracentrifugation, gel filtration chromatography and polyacrylamide gel electrophoresis. Free of cystine and cysteine residues. Free of erythroagglutinating and glycosidasic activity. Stimulates growth and division of lymphocytes. Affinity for N-Acetyl-D-glucosamine.	5 mg	230. —
	Lectin from Triticum Vulgare, WGA (Wheat Germ Agglutinin) Isoelectric point: 8.5; $E_{1\%, 1\text{ cm}}^{280\text{ nm}} = 15.0$ (pH 7.2) M_r 36000 (dimer at pH 7.2), 18000 (monomer at pH 1.9)		
61767	Lyophilized powder; store in refrigerator; Mixtures of 3 isolectins, highly purified by ion exchange and affinity chromatography. Homogenous in ultracentrifugation, molecular screening chromatography and polyacrylamide gel electrophoresis (with mercaptoethanol and SDS). Free of lipids, neutral carbohydrates and amino sugars. Free of glycosidasic activity. Unspecific hemagglutination: I. J. Goldstein et al., Biochim. Biophys. Acta 405, 53 (1975). Affinity for N-acetyl-D-glucosamine and oligosaccharides of chitin and bacterial walls (GlcNAc β 1-4MurNAc).	5 mg	46. —
	Lepidine (4-Methylquinoline) 6.1/21 $\text{C}_9\text{H}_9\text{N}$: $\text{CHCH}:\text{CCH}_3$ $\text{C}_{10}\text{H}_9\text{N}$ M_r 143.19 [491-35-0]		
61810	pract. $> 97\%$ (GC); B.P. 260-263°; d_4^{20} 1.083; n_D^{20} 1.620	1 lt $\approx$ 1.08 kg	5 ml 11. — 25 ml 46. —

		sFr.	sFr.
L-Leucine (2-Amino-4-methyl-n-valeric acid)			
	(CH ₃) ₂ CHCH ₂ CH(NH ₂)COOH C ₆ H ₁₃ NO ₂ M _r 131.18 [61-90-5]		
61820	puriss. p.a. [α] ₅₄₀ ²⁰ + 18.5±0.5°; [α] _D ²⁰ + 14.8±0.5° (c = 5 in 5n HCl)	25 g 8. —	100 g 22. — 500 g 90. —
	Fluka-Guarantee:		
	Assay >99.0%	Ammonium (NH ₄) <0.01 %	
	Other amino acids <0.3 %	Copper (Cu) <0.0001%	
	Loss on drying <0.1 %	Lead (Pb) <0.0001%	
	Residue on ignition <0.1 %	Iron (Fe) <0.0005%	
	Chloride (Cl) <0.01%	Zinc (Zn) <0.0001%	
	Sulfate (SO ₄) <0.01%	Cadmium (Cd) <0.0001%	
61830	D-Leucine puriss. CHR; >99%(NT); [α] ₅₄₀ ²⁰ - 18.5±1°; [α] _D ²⁰ - 14.8±1° (c = 5 in 5n HCl) (CH ₃) ₂ CHCH ₂ CH(NH ₂)COOH C ₆ H ₁₃ NO ₂ M _r 131.18 [328-38-1]	1 g 8. —	5 g 26. —
61840	DL-Leucine puriss. CHR; ~99%(NT); M.P. ~295° dec.; Ash <0.05% (CH ₃) ₂ CHCH ₂ CH(NH ₂)COOH C ₆ H ₁₃ NO ₂ M _r 131.18 [328-39-2]	25 g 14. —	100 g 50. —
	Leucine Aminopeptidase , LAP ex hog kidney [Aminopeptidase (Cytosol)](EC 3.4.11.1) [9001-61-0]		
61860	purum lyophilized; Suspension in 70% Ammoniumsulfate-solution, contains Tris-Buffer and Magnesium chloride >100 U/mg Protein (1 U = That amount of Leucine aminopeptidase which hydrolyzes 1 Micromole L-Leucinamide per minute at 25°C and pH 8.5)	1 mg 30. —	10 mg 240. —
	L-Leucine benzyl ester toluene-4-sulfonate (CH ₃) ₂ CHCH ₂ CH(NH ₂)COOCH ₂ C ₆ H ₅ .OSO ₂ C ₆ H ₄ CH ₃ C ₁₃ H ₁₉ NO ₂ .C ₇ H ₈ O ₃ S M _r 393.51 [1738-77-8]		
61872	puriss. M.P. 157-158°; [α] ₅₄₀ ²⁰ + 6.3±0.3°; [α] _D ²⁰ + 5.0±0.3° (c = 2 in DMF)	5 g 32. —	
	L-Leucine tert-butyl ester Dibenzenesulfimide salt (CH ₃) ₂ CHCH ₂ CH(NH ₂)COOC(CH ₃) ₃ .C ₁₂ H ₁₁ NO ₄ S ₂ C ₁₀ H ₂₁ NO ₂ .C ₁₂ H ₁₁ NO ₄ S ₂ M _r 484.64 [21691-53-2] (free ester)		
61875	puriss. CHR; M.P. 107-109°; [α] ₅₄₀ ²⁰ + 26±1°; [α] _D ²⁰ + 22.5±1° (c = 2 in Pyridine)	5 g 50. —	
	5-Leucine Enkephalin (Enkephalin L) H-Tyr-Gly-Gly-Phe-Leu-OH HOC ₆ H ₄ CH ₂ CH(NH ₂)CONHCH ₂ CONHCH ₂ CONHCH(CH ₂ C ₆ H ₅)CONHCH (COOH)CH ₂ CH(CH ₃) ₂ C ₂₆ H ₃₇ N ₅ O ₇ M _r 555.64 [58822-25-6]		
61885	puriss. [α] ₅₄₀ ²⁰ + 35.5±0.5°; [α] _D ²⁰ + 29.0±0.5° (c = 1 in water); opiate receptor blocking peptide: J. Hughes et al., Nature 258, 577-579 (1975)	100 mg 160. —	
	L-Leucine ethyl ester hydrochloride (CH ₃) ₂ CHCH ₂ CH(NH ₂)COOC ₂ H ₅ .HCl C ₉ H ₁₇ NO ₂ .HCl M _r 195.69 [2743-40-0]		
61850	puriss. >99%(Cl); M.P. 134-136°; [α] ₅₄₀ ²⁰ + 22±0.5°; [α] _D ²⁰ + 18±0.5° (c = 5 in Ethanol)	10 g 35. —	50 g 145. —
61887	15-Leucine Human Gastrin I under Argon; store in refrigerator C ₃₆ H ₁₄₄ N ₂₆ O ₃₁ M _r 2182.42	5 mg 450. —	10 mg 850. —
	L-Leucine methyl ester hydrochloride (CH ₃) ₂ CHCH ₂ CH(NH ₂)COOCH ₃ .HCl C ₇ H ₁₅ NO ₂ .HCl M _r 181.66 [7517-19-3]		
61890	puriss. >99%(Cl); M.P. 148-150°; [α] ₅₄₀ ²⁰ + 24±1°; [α] _D ²⁰ + 20±1° (c = 4.5 in Methanol)	5 g 18. —	25 g 75. —
61893	11-Leucine Human Mini Gastrin I synthetic store in refrigerator H-Leu-Glu-Glu-Glu-Glu-Glu-Ala-Tyr-Gly-Trp-Leu-Asp-Phe-NH ₂ C ₇₅ H ₁₀₁ N ₁₅ O ₂₆ M _r 1628.71 [66009-14-1]	10 mg 450. —	
61895	13-Leucine Motiline puriss. under Argon; store in refrigerator C ₁₂₁ H ₁₈₀ N ₃₃ O ₃₆ M _r 2682.04 (free peptide) [59408-63-8]	1 mg 300. —	5 mg 800. — 10 mg 1500. —
	L-Leucine-2-naphthylamide hydrochloride (CH ₃) ₂ CHCH ₂ CH(NH ₂)CONHC ₁₀ H ₇ .HCl C ₁₈ H ₂₀ N ₂ O.HCl M _r 292.81 [732-85-4] (free base)		
61900	puriss. p.a. CHR; ~98%(Cl); M.P. 255-260° dec.; [α] ₅₄₀ ²⁰ + 108±3°; [α] _D ²⁰ + 86±3° (c = 1 in water); H ₂ O 2-4%; Substrate for Leucin Aminopeptidase-Determination according to Seligman; Lit.: Arch. Biochem. Biophys. 57, 458 (1955)	1 g 20. —	5 g 85. —
	L-Leucine-4-nitroanilide (CH ₃) ₂ CHCH ₂ CH(NH ₂)CONHC ₆ H ₄ NO ₂ C ₁₂ H ₁₇ N ₃ O ₃ M _r 251.29 [4178-93-2]		
61910	puriss. p.a. ~99%(NT); M.P. 88-90°; [α] ₅₄₀ ²⁰ + 129±1° (c = 1 in 1n HCl); Substrate for Leucine Aminopeptidase-Determination: Medizinische Welt 34, 1760 (1964)	1 g 18. —	5 g 75. —
Leucoagglutinin see 61766 Lectine form Phaseolus Vulgaris			



L

				sFr.	sFr.
	L-Leucyl-L-alanine (CH ₃) ₂ CHCH ₂ CH(NH ₂)CONHCH(CH ₃)COOH.aq C ₉ H ₁₈ N ₂ O ₃ .aq M _r 202.25 + aq [7298-84-2]				
61960	puriss. CHR [α] ₅₄₀ ²⁰ + 24±2°; [α] _D ²⁰ + 19±2° (c = 2 in Methanol); Ash <0.05%			250 mg 13.—	1 g 45.—
	L-Leucyl-glycine (CH ₃) ₂ CHCH ₂ CH(NH ₂)CONHCH ₂ COOH C ₈ H ₁₆ N ₂ O ₃ M _r 188.23 [686-50-0]				
61970	puriss. ~99% (NT); M.P. ~245° dec.; [α] ₅₄₀ ²⁰ + 103±3°; [α] _D ²⁰ + 86±3° (c = 2 in water)			1 g 28.—	5 g 120.—
	L-Leucyl-glycyl-glycine (CH ₃) ₂ CHCH ₂ CH(NH ₂)CONHCH ₂ CONHCH ₂ COOH C ₁₀ H ₁₈ N ₃ O ₄ M _r 245.28 [2576-67-2]				
61990	puriss. CHR; >99% (NT); M.P. ~220° dec.; [α] ₅₄₀ ²⁰ + 70±2°; [α] _D ²⁰ + 59±2° (c = 2 in water); Substrate for Leucine Aminopeptidase-Determination			100 mg 8.—	1 g 50.—
62020	L-Leucyl-glycyl-L-leucine puriss. CHR; [α] ₅₄₀ ²⁰ + 6.0±0.5° (c = 2 in 1n HCl) (CH ₃) ₂ CHCH ₂ CH(NH ₂)CONHCH ₂ CONHCH(COOH)CH ₂ CH(CH ₃) ₂ C ₁₄ H ₂₇ N ₃ O ₄ M _r 301.39 [19408-48-1]			250 mg 63.—	
	L-Leucyl-L-leucine (CH ₃) ₂ CHCH ₂ CH(NH ₂)CONHCH(COOH)CH ₂ CH(CH ₃) ₂ .aq C ₁₂ H ₂₄ N ₂ O ₃ .aq M _r 244.33 + aq [3303-31-9]				
62030	puriss. CHR M.P. ~270° dec.; [α] ₅₄₀ ²⁰ - 16±1°; [α] _D ²⁰ - 14±1° (c = 4 in 1n NaOH)			100 mg 9.—	500 mg 32.—
62040	DL-Leucyl-DL-leucine puriss. CHR (CH ₃) ₂ CHCH ₂ CH(NH ₂)CONHCH(COOH)CH ₂ CH(CH ₃) ₂ C ₁₂ H ₂₄ N ₂ O ₃ M _r 244.34 [2883-36-5]			1 g 28.—	
	Levulinic acid (4-Oxopentanoic acid; 4-Oxo-n-valeric acid) 8/21 CH ₃ COCH ₂ CH ₂ COOH C ₅ H ₈ O ₃ M _r 116.12 [123-76-2]				
61380	purum >97% (GC); M.P. 26-30°; Water ~1%; store in refrigerator			100 g 7.—	500 g 24.—
	Levulose see 47740 D(-)-Fructose				
	Light Green SF Yellowish [C.I. Nr. 42095; Sch. Nr. 765] ·O ₃ SC ₆ H ₄ C[C ₆ H ₄ -N(C ₂ H ₅)CH ₂ C ₆ H ₄ -3-SO ₃ Na]:C ₆ H ₄ -4-:N ⁺ (C ₂ H ₅)CH ₂ C ₆ H ₄ -3-SO ₃ Na C ₃₇ H ₃₄ N ₂ Na ₂ O ₉ S ₃ M _r 792.86 [5141-20-8]				
62110	Standard Fluka for Microscopy (Bact., Bot., Hist.)			25 g 7.—	100 g 18.—
	Lignoceric acid see 87110 Tetracosanoic acid				
	Lignoceryl alcohol see 87100 1-Tetracosanol				
	Ligroin 3/1a; -18°				
61780	purum B.P. 60-90°; d ₄ ²⁰ 0.682; n _D ²⁰ 1.385	1 lt ≈ 0.68 kg	1 lt 9.—	5 lt 32.—	25 lt 80.—
61790	purum B.P. 80-95°; d ₄ ²⁰ 0.705; n _D ²⁰ 1.396	1 lt ≈ 0.71 kg	1 lt 9.—	5 lt 32.—	25 lt 80.—
	S(-)-Limonene 3/3; 43° CH ₂ CH:C(CH ₃)CH ₂ CH ₂ CHC(CH ₃):CH ₂ C ₁₀ H ₁₆ M _r 136.24 [5989-54-8]				
62130	purum >97% (GC); d ₄ ²⁰ 0.842; n _D ²⁰ 1.473; [α] ₅₄₀ ²⁰ - 105±5°; [α] _D ²⁰ - 90±5° (c = 10 in Ethanol)	1 lt ≈ 0.84 kg	100 ml 10.—	500 ml 40.—	
	R(+)-Limonene (Carvene; 4-Isopropenyl-1-methylcyclohexene; p-Mentha-1,8-diene) 3/3; 43° CH ₂ CH:C(CH ₃)CH ₂ CH ₂ CHC(CH ₃):CH ₂ C ₁₀ H ₁₆ M _r 136.24 [5989-27-5]				
62120	purum >98% (GC); B.P. 177° (Lit.); d ₄ ²⁰ 0.842; n _D ²⁰ 1.473; [α] ₅₄₀ ²⁰ + 135±5°; [α] _D ²⁰ + 115±5° (c = 10 in Ethanol)	1 lt ≈ 0.84 kg	100 ml 10.—	500 ml 40.—	
	(±)-Limonene see 42560 Dipentene				
	(±)-Linalool (3,7-Dimethyl-1,6-octadien-3-ol) 3/3; 55° (CH ₃) ₂ C:CHCH ₂ CH ₂ C(OH)(CH ₃)CH:CH ₂ C ₁₀ H ₁₈ O M _r 154.25 [78-70-6]				
62140	purum >99% (GC); B.P. 87-90°; d ₄ ²⁰ 0.861; n _D ²⁰ 1.462	1 lt ≈ 0.86 kg	100 ml 13.—	500 ml 55.—	
45980	Linalyl acetate pract. ~95% (GC); B.P. 115-116° (Lit.); d ₄ ²⁰ 0.903; n _D ²⁰ 1.450 3/4; 94° CH ₃ COOC(CH ₃)(CH:CH ₂)CH ₂ CH ₂ CH:C(CH ₃) ₂ C ₁₂ H ₂₀ O ₂ M _r 196.29 [115-95-7]	1 lt ≈ 0.90 kg	100 ml 14.—	500 ml 60.—	
	Lindlar Catalyst 6.1/72 A highly effective catalyst for the selective Hydrogenation of triple bonds to cis-double bonds: L. Fieser, M. Fieser, Reagents for Organic Synthesis I, 560, J. Wiley and Sons Inc., New York			10 g 32.—	50 g 135.—

			sFr.	sFr.
62150	Lindlar Catalyst Poison Additive for selective Hydrogenation 6.1/72		25 g 20. —	100 g 70. —
	Linoleic acid (cis,cis-9,12-Octadecadienoic acid) $\text{CH}_3(\text{CH}_2)_3(\text{CH}_2\text{CH}:\text{CH})_2(\text{CH}_2)_7\text{COOH}$ $\text{C}_{18}\text{H}_{32}\text{O}_2$ M_r 280.46 [60-33-3]			
62230	puriss. Standard for GC; ~99%(GC); M.P. -7--6°; B.P. _{0.07} 133°; d_4^{20} 0.903; n_D^{20} 1.469; from Tetrabromostearic acid; store in refrigerator	1 lt ≈ 0.90 kg	5 ml 24. —	25 ml 100. —
62235	pract. natural ~90-95%(GC) + ~2.5% Linolenic acid + ~2.5% Oleic acid; d_4^{20} 0.90; store in refrigerator	1 lt ≈ 0.90 kg	5 ml 20. —	25 ml 85. —
62240	techn. ~60-70%(GC); d_4^{20} 0.900; n_D^{20} 1.466; store in refrigerator	1 lt ≈ 0.90 kg	250 ml 10. —	1 lt 35. —
	Linolenic acid (9,12,15-Octadecatrienoic acid) $\text{CH}_3(\text{CH}_2\text{CH}:\text{CH})_3(\text{CH}_2)_7\text{COOH}$ $\text{C}_{18}\text{H}_{30}\text{O}_2$ M_r 278.44 [463-40-1]			
62160	puriss. Standard for GC; ~99%(GC); M.P. -11--10°; B.P. ₁₇ 230-232° (Lit.); d_4^{20} 0.916; n_D^{20} 1.480; store in refrigerator	1 lt ≈ 0.92 kg	1 ml 22. —	5 ml 90. —
62170	pract. natural; ~70-80%(GC) + ~20-25% Linoleic acid; d_4^{20} 0.913; n_D^{20} 1.477; store in refrigerator	1 lt ≈ 0.91 kg	10 ml 22. —	50 ml 90. —
	Lipase ex Hog Pancreas (EC 3.1.1.3)			
62300	techn. powder >900 U/mg; Ash ~5%; loss on drying 2-6%; store in refrigerator		25 g 14. —	100 g 50. —
62310	Lipase ex Wheat germ (EC 3.1.1.3) >900 U/mg; Ash ~1%; store in refrigerator		250 mg 22. —	1 g 80. —
	Lipase from Rhizopus delemar (EC 3.1.1.3) [9001-62-1]			
62311	puriss. 600 U/mg (1 U converts 0.05 meq fatty acids in 150 minutes at 30°C)		50 mg 46. —	

Lipids see "Lipids, Glycerides and Phosphoglycerides" green section

α-Lipoic acid see 62320 DL-6,8-Thioctic acid

α-Lipoic amide see 62330 DL-6,8-Thioctic acid amide

62340	Lipoxidase ex Soybeans (EC 1.13.11.12) ~50 000 U/mg; store in refrigerator		250 mg 17. —	1 g 60. —
	Lithium 4.3/1a Li A_r 6.94 [7439-93-2]			
62360	purum 99%; in Wire Diameter 3 mm		10 g 12. —	50 g 50. —
62361	purum 99%; in Wire Diameter 10 mm		25 g 21. —	100 g 75. —
62370	purum 99%; in Pieces		100 g 45. —	
	Lithium Ion Standard Solution FLUKA			
62372	1.000 g Lithium/Liter/20°C; prepared from LiCl; pH 6	1 lt ≈ 1.00 kg	500 ml 18. —	
62395	Lithium acetate purum p.a. cryst. 6.1/81g CH_3COOLi $\text{C}_2\text{H}_3\text{LiO}_2$ M_r 65.98 [546-89-4] Fluka-Guarantee: Assay >98.0 % Lead (Pb) <0.005% Chloride (Cl) <0.005% Iron (Fe) <0.005% Sulfate (SO_4) <0.005% Zinc (Zn) <0.005% Copper (Cu) <0.005% Calcium (Ca) <0.005%		250 g 13. —	1 kg 45. —
	Lithium acetylde Ethylenediamine-Complex 4.3/2a $\text{LiC}_2\text{H}_4\text{N}_2$ $\text{C}_2\text{H}_4\text{LiN}_2$ M_r 92.07 [6867-30-7]			
62400	pract. >97%(NT); sensitive to moisture		10 g 20. —	50 g 85. —
62420	Lithium aluminum hydride purum >97% (Gas volumetric determination) 4.3/2b LiAlH_4 AlH_4Li M_r 37.95 [16853-83-5]		10 g 9. —	50 g 37. —
62421	Lithium aluminum hydride purum >97%; in Tablets (Gas volumetric determination) 4.3/2b LiAlH_4 AlH_4Li M_r 37.95		10 g 12. —	
62410	Lithium aluminum hydride-d₄ purum >99 Atom% D 4.3/2b LiAlD_4 AlD_4Li M_r 41.98 [14128-54-2]		1 g 20. —	5 g 85. —
	Lithium aluminum-tri-tert-butoxyhydride (Lithium tri-tert-butoxyaluminum hydride) 4.3/2b $\text{LiAlH}[\text{OC}(\text{CH}_3)_3]_3$ $\text{C}_{12}\text{H}_{25}\text{AlLiO}_3$ M_r 254.28 [17476-04-9]			
62430	pract. >90%		10 g 14. —	50 g 60. —
62440	Lithium amide purum 4.3/3 LiNH_2 H_2LiN M_r 22.96 [7782-89-0]		25 g 9. —	100 g 28. —



					sFr	sFr
62460	Lithium borohydride purum ~97% (NT) 4.3/2b LiBH_4 BH_4Li M_r 21.78 [16949-15-8]				5 g 32. —	25 g 135
62450	Lithium borohydride-d₅ purum >95 Atom% D 4.3/2b LiBD_4 BD_4Li M_r 25.81 [15426-28-3]				1 g 145. —	
62463	Lithium bromide purum p.a. powder LiBr BrLi M_r 86.85 [7550-35-8] Fluka-Guarantee: Assay >98.0 % Sulfate (SO_4) <0.005 % Copper (Cu) <0.005 % Lead (Pb) <0.005 % Iron (Fe) <0.005 % Zinc (Zn) <0.005 % Calcium (Ca) <0.01 %				250 g 13. —	1 kg 45
Lithium 1-butanide see 20160 Butyllithium						
Lithium 2-butanide see 20171 sec-Butyllithium						
62470	Lithium carbonate puriss. >99.5% (NT); Reagent for Microscopy Li_2CO_3 CLi_2O_3 M_r 73.89 [554-13-2]				100 g 12. —	500 g 50
62480	Lithium chloride anhydrous purum p.a. 6.1/81i LiCl CLi M_r 42.39 [7474-41-8] Fluka-Guarantee: Assay >98.0 % pH (5% solution in water 20°C) 5.0-7.0 Sulfate (SO_4) <0.005 % Copper (Cu) <0.005 % Lead (Pb) <0.005 % Iron (Fe) <0.005 % Zinc (Zn) <0.005 % Calcium (Ca) <0.01 %				100 g 9. — 250 g 32. —	1 kg 60. —
62485	tri-Lithium citrate purum >99% (NT); Buffer substance $\text{Li}_3\text{C}_6\text{H}_5\text{O}_7 \cdot 4\text{H}_2\text{O}$ $\text{C}_6\text{H}_5\text{Li}_3\text{O}_7 \cdot 4\text{H}_2\text{O}$ M_r 281.98 [919-16-4]				250 g 16. —	1 kg 55.
Lithium dodecyl sulfate see 62555 Lithium laurylsulfate						
62498	Lithium fluoride purum >99% 6.1/81j LiF FLi M_r 25.94 [7789-24-4]				100 g 10. —	500 g 37.
62455	Lithium fluoroborate pract. (Lithium tetrafluoroborate) 8/15 LiBF_4 BF_4Li M_r 93.74 [14283-07-9]				25 g 26. —	
Lithium hydride 4.3/2b LiH HLi M_r 7.95 [7580-67-8]						
62500	purum powder ~97% (NT)				10 g 8. —	50 g 17. — 250 g 63.
62510	purum in pieces					25 g 14. — 100 g 50.
62490	Lithium hydride-d purum >99 Atom% D (Lithium deuteride) 4.3/2b LiD DLi M_r 8.95 [13587-16-1]				1 g 22. —	5 g 90.
62530	Lithium hydroxide Monohydrate purum p.a. 8/31a $\text{LiOH} \cdot \text{H}_2\text{O}$ $\text{HLiO} \cdot \text{H}_2\text{O}$ M_r 41.96 [1310-65-2] Fluka-Guarantee: Assay >98.0 % Chloride (Cl) <0.01 % Sulfate (SO_4) <0.02 % Copper (Cu) <0.005 % Lead (Pb) <0.01 % Iron (Fe) <0.005 % Zinc (Zn) <0.005 % Calcium (Ca) <0.02 %				250 g 11. —	1 kg 38.
Lithium hypochlorite 5.1/4c LiOCl CLiO M_r 58.40 [13840-33-0]						
62540	techn. ~35% active Chlorine; 30% LiOCl + 34% NaCl + 20% Na_2SO_4 + K_2SO_4 + 9% Li-salts + 7% H_2O				250 g 10. —	1 kg 35
62550	Lithium iodide purum 6.1/81i LiI aI LiI M_r 133.84 + aq [10377-51-2]				100 g 15. —	500 g 63
Lithium lactate (Lactic acid Lithium salt) $\text{C}_3\text{H}_5\text{LiO}_3$ M_r 96.01 [867-55-0]						
62552	purum ~96% (NT); 1 g clearly soluble in 10 ml water				100 g 18. —	500 g 75
62555	Lithium laurylsulfate puriss. (Lithium dodecylsulfate) $\text{CH}_3(\text{CH}_2)_{11}\text{OSO}_2\text{Li}$ $\text{C}_{12}\text{H}_{25}\text{LiO}_4\text{S}$ M_r 272.33 [2044-56-6]				10 g 35. —	

Lithium metaborate anhydrous purum p.a.		25 g 17 -	500 g 45 -
LiBO ₂ B ₂ O ₃ M _r 46.75 [12493-85-5]			
Fluka-Guarantee:			
Assay	>98.0 %	Lead (Pb)	<0.01 %
Chloride (Cl)	<0.005 %	Iron (Fe)	<0.01 %
Sulfate (SO ₄)	<0.005 %	Zinc (Zn)	<0.005 %
Copper (Cu)	<0.005 %	Calcium (Ca)	<0.005 %
Lithium metaborate pract.		25 g 22 -	1 kg 85 -
LiBO ₂ an. B ₂ O ₃ an. M _r 46.75 + an. [15263-74-5]			
Lithium methoxide see 62595 Lithium methoxide			
Lithium methanide see 67740 Methylithium			
Lithium methylate purum p.a. >95% (T) hydrogenated lithium methoxide		5 g 12 -	500 g 50 -
8/31a CH ₃ OLi CH ₃ LiO M _r 37.97 [365-34-8]			
Lithium 2-methyl-2-propenide see 25198 von Butyllithium			
Lithium nitrate purum p.a.		25 g 16 -	1 kg 55 -
5.1/7 LiNO ₃ M _r 68.94 [7791-85-4]			
Fluka-Guarantee:			
Assay	>98.0 %	Lead (Pb)	<0.005 %
Chloride (Cl)	<0.005 %	Iron (Fe)	<0.005 %
Sulfate (SO ₄)	<0.005 %	Zinc (Zn)	<0.005 %
Copper (Cu)	<0.005 %	Calcium (Ca)	<0.005 %
Lithium oxide pract. >95% (T)		25 g 26 -	
8/31a Li ₂ O M _r 29.88 [12057-24-8]			
Lithium perchlorate anhydrous purum p.a.		100 g 22 -	500 g 75 -
5.1/4b LiClO ₄ ClLiO ₄ M _r 106.39 [7791-03-9]			
Fluka-Guarantee:			
Assay	>99.0 %	Lead (Pb)	<0.005 %
Loss on drying	<0.05 %	Iron (Fe)	<0.005 %
Chloride (Cl)	<0.005 %	Zinc (Zn)	<0.005 %
Sulfate (SO ₄)	<0.005 %	Calcium (Ca)	<0.005 %
Copper (Cu)	<0.005 %		
Lithiumphenyl see 78790 Phenyl lithium		250 g 13 -	1 kg 45 -
Lithium sulfate purum p.a.			
Li ₂ SO ₄ Li ₂ O ₃ S M _r 106.88 [10377-48-7]			
Fluka-Guarantee:			
Assay	>98.0 %	Iron (Fe)	<0.005 %
Chloride (Cl)	<0.005 %	Zinc (Zn)	<0.005 %
Copper (Cu)	<0.005 %	Calcium (Ca)	<0.005 %
Lead (Pb)	<0.005 %		
Lithium tetraborate purum p.a.		250 g 24 -	1 kg 90 -
Li ₂ B ₄ O ₇ B ₂ Li ₂ O ₃ M _r 160.12 [12007-00-2]			
Fluka-Guarantee:			
Assay	>97.0 %	Lead (Pb)	<0.005 %
Chloride (Cl)	<0.005 %	Iron (Fe)	<0.005 %
Sulfate (SO ₄)	<0.005 %	Zinc (Zn)	<0.005 %
Copper (Cu)	<0.005 %	Calcium (Ca)	<0.005 %
Lithium tetrafluoroborate see 92455 Lithium tetrafluoroborate		100 g 30 -	
Lithium thiocyanate pract. 65-70% Best water			
6.1/31a LiSCN CLINS M _r 65.02 [556-95-9]			
Lithium tri-tert-butoxyaluminum hydride see 62430 Lithium aluminum tri-tert-butoxyhydride			
Lithium tri-sec-butyborohydride pract. 1 m solution in THF		Package of 500 g 95 -	
3/1a Li(CH ₃ CH ₂ CH ₂ CH ₂) ₃ BH C ₁₂ H ₂₇ BLi M _r 193.11 [38221-52-7]			
Lithium triethylborohydride pract. 1 m solution in THF		Package of 500 ml 105 -	
3/1a LiC ₂ H ₅ ₃ BH C ₆ H ₁₅ BLi M _r 105.94 [22560-16-3]			
Lithocholic acid (3α-Hydroxy-5β-cholanoid acid)			
C ₂₄ H ₄₀ O ₂ M _r 376.58 [434-13-8]			
purum >99% (T) M.P. 123-125° (lit. 124-125°) α = +41° (c = 0.5% in CHCl ₃)		10 g 22 -	50 g 30 -
(c = 1 in Ethanol)			

			sFr.	sFr.
Litmus				
61275	purum p.a. Indicator pH 5-8		10 g 15.—	50 g 63.—
61280	techn. Indicator pH 5-8		25 g 12.—	100 g 40.—
α-Lobeline hydrochloride $C_6H_5CH(OH)CH_2\dot{C}H(CH_2)_3CH(CH_2COC_6H_5)NCH_3 \cdot HCl$ $C_{22}H_{27}NO_2 \cdot HCl$ M_r 373.93 [134-63-4]				
62630	purum >99% (Cl); M.P. 178-180°; $[\alpha]_{546}^{20} - 67 \pm 2^\circ$; $[\alpha]_D^{20} - 57 \pm 2^\circ$ (c = 2 in water)		1 g 32.—	
Lomant's Reagent see 43789 3,3'-Dithiodipropionic acid bis (N-hydroxysuccinimide) ester				
Longicyclene $C_{15}H_{22}$ M_r 202.34 [1137-12-8]				
62633	purum ~98% (GC); B.P. 252-254°; d_4^{20} 0.937; n_D^{20} 1.493; $[\alpha]_{546}^{20} + 38 \pm 1^\circ$; $[\alpha]_D^{20} + 32 \pm 1^\circ$	1 lt $\approx$ 0.94 kg	1 ml 20.—	5 ml 85.—
(+)-Longifolen ((1R,2S,7S,9S)-3,3,7-Trimethyl-8-methylenetricyclo[5.4.0.0 ^{2,9}]undecane) 3/4 $C_{15}H_{24}$ M_r 204.36 [475-20-7]				
62635	puriss. >99% (GC); B.P. 258-260°; d_4^{20} 0.938; n_D^{20} 1.505	1 lt $\approx$ 0.94 kg	5 ml 24.—	25 ml 100.—
Lophine (2,4,5-Triphenylimidazole) $NHC(C_6H_5):NC(C_6H_5):\dot{C}C_6H_5$ $C_{21}H_{16}N_2$ M_r 296.38 [484-47-9]				
62640	purum p.a. >97% (NT); Chemiluminescent Indicator for the Titration of Cinchophen; Anal. chim. Acta 15, 322 (1956)		5 g 10.—	25 g 40.—
Lugol solution (Iodine potassium iodide solution)				
62650	Standard Fluka for Microscopy (Bact., Bot.)	1 lt $\approx$ 1.00 kg	100 ml 7.—	1 lt 15.—
Lumazine puriss. CHR >99% (N); M.P. >300° (2,4-Dihydroxypteridine; 2,4-Pteridinol) $C_6H_4N_4O_2$ M_r 164.12 [487-21-8]				
62651			1 g 13.—	5 g 55.—
Lumiflavine cryst. (7,8,10-Trimethylbenzo[g]pteridine-2,4[3H,10H]-dion) $C_{13}H_{12}N_4O_2$ M_r 256.27 [1088-56-8]				
62680	puriss. >99% (N); M.P. >300°		25 mg 29.—	
Luminol see 09253 3-Aminophthalhydrazide				
2,6-Lupetidine see 41470 2,6-Dimethylpiperidine				
Lutetium oxide puriss. 99.99% (Cassiopeium oxide) Lu_2O_3 M_r 397.94 [12032-20-1]				
62700			1 g 50.—	
2,4-Lutidine (2,4-Dimethylpyridine) 3/3; 47° $N:C(CH_3)CH:C(CH_3)CH:\dot{C}H$ C_7H_9N M_r 107.16 [108-47-4]				
62730	pract. >97% (GC); B.P. 156-158°; d_4^{20} 0.929; n_D^{20} 1.499	1 lt $\approx$ 0.93 kg	100 ml 10.—	500 ml 40.—
62741	techn. Mixture of Isomers	1 lt $\approx$ 0.93 kg	250 ml 7.—	1 lt 16.—
2,6-Lutidine (2,6-Dimethylpyridine) 3/3; 40° $N:C(CH_3)CH:CHCH:\dot{C}CH_3$ C_7H_9N M_r 107.16 [108-48-5]				
62760	purum ~98% (GC); B.P. 142-145°; d_4^{20} 0.923; n_D^{20} 1.498	1 lt $\approx$ 0.92 kg	100 ml 12.—	500 ml 50.—
3,4-Lutidine (3,4-Dimethylpyridine) 3/3; 47° $N:CHC(CH_3):C(CH_3)CH:\dot{C}H$ C_7H_9N M_r 107.16 [583-58-4]				
62780	purum >98% (GC); B.P. 163-164° (Lit.); d_4^{20} 0.956; n_D^{20} 1.512	1 lt $\approx$ 0.96 kg	100 ml 28.—	500 ml 120.—
3,5-Lutidine (3,5-Dimethylpyridine) 3/3; 47° $N:CHC(CH_3):CHC(CH_3):\dot{C}H$ C_7H_9N M_r 107.16 [591-22-0]				
62790	pract. >97% (GC); B.P. 170-172°; d_4^{20} 0.943; n_D^{20} 1.505	1 lt $\approx$ 0.94 kg	100 ml 20.—	500 ml 85.—
Lycopersicin see 90160 Tomatine				
Lysidine (Methylglyoxalidine; 2-Methyl-2-imidazoline) $NHCH_2CH_2N:\dot{C}CH_3$ $C_4H_8N_2$ M_r 84.12 [534-26-9]				
62820	purum ~97% (NT); M.P. 102-104°; H_2O <2%; store in refrigerator		100 g 40.—	500 g 170.—
L-Lysine (2,6-Diaminocaproic acid) $NH_2(CH_2)_4CH(NH_2)COOH$ $C_6H_{14}N_2O_2$ M_r 146.19 [56-87-1]				
62840	purum cryst >97% (NT); M.P. ~210° dec.; $[\alpha]_{546}^{20} + 30.0 \pm 0.5^\circ$; $[\alpha]_D^{20} + 25.0 \pm 0.5^\circ$ (c = 2 in 6n HCl); H_2O <1%		25 g 24.—	100 g 90.—
62850	purum 50% in water; $[\alpha]_{546}^{20} + 30 \pm 2^\circ$; $[\alpha]_D^{20} + 25 \pm 2^\circ$ (c = 2 in 6n HCl) (related to dried substance)	1 lt $\approx$ 1.12 kg	100 ml 22.—	500 ml 90.—

			sFr.	sFr.
DL-Lysine				
	$\text{NH}_2(\text{CH}_2)_4\text{CH}(\text{NH}_2)\text{COOH}$ $\text{C}_6\text{H}_{14}\text{N}_2\text{O}_2$ M_r 146.19 [70-54-2]			
62860	purum cryst. ~97% (NT); M.P. 170-172° dec.; H_2O <2%		10 g 18.—	50 g 75.—
62870	purum 50% in water	1 lt ≈ 1.12 kg	100 ml 30.—	500 ml 125.—
L-Lysine Decarboxylase ex Bacteria (EC 4.1.1.18) (L-Lysine Carboxy Lyase) [9024-76-4]				
62890	Activity: Q_{CO_2} >100; Ash 6-8%; store in refrigerator		250 mg 20.—	1 g 70.—
L-Lysine dihydrochloride				
	$\text{NH}_2(\text{CH}_2)_4\text{CH}(\text{NH}_2)\text{COOH} \cdot 2\text{HCl}$ $\text{C}_6\text{H}_{14}\text{N}_2\text{O}_2 \cdot 2\text{HCl}$ M_r 219.11 [657-26-1]			
62900	puriss. >99% (Cl); M.P. 202-205°; $[\alpha]_{\text{D}}^{20} + 18.5 \pm 0.5^\circ$; $[\alpha]_{\text{D}}^{20} + 15 \pm 0.5^\circ$ (c = 2 in water); Ash <0.05%		25 g 18.—	100 g 65.—
DL-Lysine dihydrochloride				
	$\text{NH}_2(\text{CH}_2)_4\text{CH}(\text{NH}_2)\text{COOH} \cdot 2\text{HCl}$ $\text{C}_6\text{H}_{14}\text{N}_2\text{O}_2 \cdot 2\text{HCl}$ M_r 219.11 [617-68-5]			
62910	puriss. CHR; >99% (Cl); M.P. 190-195° dec.; Ash <0.05%		25 g 18.—	100 g 65.—
L-Lysine ethyl ester dihydrochloride				
	$\text{NH}_2(\text{CH}_2)_4\text{CH}(\text{NH}_2)\text{COOC}_2\text{H}_5 \cdot 2\text{HCl}$ $\text{C}_8\text{H}_{18}\text{N}_2\text{O}_2 \cdot 2\text{HCl}$ M_r 247.17 [3844-53-9]			
62880	puriss. >99% (Cl); M.P. ~150° dec.; $[\alpha]_{\text{D}}^{20} + 12 \pm 1^\circ$; $[\alpha]_{\text{D}}^{20} + 10 \pm 1^\circ$ (c = 2 in water); Ash <0.05%; hygroscopic		25 g 31.—	100 g 115.—
L-Lysine monohydrochloride				
	$\text{NH}_2(\text{CH}_2)_4\text{CH}(\text{NH}_2)\text{COOH} \cdot \text{HCl}$ $\text{C}_6\text{H}_{14}\text{N}_2\text{O}_2 \cdot \text{HCl}$ M_r 182.65 [657-27-2]			
62930	puriss. p.a. $[\alpha]_{\text{D}}^{20} + 24.8 \pm 0.5^\circ$; $[\alpha]_{\text{D}}^{20} + 20.5 \pm 0.5^\circ$ (c = 5 in 5n HCl)		100 g 11.—	500 g 44.—
	Fluka-Guarantee:			
	Assay >99.0%	Copper (Cu) <0.0001%		
	Other amino acids <0.3 %	Lead (Pb) <0.0001%		
	Loss on drying <0.5 %	Iron (Fe) <0.0005%		
	Residue on ignition (as SO_4) <0.1 %	Zinc (Zn) <0.0001%		
	Sulfate (SO_4) <0.01%	Cadmium (Cd) <0.0001%		
	Ammonium (NH_4) <0.01%			
D-Lysine monohydrochloride				
	$\text{NH}_2(\text{CH}_2)_4\text{CH}(\text{NH}_2)\text{COOH} \cdot \text{HCl}$ $\text{C}_6\text{H}_{14}\text{N}_2\text{O}_2 \cdot \text{HCl}$ M_r 182.65 [7274-88-6]			
62950	puriss. >99% (Cl); M.P. ~260° dec.; $[\alpha]_{\text{D}}^{20} - 24.8 \pm 0.5^\circ$; $[\alpha]_{\text{D}}^{20} - 20.5 \pm 0.5^\circ$ (c = 5 in 5n HCl); Ash <0.05%		1 g 14.—	5 g 60.—
62960	DL-Lysine monohydrochloride puriss. CHR; >99% (Cl); M.P. 265-270° dec.; Ash <0.05%		50 g 16.—	250 g 67.—
	$\text{NH}_2(\text{CH}_2)_4\text{CH}(\text{NH}_2)\text{COOH} \cdot \text{HCl}$ $\text{C}_6\text{H}_{14}\text{N}_2\text{O}_2 \cdot \text{HCl}$ M_r 182.65 [70-53-1]			
Lysozyme ex hen eggs white (EC 3.2.1.17) (Muramidase)				
62991	cryst. (as hydrochloride) ~22 000 U/mg according to Shugar (25°C Micrococcus luteus as substrate); protease content: traces; store in refrigerator		1 g 20.—	5 g 85.—
62970	cryst. saltfree; freeze dried; ~20 000 U/mg according to Shugar; Albumine not detectable by electrophoresis; store in refrigerator		1 g 14.—	5 g 60.—
62971	purum ~22 000 U/mg according to Shugar; pH 3.4; H_2O <4%; Cl 3.5%; Ash <0.3%; heavy metals 10 ppm		10 g 16.—	50 g 67.—
63005	L(+)-Lyxose purum M.P. 106-107°; $[\alpha]_{\text{D}}^{20} + 16.5 \pm 0.5^\circ$; $[\alpha]_{\text{D}}^{20} + 14.0 \pm 0.5^\circ$ (c = 6 in water)		250 mg 17.—	1 g 60.—
	$\text{HOCH}(\text{CHOH})_3\text{CH}_2\text{O}$ $\text{C}_5\text{H}_{10}\text{O}_5$ M_r 150.13 [1949-78-6]			
63010	D(-)-Lyxose puriss. $[\alpha]_{\text{D}}^{20} - 16.5 \pm 0.5^\circ$; $[\alpha]_{\text{D}}^{20} - 14.0 \pm 0.5^\circ$ (c = 6 in water)		1 g 30.—	5 g 125.—
	$\text{HOCH}(\text{CHOH})_3\text{CH}_2\text{O}$ $\text{C}_5\text{H}_{10}\text{O}_5$ M_r 150.13 [1114-34-7]			
Magenta see 47860 Fuchsin				
Magnesium				
	Mg A_r 24.31 [7439-95-4]			
63035	purum 99.8%; Turnings for Grignard-Syntheses		250 g 8.—	1 kg 25.—
63040	purum >99.8%; Granules 50-150 mesh		250 g 14.—	1 kg 50.—
63045	purum p.a. Granules 30-55 mesh		250 g 12.—	1 kg 40.—
	Fluka-Guarantee:			
	Assay >99.8 %	Zinc (Zn) <0.005%		
	Copper (Cu) <0.005%	Calcium (Ca) <0.005%		
	Iron (Fe) <0.005%			
Magnesium Ion Standard Solution FLUKA				
63046	1.000 g Magnesium/Liter/20°C; prepared from MgCl_2 ; pH 1.5 adjusted with HCl	1 lt ≈ 1.00 kg	500 ml 18.—	



						sFr.	sFr.
63047	Magnesium acetate purum p.a. 6.1/81g $(\text{CH}_3\text{COO})_2\text{Mg} \cdot 4\text{H}_2\text{O}$ $\text{C}_4\text{H}_8\text{MgO}_4 \cdot 4\text{H}_2\text{O}$ M_r 214.40 [142-72-3]					500 g 8.—	1 kg 14.—
	Fluka-Guarantee:						
	Assay	>98.0 %	Copper (Cu)	<0.005%			
	pH (5% solution in water 20°C)	8.0-9.0	Lead (Pb)	<0.005%			
	Chloride (Cl)	<0.005%	Iron (Fe)	<0.005%			
	Sulfate (SO_4)	<0.005%	Zinc (Zn)	<0.005%			
63050	Magnesium acetylacetonate techn. $\text{Mg}(\text{C}_5\text{H}_7\text{O}_2)_2$ $\text{C}_{10}\text{H}_{14}\text{MgO}_4$ M_r 222.53 [14024-56-7]					25 g 12.—	100 g 40.—
	Magnesium L-aspartate see 11260 L-Aspartic acid Magnesium salt						
	Magnesium DL-aspartate see 11270 DL-Aspartic acid Magnesium salt						
63062	Magnesium carbonate basic purum p.a. Ph. Eur.					1 kg 8.—	5 kg 29.—
	Fluka-Guarantee:						
	Assay (MgO)	40-45%	Lead (Pb)	<0.005%			
	Chloride (Cl)	<0.01 %	Iron (Fe)	<0.005%			
	Sulfate (SO_4)	<0.1 %	Zinc (Zn)	<0.005%			
	Copper (Cu)	<0.005%	Calcium (Ca)	<0.2 %			
63065	Magnesium chloride Hexahydrate purum p.a. $\text{MgCl}_2 \cdot 6\text{H}_2\text{O}$ $\text{Cl}_2\text{Mg} \cdot 6\text{H}_2\text{O}$ M_r 203.31 [7791-18-6]					1 kg 8.—	5 kg 29.—
	Fluka-Guarantee:						
	Assay	>98.0 %	Lead (Pb)	<0.005%			
	pH (5% solution in water 20°C)	5.0-7.0	Iron (Fe)	<0.005%			
	Sulfate (SO_4)	<0.005%	Zinc (Zn)	<0.005%			
	Copper (Cu)	<0.005%	Calcium (Ca)	<0.05 %			
63067	tri-Magnesium dicitrate purum p.a. for Microbiology $\text{Mg}_3(\text{C}_6\text{H}_5\text{O}_7)_2 \cdot 2\text{H}_2\text{O}$ $\text{C}_{12}\text{H}_{10}\text{Mg}_3\text{O}_{14} \cdot 2\text{H}_2\text{O}$ M_r 487.17 [3344-18-1]					100 g 9.—	250 g 17.—
	Fluka-Guarantee:						
	Assay	>98.0 %	Lead (Pb)	<0.005%			
	Chloride (Cl)	<0.005%	Iron (Fe)	<0.005%			
	Sulfate (SO_4)	<0.005%	Zinc (Zn)	<0.005%			
	Copper (Cu)	<0.005%					
63055	Magnesium ethylate pract. 8/31a $\text{Mg}(\text{OC}_2\text{H}_5)_2$ $\text{C}_4\text{H}_{10}\text{MgO}_2$ M_r 114.44 [2414-98-4]					100 g 12.—	500 g 50.—
63071	Magnesium fluoride pract. ~95% MgF_2 F_2Mg M_r 62.31 [7783-40-6]					250 g 7.—	1 kg 16.—
	Magnesium fluoride (Coating quality BALZERS)						
63073	99.99%; Mesh size 1.5-3.5 mm					100 g 90.—	500 g 320.—
63074	99.99%; Mesh size 0.7-1.5 mm					100 g 90.—	500 g 320.—
63076	Magnesium-D-gluconate purum (D-Gluconic acid Magnesium salt) $(\text{C}_6\text{H}_{11}\text{O}_7)_2\text{Mg}$ $\text{C}_{12}\text{H}_{22}\text{MgO}_{14}$ M_r 414.61 [3632-91-5]					250 g 22.—	1 kg 80.—
63077	Magnesium hydrogenphosphate pract. $\text{MgHPO}_4 \cdot 3\text{H}_2\text{O}$ $\text{HMgO}_4\text{P} \cdot 3\text{H}_2\text{O}$ M_r 174.34 [7757-86-0]					1 kg 16.—	
63078	Magnesium hydroxide purum p.a. powder $\text{Mg}(\text{OH})_2$ H_2MgO_2 M_r 58.32 [1309-42-8]					500 g 9.—	1 kg 16.—
	Fluka-Guarantee:						
	Assay (dried)	>96.0 %	Iron (Fe)	<0.005%			
	Copper (Cu)	<0.005%	Zinc (Zn)	<0.005%			
	Lead (Pb)	<0.005%					
63075	Magnesium methylate pract. 8/31 $\text{Mg}(\text{OCH}_3)_2$ $\text{C}_2\text{H}_6\text{MgO}_2$ M_r 86.38 [109-88-6]					250 g 24.—	
	Magnesium methylcarbonate (MMC; Methoxymagnesium methyl carbonate) 3/3; 52° $\text{CH}_3\text{OMgOCOCH}_3$ $\text{C}_3\text{H}_6\text{MgO}_4$ M_r 130.39 [4861-79-4]						
63070	purum ~2.5 m solution in DMF; Reagent for α -carboxylation of ketones, hydantoins and aliphatic nitro compounds: L. Fieser, M. Fieser, "Reagents for Organic Synthesis", Vol. I 631, II 256, III 190, V 420, VI 354					1 lt $\approx$ 1.13 kg	100 ml 45.—



					sFr.	sFr.
63079	Magnesium nitrate Hexahydrate purum p.a.				1 kg 10. —	
	$\text{Mg}(\text{NO}_3)_2 \cdot 6\text{H}_2\text{O}$ $\text{MgN}_2\text{O}_6 \cdot 6\text{H}_2\text{O}$ M_r 256.41 [10377-60-3]					
	Fluka-Guarantee:					
	Assay	>98.0 %	Copper (Cu)	<0.005%		
	pH (5% solution in water, 20°C)	5.0-8.5	Lead (Pb)	<0.005%		
	Chloride (Cl)	<0.005%	Iron (Fe)	<0.005%		
	Sulfate (SO_4)	<0.005%	Zinc (Zn)	<0.005%		
	Magnesium nitride					
	Mg_3N_2 M_r 100.95 [12057-71-5]					
63080	p.a.; for the determination of water content in alcoholic fuels according to Dietrich and Conrad				10 g 11. —	50 g 47. —
63090	Magnesium oxide puriss. p.a.				100 g 12. —	500 g 50. —
	MgO M_r 40.31 [1309-48-4]					
	Fluka-Guarantee:					
	Assay	>97.0 %	Heavy metals (as Pb)	<0.005%		
	Insolubles in HCl	<0.005%	Iron (Fe)	<0.005%		
	Insolubles in water	<0.5 %	Zinc (Zn)	<0.005%		
	Loss on calcination	<3 %	Barium and Strontium			
	Chloride (Cl)	<0.01 %	(as Ba)	<0.005%		
	Sulfate (SO_4)	<0.001%	Calcium (Ca)	<0.02 %		
63092	Magnesium oxide (Coating quality BALZERS) 99.95%; Tablets				10 g 40. —	100 g 280. —
63091	Magnesium oxide light purum DAB				500 g 8. —	1 kg 14. —
	MgO M_r 40.31 [1309-48-4]					
	Fluka-Guarantee:					
	Assay	>95.0 %	Lead (Pb)	<0.005%		
	Chloride (Cl)	<0.005%	Iron (Fe)	<0.05 %		
	Sulfate (SO_4)	<0.005%	Zinc (Zn)	<0.005%		
	Copper (Cu)	<0.005%				
	Magnesium perchlorate Dihydrate					
	5.1/4b $\text{Mg}(\text{ClO}_4)_2 \cdot 2\text{H}_2\text{O}$ $\text{Cl}_2\text{MgO}_8 \cdot 2\text{H}_2\text{O}$ M_r 259.24 [10034-81-8]					
63100	puriss. p.a. for Microanalysis; 1.8-2.3 Mol water				100 g 11. —	500 g 46. —
63110	purum p.a. >98%(T)				100 g 9. —	500 g 34. —
	Magnesium peroxide light					
	5.1/9a $\text{MgO}_2 \cdot (\text{MgO})_n$ [14452-57-4]					
63130	purum p.a. DAB (Mixture of Magnesium peroxide with Magnesium oxide)				250 g 8. —	1 kg 22. —
	Fluka-Guarantee:					
	Assay (as MgO_2)	24.0-28.0%	Lead (Pb)	<0.005%		
	Chloride (Cl)	<0.01 %	Iron (Fe)	<0.01 %		
	Sulfate (SO_4)	<0.1 %	Zinc (Zn)	<0.005%		
	Copper (Cu)	<0.005%	Calcium (Ca)	<0.5 %		
63139	Magnesium sulfate dried purum p.a.				1 kg 8. —	
	$\text{MgSO}_4 \cdot \text{aq}$ $\text{MgO}_4\text{S} \cdot \text{aq}$ M_r 120.37 + aq [22189-08-8]					
	Fluka-Guarantee:					
	Assay (dry substance)	>99.0 %	Lead (Pb)	<0.008%		
	Loss on drying	26.0-32.0%	Iron (Fe)	<0.002%		
	Chloride (Cl)	<0.03 %	Zinc (Zn)	<0.001%		
	Copper (Cu)	<0.001%	Calcium (Ca)	<0.05 %		
	Magnesium sulfate					
	$\text{MgSO}_4 \cdot 7\text{H}_2\text{O}$ $\text{MgO}_4\text{S} \cdot 7\text{H}_2\text{O}$ M_r 246.48 [10034-99-8]					
63140	puriss. p.a.				100 g 7. —	500 g 9. — 2.5 kg 33. —
	Fluka-Guarantee:					
	Assay	>99.5 %	Iron (Fe)	<0.0005 %		
	Insolubles in water	<0.005 %	Manganese (Mn)	<0.0005 %		
	Free Alkali (as MgO)	<0.002 %	Zinc (Zn)	<0.005 %		
	Free Acid (as H_2SO_4)	<0.005 %	Calcium (Ca)	<0.005 %		
	Chloride (Cl)	<0.0003%	Sodium (Na)	<0.02 %		
	Nitrate (NO_3)	<0.002 %	Ammonium salts (as NH_4)	<0.002 %		
	Phosphate (PO_4)	<0.0005%	Arsenic (As)	<0.00005%		
	Heavy metals (as Pb)	<0.0005%				

				sFr.	sFr.
Magnesium sulfate (continue)					
63142	purum p.a.			1 kg 8.—	5 kg 20.—
	Fluka-Guarantee:				
	Assay	>98.0 %	Lead (Pb)	<0.005%	
	pH (5% solution in water 20°C)	5.0-8.0	Iron (Fe)	<0.005%	
	Chloride (Cl)	<0.005%	Zinc (Zn)	<0.005%	
	Copper (Cu)	<0.005%	Calcium (Ca)	<0.005%	
63141	Magnesium sulfate Monohydrate purum >98%(T) (Kieserite)			1 kg 18.—	
	MgSO ₄ ·H ₂ O MgO ₄ S·H ₂ O M _r 138.39 [14168-73-1]				
63143	Magnesium thiosulfate purum p.a.			250 g 10.—	1 kg 32.—
	MgS ₂ O ₃ ·6H ₂ O M _r 244.53 [10124-53-5]				
	Fluka-Guarantee:				
	Assay	>97.0 %	Lead (Pb)	<0.005%	
	Chloride (Cl)	<0.005%	Iron (Fe)	<0.005%	
	Copper (Cu)	<0.005%	Zinc (Zn)	<0.005%	
63144	di-Magnesium trisilicate purum USP			500 g 8.—	1 kg 12.—
	2MgO·3SiO ₂ ·aq M _r 260.86 + aq				
Magneson I see 73020 4-(4-Nitrophenylazo) resorcinol					
Magneson II see 73000 4-(4-Nitrophenylazo)-1-naphthol					
Magon [3-Hydroxy-4-(2-hydroxyphenylazo)-2-naphthoyl 2,4-dimethylanilide; Xylidylblue II] 2-HOC ₆ H ₄ N:N-1-C ₁₀ H ₅ -2-OH-3-(CONHC ₆ H ₃ -2-CH ₃ -4-CH ₃) C ₂₅ H ₂₁ N ₃ O ₃ M _r 411.47 [523-67-1]					
63150	Standard Fluka for Colorimetric Mg Determination			1 g 18.—	5 g 75.—
63160	Malachite Green [C.I. Nr. 42000] Standard Fluka			100 g 10.—	500 g 37.—
	6.1/21 4-(CH ₃) ₂ NC ₆ H ₄ C(C ₆ H ₅):C ₆ H ₄ :N(C ₂ H ₅ O ₄)(CH ₃) ₂ C ₂₅ H ₂₇ N ₂ O ₄ M _r 419.51 [13425-25-7]				
Malate Dehydrogenase ex Hog Heart (Malic dehydrogenase; MDH) (EC 1.1.1.37)					
63170	p.a. Suspension in 3.2 M Ammoniumsulfate Solution; pH ~6; ~1100 U/mg (25°; Oxalacetate as substrate); store in refrigerator				5 mg (1 ml) 60.—
Maleic acid					
	HOOCCH:CHCOOH C ₄ H ₄ O ₄ M _r 116.08 [110-16-7]				
63180	puriss. p.a. >99%(T); M.P. 139-141°; Ash <0.05%; 1 g clearly and colourless soluble in 10 ml Methanol			100 g 11.—	500 g 44.—
63190	purum >98%(T); M.P. 132-137°			1 kg 25.—	2.5 kg 55.—
Maleic acid Disodium salt (di-Sodium maleate)					
	NaOOCCH:CHCOONa C ₄ H ₂ Na ₂ O ₄ M _r 160.04 [17013-01-3]				
63260	purum >98%(NT); M.P. ~300° dec.; Ash <0.5%; store in refrigerator			50 g 16.—	250 g 67.—
Maleic anhydride					
	8/21 COCCH:CHCO C ₄ H ₂ O ₃ M _r 98.06 [108-31-6]				
63200	puriss. p.a. >99%(NT); M.P. 52-54°; For the complete dissociation of enzymes into soluble subunits: C. L. Sia, B. L. Horrecker, Biochem. Biophys. Res. Commun. 37, 731 (1968); for the reversible blocking of amino groups (lysine reagent): P. J. G. Butler, J. I. Harris, B. S. Hartley and R. Lebermann, Biochem. J. 103, 78P (1967)			100 g 12.—	500 g 50.—
63210	purum ~97%(NT); M.P. 51-54°			1 kg 11.—	5 kg 46.—
Maleic hydrazide (1,2-Dihydro-3,6-pyridazinedione; 3,6-Dihydroxypyridazine; 3,6-Pyridazinediol)					
	HNCOCH:CHCONH C ₄ H ₄ N ₂ O ₂ M _r 112.09 [123-33-1]				
63270	purum M.P. ~300° dec.; Ash <0.5%			100 g 10.—	500 g 40.—
63171	Maleimide purum >98%(N); M.P. 91-93°			5 g 26.—	25 g 110.—
	8/21 NHCOCH:CHCO C ₄ H ₃ NO ₂ M _r 97.08 [541-59-3]				
L(-)-Malic acid [S(-)-2-Hydroxysuccinic acid]					
	HOOCCH(OH)CH ₂ COOH C ₄ H ₆ O ₅ M _r 134.09 [97-67-6]				
02290	purum >99%(T); M.P. 98-102°; [α] _D ²⁰ -32±2°; [α] _D ²⁰ -26±2° (c = 5.5 in Pyridine)			10 g 9.—	50 g 32.—
D(+)-Malic acid unnatural Form [R(+)-2-Hydroxysuccinic acid]					
	HOOCCH(OH)CH ₂ COOH C ₄ H ₆ O ₅ M _r 134.09 [636-61-3]				
02300	purum M.P. 97-100°; [α] _D ²⁰ +33±2° (c = 5.5 in Pyridine)			1 g 10.—	5 g 37.—



				sFr.	sFr.
DL-Malic acid					
	HOOCCH(OH)CH ₂ COOH C ₄ H ₆ O ₅ M _r 134.09 [617-48-1]				
02310	purum >99%(T); M.P. 129-131°; 1 g clearly and colourless soluble in 10 ml Methanol				250 g 7.— 1 kg 20.—
Malic dehydrogenase see 63170 Malate dehydrogenase					
Malonaldehyde tetraethyl acetal see 86570 1,1,3,3-Tetraethoxypropane					
Malonaldehyde tetramethyl acetal see 87670 1,1,3,3-Tetramethoxypropane					
63340	Malonamide purum >98%(N); M.P. 168-172° CH ₂ (CONH ₂) ₂ C ₃ H ₆ N ₂ O ₂ M _r 102.09 [108-13-4]				25 g 7.— 100 g 16.—
Malonic acid (Dicarboxylic acid C ₃)					
	CH ₂ (COOH) ₂ C ₃ H ₄ O ₄ M _r 104.06 [141-82-2]				
63290	puriss. >99%(T); M.P. 134-135° dec.; Ash <0.05%				100 g 18.— 500 g 75.—
63301	purum >98%(T); M.P. 132-135° dec.; Ash <0.3%				100 g 11.— 500 g 44.—
87240	Malonic acid-d ₄ purum >99.5 Atom% D (with Fluka-Guarantee) (Tetradeuteromalonic acid) CD ₂ (COOD) ₂ C ₃ D ₄ O ₄ M _r 108.09 [813-56-9]				10 g 50.— 50 g 210.—
63409	Malonic acid di-Sodium salt purum >97%(NT) CH ₂ (COONa) ₂ C ₃ H ₂ Na ₂ O ₄ M _r 148.03 [141-95-7]				100 g 30.— 500 g 125.—
Malononitrile (Dicyanomethane)					
6.1/21	CH ₂ (CN) ₂ C ₃ H ₂ N ₂ M _r 66.06 [109-77-3]				
63390	purum >98%(GC); M.P. 30-32°; Precursor of the appropriate amidate, a cross-linking agent for the modification of proteins via amidation according to Davies and Stark: G. E. Davies and G. R. Stark, Proc. Natl. Acad. Sci. US 66, 651 (1970); A. Dutton, M. Adams and S. J. Singer, Biochem. Biophys. Res. Commun. 23, 730 (1966)				100 g 13.— 500 g 55.—
Malonyl chloride (Malonyl dichloride)					
8/22	CH ₂ (COCl) ₂ C ₃ H ₂ Cl ₂ O ₂ M _r 140.95 [1663-67-8]				
63360	pract. ~95%(Cl) + ~1-3% SOCl ₂ ; B.P. 47° (Lit.); d ₄ ²⁰ 1.450; n _D ²⁰ 1.462				1 lt ≈ 1.45 kg 25 ml 21.— 100 ml 75.—
Malonyl urea see 11710 Barbituric acid					
63415	Maltitol purum ~75% Syrup (4-O-α-D-Glucopyranosyl-D-sorbitol) C ₁₂ H ₂₄ O ₁₁ M _r 344.32 [585-88-6]				250 g 16.—
Maltobiose see 63420 D(+) -Maltose					
Maltol see 55849 3-Hydroxy-2-methyl-4-pyrone					
D(+) -Maltose Monohydrate (4-O-α-D-Glucopyranosyl-D-glucose; Maltobiose)					
	C ₁₂ H ₂₂ O ₁₁ ·H ₂ O M _r 360.32 [6363-53-7]				
63419	puriss. p.a. for Bacteriology; [α] ₅₄₀ ^{20/24h} + 155±2°; [α] _D ^{20/24h} + 131±2° (c = 2 in water); 1 g clearly and colourless soluble in 10 ml water				100 g 14.— 500 g 60.—
Fluka-Guarantee:					
Residue on ignition (as SO ₄)		<0.1 %	Zinc (Zn)	<0.0001 %	
Chloride (Cl)		<0.1 %	Iron (Fe)	<0.0005 %	
Sulfate (SO ₄)		<0.1 %	Cobalt (Co)	<0.0001 %	
Copper (Cu)		<0.0001 %	Nickel (Ni)	<0.0001 %	
Lead (Pb)		<0.0001 %	Arsenic (As)	<0.00001 %	
Cadmium (Cd)		<0.0001 %			
63420	purum for Bacteriology; [α] ₅₄₀ ^{20/24h} + 151±2°; [α] _D ^{20/24h} + 127±2° (c = 2 in water); Water 2-4%				100 g 8.— 500 g 29.—
Malvidin-3,5-diglucoside see 63440 Malvin(chloride)					
Malvin(chloride) (Malvidin-3,5-diglucoside)					
	7-HO-5-C ₆ H ₁₁ O ₅ OC ₆ H ₂ O(Cl):C[C ₆ H ₂ -3',5'-(OCH ₃) ₂ -4'-OH]C(OC ₆ H ₁₁ O ₅):CH				
	C ₂₀ H ₃₆ ClO ₁₇ M _r 691.04 [16727-30-3]				
63440	purum ~97%(Cl); M.P. ~165-170° dec.; Reference standard for the detection of red hybrid wines and grape juices				100 mg 55.— 500 mg 230.—
L(+) -Mandelic acid [(S)-α-Hydroxyphenylacetic acid]					
	C ₈ H ₈ CH(OH)COOH C ₈ H ₈ O ₃ M _r 152.15 [611-71-2]				
63460	puriss. >99%(T); M.P. 130-132°; [α] ₅₄₀ ²⁰ + 188±5°; [α] _D ²⁰ + 155±5° (c = 5 in water)				10 g 20.— 50 g 85.—
63462	purum >98%(T); M.P. 130-132°; [α] ₅₄₀ ²⁰ + 185±5°; [α] _D ²⁰ + 153±5° (c = 5 in water)				50 g 20.— 250 g 85.—



			sFr.	sFr.
D(–)-Mandelic acid [(R)- α -Hydroxyphenylacetic acid]				
	$C_8H_8CH(OH)COOH$ $C_8H_8O_3$ M_r 152.15 [17199-29-0]			
63450	puriss. >99%(T); M.P. 130-132°; $[\alpha]_{D}^{20} -188 \pm 5^\circ$; $[\alpha]_{D}^{20} -155 \pm 5^\circ$ (c = 5 in water)		10 g 20.—	50 g 85.—
63451	purum >98%(T); M.P. 129-132°; $[\alpha]_{D}^{20} -185 \pm 5^\circ$; $[\alpha]_{D}^{20} -153 \pm 5^\circ$ (c = 5 in water)		50 g 20.—	250 g 85.—
DL-Mandelic acid				
	$C_8H_8CH(OH)COOH$ $C_8H_8O_3$ M_r 152.15 [611-72-3]			
63470	puriss. p.a. >99%(T); M.P. 117-120°; Ash <0.05%		100 g 14.—	500 g 60.—
63480	purum >98%(T); M.P. 117-120°		250 g 14.—	1 kg 50.—
Mandelic acid nitrile see 12021 Mandelonitrile				
Mandelonitrile (Benzaldehyde cyanohydrin; α -Hydroxyphenylacetone nitrile; 6.1/2b Mandelic acid nitrile)				
	$C_8H_8CH(OH)CN$ C_8H_7NO M_r 133.15 [532-28-5]			
12021	purum d_4^{20} 1.12; n_D^{20} 1.532; cannot be distilled; even not at high vacuum	1 lt $\approx$ 1.12 kg	100 ml 30.—	500 ml 125.—
Manduca Hormone see 59992 C_{16} -Juvenile Hormone				
63530	Manganese puriss. Granular >99% Mn A_r 54.94 [7439-96-5]		250 g 11.—	1 kg 38.—
63532	Manganese (Coating quality BALZERS) 99.9%; Mesh size 0.7-3.5 mm		100 g 40.—	500 g 140.—
Manganese Ion Standard Solution FLUKA				
63534	1.000 g Manganese/Liter/20°C; prepared from $Mn(NO_3)_2$; pH 1.5 adjusted with HNO_3	1 lt $\approx$ 1.00 kg	500 ml 18.—	
63537	Manganese(II) acetate purum $Mn(CH_3COO)_2 \cdot 4H_2O$ $C_4H_6MnO_4 \cdot 4H_2O$ M_r 245.09 [6156-78-2]		1 kg 15.—	5 kg 63.—
Manganese(III) acetate				
	$(CH_3COO)_3Mn \cdot H_2O$ $C_6H_9MnO_6 \cdot H_2O$ M_r 250.09 [993-02-2]			
63538	pract. $\sim$ 95%(RT); "site selective α' -acetoxylation of some α,β -enones by Manganic acetate oxidation": G. J. Williams, N. R. Hunter, Can. J. Chem. 54, 3830 (1976)		50 g 37.—	
63540	Manganese(II) acetylacetonate techn. M.P. $\sim$ 250° dec. $Mn(C_5H_7O_2)_2$ $C_{10}H_{14}MnO_4$ M_r 253.16 [14024-58-9]		100 g 20.—	
63539	Manganese(II) carbonate purum p.a. $MnCO_3 \cdot aq$ $CMnO_3 \cdot aq$ M_r 114.95 + aq [598-62-9] Fluka-Guarantee: Assay (as Mn) 43-46% Lead (Pb) <0.005% Chloride (Cl) <0.01 % Iron (Fe) <0.005% Sulfate (SO_4) <0.005% Zinc (Zn) <0.005% Copper (Cu) <0.005%		1 kg 22.—	5 kg 90.—
63541	Manganese carbonyl purum M.P. 152-155° $Mn_2(CO)_{10}$ $C_{10}Mn_2O_{10}$ M_r 389.98 [10170-69-1]		1 g 40.—	5 g 170.—
63543	Manganese(II) chloride purum p.a. $MnCl_2 \cdot 4H_2O$ $Cl_2Mn \cdot 4H_2O$ M_r 197.91 [7773-01-5] Fluka-Guarantee: Assay >98.0 % Lead (Pb) <0.005% pH (5% solution in water 20°C) 4.0-6.0 Iron (Fe) <0.005% Sulfate (SO_4) <0.005% Zinc (Zn) <0.005% Copper (Cu) <0.005% Calcium (Ca) <0.005%		1 kg 18.—	5 kg 75.—
63547	Manganese(II) nitrate purum p.a. 5.1/17 $Mn(NO_3)_2 \cdot 4H_2O$ $MnN_2O_6 \cdot 4H_2O$ M_r 251.01 [10377-66-9] Fluka-Guarantee: Assay >98.0 % Lead (Pb) <0.005% Chloride (Cl) <0.005% Iron (Fe) <0.005% Sulfate (SO_4) <0.005% Zinc (Zn) <0.005% Copper (Cu) <0.005% Calcium (Ca) <0.005%		500 g 10.—	1 kg 18.—
Manganese(IV) oxide (Manganese dioxide)				
	MnO_2 M_r 86.94 [1313-13-9]			
63545	pract. activated; contains $H_2O \sim$ 4%; J. Attenburrow et al., J. Chem. Soc. 1094 (1952); A. J. Fatiadi, Synthesis 65, 133 (1976); J. S. Pizey, Synthetic Reagents, Vol. III, 143 (1974); L. and M. Fieser, Reagents for Organic Synthesis, Vol. I, 637, II, 257, III, 191, IV, 317, V, 422, VI, 357		50 g 26.—	250 g 110.—



			sFr.	sFr.
Manganese(IV) oxide				
	MnO_2 M_r 86.94 [1313-13-9]			
63546	pract. ~80-85%; insolubles in HCl 3.5%; Loss on drying (105°) 0.1%; Fe 0.3%; SiO_2 3%		1 kg 8.—	5 kg 26.—
Manganese(II) perchlorate purum p.a. cryst.				
63550	5.1/4b $\text{Mn}(\text{ClO}_4)_2 \cdot 6\text{H}_2\text{O}$ $\text{Cl}_2\text{MnO}_8 \cdot 6\text{H}_2\text{O}$ M_r 361.95 [15364-94-0]		100 g 35.—	500 g 145.—
	Fluka-Guarantee:			
	Assay >98.0 %	Lead (Pb) <0.005%		
	Chloride (Cl) <0.005%	Iron (Fe) <0.005%		
	Sulfate (SO_4) <0.005%	Zinc (Zn) <0.005%		
	Copper (Cu) <0.005%	Calcium (Ca) <0.005%		
Manganese(II) sulfate pract. >90%(T)				
63555	$\text{MnSO}_4 \cdot \text{H}_2\text{O}$ $\text{MnO}_4\text{S} \cdot \text{H}_2\text{O}$ M_r 169.00 [7785-87-7]		1 kg 14.—	5 kg 60.—
D-Mannitol				
	$\text{HOCH}_2(\text{CHOH})_4\text{CH}_2\text{OH}$ $\text{C}_6\text{H}_{14}\text{O}_6$ M_r 182.18 [69-65-8]			
63560	puriss. p.a. for Bacteriology; $[\alpha]_{\text{D}}^{20} \xrightarrow{1\text{h}} 29.5 \pm 1^\circ$; $[\alpha]_{\text{D}}^{20} \xrightarrow{1\text{h}} +25.0 \pm 1^\circ$ (c = 10 in 8% borax solution); 1 g clearly and colourless soluble in 10 ml water		250 g 9.—	1 kg 28.—
	Fluka-Guarantee:			
	Loss on drying <0.1 %	Cadmium (Cd) <0.0001 %		
	Residue on ignition (as SO_4) <0.1 %	Zinc (Zn) <0.0001 %		
	Chloride (Cl) <0.005 %	Iron (Fe) <0.0005 %		
	Sulfate (SO_4) <0.005 %	Cobalt (Co) <0.0001 %		
	Copper (Cu) <0.0001%	Nickel (Ni) <0.0001 %		
	Lead (Pb) <0.0001%	Arsenic (As) <0.00001%		
D-Mannohexulose purum M.P. 151-155°; $[\alpha]_{\text{D}}^{20} +31 \pm 2^\circ$; $[\alpha]_{\text{D}}^{20} +28 \pm 2^\circ$ (c = 1 in water)				
63571	$\text{HOCH}_2(\text{CHOH})_4\text{COCH}_2\text{OH}$ $\text{C}_7\text{H}_{14}\text{O}_7$ M_r 210.19 [3615-44-9]		100 mg 25.—	500 mg 105.—
D-Mannosamine hydrochloride				
	$\text{HOCH}_2\text{CH}(\text{CHOH})_2\text{CH}(\text{NH}_2)\text{CH}(\text{OH})\text{O} \cdot \text{HCl}$ $\text{C}_6\text{H}_{13}\text{NO}_5 \cdot \text{HCl}$ M_r 215.64 [5505-63-5]			
63575	purum >98%(Cl); M.P. 170-175° dec.; $[\alpha]_{\text{D}}^{20} -4 \pm 1^\circ$ (c = 2 in water)		250 mg 31.—	1 g 115.—
L(+)-Mannose puriss. $[\alpha]_{\text{D}}^{20} \xrightarrow{24\text{h}} -16.5 \pm 0.5^\circ$; $[\alpha]_{\text{D}}^{20} \xrightarrow{24\text{h}} -13.5 \pm 0.5^\circ$ (c = 10 in water)				
63578	$\text{HOCH}_2\text{CH}(\text{CHOH})_4\text{O}$ $\text{C}_6\text{H}_{12}\text{O}_6$ M_r 180.16 [10030-80-5]		500 mg 60.—	
D(+)-Mannose				
	$\text{HOCH}_2\text{CH}(\text{CHOH})_4\text{O}$ $\text{C}_6\text{H}_{12}\text{O}_6$ M_r 180.16 [3458-28-4]			
63580	puriss. p.a. for Bacteriology; $[\alpha]_{\text{D}}^{20} \xrightarrow{24\text{h}} +17 \pm 0.5^\circ$; $[\alpha]_{\text{D}}^{20} \xrightarrow{24\text{h}} +15 \pm 0.5^\circ$ (c = 10 in water); 1 g clearly and colourless soluble in 10 ml water		25 g 14.—	100 g 50.—
	Fluka-Guarantee:			
	Loss on drying <0.1 %	Cadmium (Cd) <0.0001 %		
	Residue on ignition (as SO_4) <0.1 %	Zinc (Zn) <0.0001 %		
	Chloride (Cl) <0.005 %	Iron (Fe) <0.0005 %		
	Sulfate (SO_4) <0.005 %	Cobalt (Co) <0.0001 %		
	Copper (Cu) <0.0001%	Nickel (Ni) <0.0001 %		
	Lead (Pb) <0.0001%	Arsenic (As) <0.00001%		
Martins Yellow see 42150 2,4-Dinitro-1-naphthol				
May-Grünwald-Solution				
63590	3/5; 12° Standard Fluka for the staining of Blood elements, together with Giemsa-Solution for Pap stains according to Pappenheim	1 lt ≈ 0.79 kg	100 ml 7.—	500 ml 9.— 1 lt 15.—
MBTFA see 65945 N-Methyl-bis-trifluoroacetamide				
MCPA see 25190 4-Chloro-2-methylphenoxyacetic acid				
MCPBA see 25800 3-Chloroperbenzoic acid				
(-)-MDEB see 44220 (-)-N-Dodecyl-N-methylephedrinium bromide				
MDH see 63170 Malate Dehydrogenase				
Melamine purum >99%(NT); M.P. >300°; Ash <0.1% (sym.-Triaminotriazine)				
63600	$\text{NH}_2\text{C}_6\text{H}_3\text{NC}(\text{NH}_2)\text{NC}(\text{NH}_2)\text{N}$ $\text{C}_3\text{H}_6\text{N}_6$ M_r 126.12 [108-78-1]		250 g 7.—	1 kg 18.—
Melatonin (N-Acetyl-5-methoxytryptamine)				
	$\text{CH}_3\text{OOC}_6\text{H}_3\text{NHCH}_2\text{CH}_2\text{NHCOCH}_3$ $\text{C}_{13}\text{H}_{16}\text{N}_2\text{O}_2$ M_r 232.28 [73-31-4]			
63610	purum >98%(N); M.P. 116-118°; store in refrigerator; Neurohormone; Lit.: Am. Soc. 81, 6084 (1959)		250 mg 17.—	1 g 60.—

sFr.

sFr.

"Meldrum's acid" see 63395 cycl.-Isopropylidene malonate

D(+) -Melezitose Dihydrate $C_{18}H_{32}O_{16} \cdot H_2O$ M_r 522.48 [597-12-6]63620 puriss. p.a. for Bacteriology; M.P. $\sim 155^\circ$ dec.; $[\alpha]_{546}^{20} + 103.0 \pm 3^\circ$; $[\alpha]_D^{20} + 88.0 \pm 3^\circ$
(c = 4 in water); 1 g clearly and colourless soluble in 10 ml water

10 g 25. —

50 g 85. —

Fluka-Guarantee:

Residue on ignition

(as SO_4)

Chloride (Cl)

Sulfate (SO_4)

Copper (Cu)

Lead (Pb)

<0.1 %

<0.005 %

<0.005 %

<0.0001 %

<0.0001 %

Cadmium (Cd)

Iron (Fe)

Cobalt (Co)

Nickel (Ni)

Arsenic (As)

Zinc (Zn)

<0.0001 %

<0.0005 %

<0.0001 %

<0.0001 %

<0.00001 %

<0.0001 %

**D(+) -Melibiose Monohydrate** (6-O- α -D-Galactopyranosyl-D-glucose) $C_{12}H_{22}O_{11} \cdot H_2O$ M_r 360.32 [585-99-9]63630 puriss. p.a. for Bacteriology; M.P. $179-181^\circ$; $[\alpha]_{546}^{20 \rightarrow 10h} + 160 \pm 5^\circ$; $[\alpha]_D^{20 \rightarrow 10h} + 135 \pm 5^\circ$
(c = 5 in water); 1 g clearly and colourless soluble in 10 ml water

10 g 25. —

50 g 85. —

Fluka-Guarantee:

Residue on ignition

(as SO_4)

Chloride (Cl)

Sulfate (SO_4)

Copper (Cu)

Lead (Pb)

<0.1 %

<0.005 %

<0.005 %

<0.0001 %

<0.0001 %

Cadmium (Cd)

Zinc (Zn)

Iron (Fe)

Cobalt (Co)

Nickel (Ni)

Arsenic (As)

<0.0001 %

<0.0001 %

<0.0005 %

<0.0001 %

<0.0001 %

<0.00001 %

**Melissic acid** (Carboxylic acid C_{30} ; Triacontanoic acid) $CH_3(CH_2)_{28}COOH$ $C_{30}H_{60}O_2$ M_r 452.81 [506-50-3]63640 purum synth. $\sim 98\%$ (GC); M.P. $92-94^\circ$

250 mg 31. —

1 g 115. —

Melitriose see 83400 D(+) -Raffinose**Mellitic acid** (Benzenehexacarboxylic acid) $C_6(COOH)_6$ $C_{12}H_6O_{12}$ M_r 342.18 [517-60-2]63650 purum $>98\%$ (T); M.P. $\sim 285^\circ$ dec.; Ash $\sim 0.5\%$

10 g 30. —

50 g 125. —

MEM-chloride see 64735 2-Methoxyethoxymethyl chloride**Menadione** see 67900 2-Methyl-1,4-naphthoquinone**p-Mentha-1,3- and -1,4-diene** see 86475 and 86478 α - and γ -Terpinene**(-)-p-Mentha-1,5-diene** see 77429 R(-)- α -Phellandrene**(+)- and (-)-p-Mentha-1,8-diene** see 62120 and 62130 R(+)- and S(-)-Limonene**(+)-p-Menth-1-ene** [R(+)-4-Isopropyl-1-methylcyclohexene]3/3; 35° $CH_3C:CHCH_2CH(CH_2CH_2CH_3)CH_2CH_2$ $C_{10}H_{18}$ M_r 138.26 [1195-31-9]63655 puriss. $\sim 99\%$ (GC); B.P. $175-177^\circ$; d_4^{20} 0.822; n_D^{20} 1.457; $[\alpha]_{546}^{20} + 137 \pm 1^\circ$;
 $[\alpha]_D^{20} + 115 \pm 1^\circ$ (c = 10 in Ethanol); stab. with Hydroquinone1 lt $\approx$ 0.82 kg

10 ml 40. —

(+)-p-Menth-4(8)-en-3-one see 82569 Pulegone**(-)-Menthol** [(1R,2S,5R)-2-Isopropyl-5-methyl cyclohexanol] $(CH_3)_2CHCHCH_2CH_2CH(CH_3)CH_2CHOH$ $C_{10}H_{20}O$ M_r 156.27 [2216-51-5]63660 puriss. Ph. Helv.; $>99\%$ (GC); M.P. $42-43^\circ$; $[\alpha]_{546}^{20} - 58.0 \pm 1^\circ$; $[\alpha]_D^{20} - 50.0 \pm 1^\circ$
(c = 10 in Ethanol)

100 g 18. —

500 g 75. —

Menthol (Hexahydrothymol) $(CH_3)_2CHCHCH_2CH_2CH(CH_3)CH_2CHOH$ $C_{10}H_{20}O$ M_r 156.27 [1490-04-6]63670 pract. Mixture of Isomers; $>95\%$ (GC); 1 g clearly and colourless soluble in
10 ml Methanol

100 g 18. —

500 g 75. —

Menthone3/4; 78° $(CH_3)_2CHCHCH_2CH_2CH(CH_3)CH_2CO$ $C_{10}H_{18}O$ M_r 154.25 [10458-14-7]63680 purum Mixture of Isomers; B.P. $85-88^\circ$; d_4^{20} 0.896; n_D^{20} 1.4501 lt $\approx$ 0.90 kg

100 ml 30. —

(-)-Menthyl acetate3/4; 77° $(CH_3)_2CHCHCH_2CH_2CH(CH_3)CH_2CHOCOCH_3$ $C_{12}H_{22}O_2$ M_r 198.31 [89-48-5]45990 purum $\sim 97\%$ (GC); B.P. $224-228^\circ$; d_4^{20} 0.921; n_D^{20} 1.447;
 $[\alpha]_{546}^{20} - 85 \pm 5^\circ$; $[\alpha]_D^{20} - 75 \pm 5^\circ$ (c = 8 in Benzene)1 lt $\approx$ 0.92 kg

25 ml 21. —

100 ml 75. —

			sFr.	sFr.
	(-)-Menthylloxyacetic acid			
3/4	$(\text{CH}_3)_2\text{CHCHCH}_2\text{CH}_2\text{CH}(\text{CH}_3)\text{CH}_2\text{CHOCH}_2\text{COOH}$ $\text{C}_{12}\text{H}_{22}\text{O}_3$ M_r 214.31			
	[40248-63-3]			
63685	purum >98% (GC); B.P. 113-114°; $[\alpha]_{\text{D}}^{20} -108 \pm 3^\circ$; $[\alpha]_{\text{D}}^{20} -93 \pm 3^\circ$ (c = 10 in 95% Ethanol); For the separation of enantiomeric Amines, Amino acids, Alcohols and Phenols; S. H. Wilen in Topics in Stereochemistry, Vol. 6, edited by N. L. Allinger and E. L. Eliel, Wiley-Interscience, New York (1971)			
		1 lt $\approx$ 1.01 kg	5 ml 37. —	25 ml 155. —
	Menthyl salicylate			
	$\text{HOC}_6\text{H}_4\text{COOCHCH}_2\text{CH}(\text{CH}_3)\text{CH}_2\text{CH}_2\text{CHCH}(\text{CH}_3)_2$ $\text{C}_{17}\text{H}_{24}\text{O}_3$ M_r 276.38			
	[89-46-3]			
84320	purum B.P. 186-190°; d_4^{20} 1.049; n_D^{20} 1.520; Mixture of Isomers; Light protective agent			
		1 lt $\approx$ 1.05 kg	100 ml 18. —	500 ml 75. —
	Merbromin see 63869 Mercury dibromofluorescein			
	MERCAPTANS (Alkanethiols)			
	Mercaptan C₁ see 67778 Methanethiol			
	Mercaptan C₂ see 04290 Ethanethiol			
	Mercaptan C₃ see 82370 and 59590 1- and 2-Propanethiol			
	Mercaptan C₄ see 20210, 20220 and 20230 1- and 2-Butanethiol and 2-Methyl-2-propanethiol			
	Mercaptan C₅ see 76960 1-Pentanethiol			
	Mercaptan C₆ see 52870 and 52890 1- and 2-Hexanethiol			
	Mercaptan C₇ see 51840 1-Heptanethiol			
	Mercaptan C₈ see 74890 1-Octanethiol			
	Mercaptan C₉ see 74420 tert-Nonylmercaptan			
	Mercaptan C₁₀ see 30640 1-Decanethiol			
	Mercaptan C₁₂ see 44130 1-Dodecanethiol			
	Mercaptan C₁₆ see 52270 and 52320 1-Hexadecanethiol and tert-Hexadecylmercaptan			
	Mercaptan C₁₈ see 74731 1-Octadecanethiol			
	Mercaptoacetaldehyde trimer see 37685 2,5-Dihydroxy-1,4-dithiane			
	4'-Mercaptoacetanilide see 00381 4-Acetamidothiophenol			
	Mercaptoacetic acid see 88650 Thioglycolic acid			
	Mercaptoacetic acid Sodium salt (Sodium thioglycolate; Thioglycolic acid Sodium salt)			
	$\text{HSCH}_2\text{COONa}$ $\text{C}_2\text{H}_3\text{NaO}_2\text{S}$ M_r 114.10 [367-51-1]			
72040	purum $\sim$ 97% (RT); for Bacteriology; for sterility tests of culture-media			
			100 g 22. —	500 g 90. —
	2-Mercaptoaniline see 09489 2-Aminothiophenol			
	4-Mercaptoaniline see 09493 4-Aminothiophenol			
	2-Mercaptoanisole see 65358 2-Methoxythiophenol			
	3-Mercaptoanisole see 65359 3-Methoxythiophenol			
	4-Mercaptoanisole see 65357 4-Methoxythiophenol			
63710	2-Mercaptobenzimidazole pract. >95% (S); M.P. 300-304° (2-Benzimidazolethiol) $\text{C}_8\text{H}_4\text{NHC}(\text{SH})\text{:N}$ $\text{C}_7\text{H}_6\text{N}_2\text{S}$ M_r 150.20 [583-39-1]			
			100 g 8. —	500 g 26. —
	2-Mercaptobenzoic acid see 89040 Thiosalicylic acid			
	2-Mercaptobenzothiazole (2-Benzothiazolethiol)			
	$\text{C}_6\text{H}_4\text{SC}(\text{SH})\text{:N}$ $\text{C}_7\text{H}_6\text{NS}_2$ M_r 167.25 [149-30-4]			
63720	puriss. p.a. $\sim$99% (S); M.P. 178-181°; Ash <0.05%; Determination of: Ag, Au, Bi, Cd, Hg, Ir, Pt, Ti			
		10 g 7. —	50 g 24. —	250 g 100. —
63730	pract. $\sim$ 97% (S); M.P. 174-178°; Ash <2%			
			250 g 8. —	1 kg 25. —
63750	2-Mercaptobenzoxazole purum >98% (T); M.P. 192-195° (2-Benzoxazolethiol) $\text{C}_6\text{H}_4\text{OC}(\text{SH})\text{:N}$ $\text{C}_7\text{H}_6\text{NOS}$ M_r 151.19 [2382-96-9]			
			10 g 9. —	50 g 34. —

			sFr.	sFr.
2-Mercaptoethanol (Thioethylene glycol)				
6.1/81a; 77° HSCH ₂ CH ₂ OH C ₂ H ₆ OS M _r 78.13 [60-24-2]				
63690	puriss. p.a. B.P. ₁₂ 53-55°; d ₄ ²⁰ 1.115; n _D ²⁰ 1.500; a reducing agent in fluorescence reaction of o-phthaldialdehyde and amino acids in alkaline medium: M. Roth, Anal. Chem. 43, 880 (1971); and for the dissociation of proteins: J. Barshard, Science 131, 988 (1966); H.T. Keutmann, J.T. Potts, Anal. Biochem. 29, 175 (1966)	1 lt ≈ 1.12 kg	50 ml 7.— 250 ml 17.—	1 lt 60.—
Fluka-Guarantee:				
Assay (GC)		>99.0 %	Lead (Pb)	<0.00001%
Iron (Fe)		<0.00005%	Copper (Cu)	<0.00001%
Cobalt (Co)		<0.00001%	Cadmium (Cd)	<0.00001%
Nickel (Ni)		<0.00001%	Zinc (Zn)	<0.00001%
63700	purum >98%(GC); B.P. 154-158°; d ₄ ²⁰ 1.115; n _D ²⁰ 1.500	1 lt ≈ 1.12 kg	250 ml 10.—	1 lt 35.—
2-Mercaptoethylamine see 30070 Cysteamine				
2-Mercaptoethyl ether [Bis(2-mercaptoethyl) ether; 2,2'-Oxydiethanethiol]				
3/4 O(CH ₂ CH ₂ SH) ₂ C ₄ H ₁₀ OS ₂ M _r 138.25 [250-02-9]				
15001	pract. >95%(GC); B.P. ₁₈ 101° (Lit.); d ₄ ²⁰ 1.116; n _D ²⁰ 1.521	1 lt ≈ 1.12 kg	100 ml 22.— 500 ml 90.—	
4-Mercaptofluorobenzene see 47510 4-Fluorothiophenol				
2-Mercapto-1-methylimidazole (Methimazole; 1-Methyl-2-imidazolethiol)				
CH ₃ NC(SH):NCH:CH C ₄ H ₆ N ₂ S M _r 114.17 [60-56-0]				
63760	purum >97%(NT); M.P. 143-145°		10 g 12.— 50 g 50.—	
α-Mercapto-N-(2-naphthyl)acetamide see 88890 Thionalide				
N-(2-Mercaptophenyl)salicylimine see 84176 Salicylidenamine-2-thiophenol				
5-Mercapto-1-phenyltetrazole see 78820 1-Phenyl-5-mercaptotetrazole				
5-Mercapto-3-phenyl-1,3,4-thiadiazole-2(3H)-thione Potassium salt see 15110 Bismuthiol II				
3-Mercapto-1,2-propanediol see 88640 1-Thioglycerol				
2-Mercaptopropionic acid see 88880 Thiolactic acid				
3-Mercaptopropionic acid				
8/21 HSCH ₂ CH ₂ COOH C ₃ H ₆ O ₂ S M _r 106.14 [107-96-0]				
63770	puriss. >99%(GC); M.P. 16-18°; B.P. _{0.1} 78-80°; d ₄ ²⁰ 1.220; n _D ²⁰ 1.492	1 lt ≈ 1.22 kg	100 ml 18.— 500 ml 75.—	
63780	purum >98%; M.P. 15-18°; d ₄ ²⁰ 1.220; n _D ²⁰ 1.492	1 lt ≈ 1.22 kg	100 ml 13.— 500 ml 55.—	
63794	(2-Mercaptopropionyl)glycine purum >98%(RT); M.P. 93-96°		10 g 28.— 50 g 120.—	
6.1/81a CH ₃ CH(SH)CONHCH ₂ COOH C ₆ H ₉ NO ₃ S M _r 163.20 [1953-02-2]				
6-Mercaptopurine (6-Purinethiol; 6-Thiohypoxanthine)				
C ₅ H ₄ N ₄ S·H ₂ O M _r 170.19 [612-76-1]				
63810	puriss. >99%(NT); M.P. ~315° dec.		1 g 9.— 5 g 34.—	
6-Mercaptopurine-9-β-D-ribofuranoside [9-(β-D-Ribofuranosyl)-purine-6-thiol; 6-Thioinosine]				
C ₁₀ H ₁₂ N ₄ O ₄ S M _r 284.30 [574-25-4]				
63830	purum		250 mg 17.— 1 g 60.—	
2-Mercaptopyridine (2-Pyridinethiol; 2-Pyridylmercaptan)				
N:CHCH:CHCH:CSH C ₅ H ₅ NS M _r 111.17 [2637-34-5]				
63840	purum >98%(NT); M.P. 127-130°	5 g 9.—	25 g 33.— 100 g 120.—	
63844	2-Mercaptopyridine-1-oxide Sodium salt pract. M.P. ~250° dec. NaSCH:CHCH:CHCH:NO C ₅ H ₄ NNaOS M _r 149.15 [3811-73-2]		10 g 30.— 50 g 125.—	
63851	2-Mercaptopyrimidine purum >98%(NT); M.P. 241-248° (2-Pyrimidinethiol) N:CHCH:CHN:CSH C ₄ H ₄ N ₂ S M _r 112.15 [1450-85-7]		10 g 13.— 50 g 55.—	
8-Mercaptoquinoline hydrochloride see 88960 Thiooxine hydrochloride				
Mercaptosuccinic acid see 88460 Thiomalic acid				
2-Mercapto-2-thiazoline see 63860 2-Thiazoline-2-thiol				
4-Mercaptotoluene see 88860 p-Thiocresol				



sFr.

sFr.

3-Mercapto-1,2,4-triazole see 63870 1H-1,2,4-Triazole-3-thiol**3-Mercaptovaline** see 76398, 76400 and 79410 L-, D- and DL-Penicillamine**Mercuric acetate**

83362	6.1/53	(CH ₃ COO) ₂ Hg C ₄ H ₆ HgO ₄ M _r 318.68 [1600-27-7]		
		pract. ~95%; Reagent for the hydrolysis of vinyl halides to ketones: S. F. Martin, T. Chou, THL 1943 (1978)	100 g 18. —	500 g 75. —

Mercuric bromide

83364	6.1/53	HgBr ₂ Br ₂ Hg M _r 360.41 [7789-47-1]		
		purum p.a.	100 g 20. —	500 g 85. —
Fluka-Guarantee:				
		Assay	>98.0 %	Lead (Pb) <0.005%
		Residue on ignition (as SO ₄)	<0.05 %	Iron (Fe) <0.005%
		Sulfate (SO ₄)	<0.005%	Zinc (Zn) <0.005%
		Copper (Cu)	<0.005%	Calcium (Ca) <0.005%
83361		pract. >90% (Br)	100 g 14. —	500 g 60. —

Mercuric chloranilate see 23400 Chloranilic acid Mercury salt

83366		Mercuric chloride purum p.a.		
	6.1/53	HgCl ₂ Cl ₂ Hg M _r 271.50 [7487-94-7]	100 g 8. —	500 g 29. —
Fluka-Guarantee:				
		Assay	>98.0 %	Iron (Fe) <0.005%
		Sulfate (SO ₄)	<0.005%	Zinc (Zn) <0.005%
		Copper (Cu)	<0.005%	Calcium (Ca) <0.005%
		Lead (Pb)	<0.005%	

83358		Mercuric cyanide purum p.a. DAB	100 g 22. —	500 g 90. —
	6.1/53	Hg(CN) ₂ C ₂ HgN ₂ M _r 252.63 [592-04-1]		
Fluka-Guarantee:				
		Assay	>97.0 %	Lead (Pb) <0.005%
		Chloride (Cl)	<0.005%	Iron (Fe) <0.005%
		Sulfate (SO ₄)	<0.01 %	Zinc (Zn) <0.005%
		Copper (Cu)	<0.005%	Calcium (Ca) <0.005%

83367		Mercuric iodide red purum p.a.	100 g 15. —	500 g 63. —
	6.1/53	HgI ₂ M _r 454.40 [7774-29-0]		

83369		Mercuric nitrate purum p.a.	100 g 18. —	500 g 75. —
	6.1/53	Hg(NO ₃) ₂ HgN ₂ O ₆ M _r 324.60 [10045-94-0]		
Fluka-Guarantee:				
		Assay	>97.0 %	Lead (Pb) <0.005%
		Chloride (Cl)	<0.005%	Iron (Fe) <0.005%
		Sulfate (SO ₄)	<0.005%	Zinc (Zn) <0.005%
		Copper (Cu)	<0.005%	Calcium (Ca) <0.005%

83373		Mercuric oxide red purum p.a. DAB (Mercury(II)-oxide)	100 g 15. —	500 g 63. —
	6.1/53	HgO M _r 216.59 [21908-53-2]		
Fluka-Guarantee:				
		Assay	>98.0 %	Iron (Fe) <0.005%
		Chloride (Cl)	<0.1 %	Zinc (Zn) <0.005%
		Copper (Cu)	<0.005%	Calcium (Ca) <0.005%
		Lead (Pb)	<0.005%	

83368		Mercuric oxide yellow purum p.a.	100 g 12. —	500 g 46. —
	6.1/53	HgO M _r 216.59 [21908-53-2]		
Fluka-Guarantee:				
		Assay	>98.0 %	Lead (Pb) <0.005%
		Chloride (Cl)	<0.005%	Zinc (Zn) <0.005%
		Copper (Cu)	<0.005%	

Mercuric sulfate

83372	6.1/53	HgSO ₄ HgO ₄ S M _r 296.65 [7783-35-9]	50 g 14. —	250 g 50. —
		purum p.a.		
Fluka-Guarantee:				
		Assay	>98.0 %	Iron (Fe) <0.005%
		Chloride (Cl)	<0.01 %	Zinc (Zn) <0.005%
		Copper (Cu)	<0.005%	Calcium (Ca) <0.005%
		Lead (Pb)	<0.005%	
83378		pract.	250 g 24. —	

					sFr.	sFr.
83376	Mercuric sulfide red purum p.a.				100 g 25. —	500 g 105. —
6.1/53	HgS M_r 232.65 [1344-48-5]					
	Fluka-Guarantee:					
	Assay	>98.0 %	Zinc (Zn)	<0.005 %		
	Copper (Cu)	<0.005 %	Calcium (Ca)	<0.01 %		
	Lead (Pb)	<0.005 %				
83374	Mercuric thiocyanate purum p.a.				100 g 25. —	500 g 105. —
6.1/53	Hg(SCN) ₂ C ₂ HgN ₂ S ₂ M_r 316.75 [592-85-8]					
	Fluka-Guarantee:					
	Assay	>98.0 %	Sulfate (SO ₄)	<0.005 %		
	Copper (Cu)	<0.005 %	Zinc (Zn)	<0.005 %		
	Lead (Pb)	<0.005 %	Calcium (Ca)	<0.005 %		
Mercurochrome see 63869 Mercury dibromofluorescein						
83365	Mercurous chloride purum p.a. DAB				100 g 15. —	500 g 63. —
6.1/53	Hg ₂ Cl ₂ M_r 472.09 [10112-91-1]					
	Fluka-Guarantee:					
	Assay	>98.0 %	Iron (Fe)	<0.005 %		
	Copper (Cu)	<0.005 %	Zinc (Zn)	<0.005 %		
	Lead (Pb)	<0.005 %	Calcium (Ca)	<0.005 %		
83375	Mercurous iodide yellow purum				100 g 22. —	500 g 90. —
6.1/53	Hg ₂ I ₂ M_r 654.98 [15385-57-6]					
83363	Mercurous nitrate purum p.a.				100 g 18. —	500 g 75. —
6.1/53	Hg ₂ (NO ₃) ₂ ·2H ₂ O Hg ₂ N ₂ O ₆ ·2H ₂ O M_r 561.22 [10415-75-5]					
	Fluka-Guarantee:					
	Assay	>98.0 %	Lead (Pb)	<0.005 %		
	Chloride (Cl)	<0.005 %	Iron (Fe)	<0.005 %		
	Sulfate (SO ₄)	<0.005 %	Zinc (Zn)	<0.005 %		
	Copper (Cu)	<0.005 %	Calcium (Ca)	<0.005 %		
83371	Mercurous sulfate purum p.a.				100 g 28. —	500 g 120. —
6.1/53	Hg ₂ SO ₄ Hg ₂ O ₄ S M_r 497.24 [7783-36-0]					
	Fluka-Guarantee:					
	Assay	>97.0 %	Iron (Fe)	<0.005 %		
	Chloride (Cl)	<0.005 %	Zinc (Zn)	<0.005 %		
	Copper (Cu)	<0.005 %	Calcium (Ca)	<0.005 %		
	Lead (Pb)	<0.005 %				
Mercury						
6.1/53	Hg A_r 200.59 [7439-97-6]					
83359	puriss. p.a. 99.9999 %				100 g 30. —	
83360	puriss. p.a. 99.999 %; Cu <1 ppm; Ag <0.1 ppm				100 g 15. —	500 g 50. —
Mercury Ion Standard Solution FLUKA						
83357	1.000 g Mercury/Liter/20°C; prepared from Hg(NO ₃) ₂ ; pH 1.5 adjusted with HNO ₃			1 lt ≈ 1.00 kg	500 ml 18. —	
Mercurydiphenyl see 43280 Diphenylmercury						
Mercury dibromofluorescein (2',7'-Dibromo-4'-hydroxy mercuri fluorescein Disodium salt; Merbromin; Mercurochrome)						
	C ₂₀ H ₈ Br ₂ HgNa ₂ O ₆ ·3H ₂ O M_r 804.75 [129-16-8] + [25295-30-1]					
63869	purum				100 g 18. —	500 g 75. —
Mercury phenyl acetate see 79120 Phenylmercuric acetate						
Merrifield Polymer FLUKA (Chloromethylated Styrene-Divinylbenzene Resin)						
63865	200-400 mesh; 1% Divinylbenzene; 0.67 m Mol Cl/g Resin				10 g 30. —	50 g 125. —
63866	200-400 mesh; 1% Divinylbenzene; 1.04 m Mol Cl/g Resin				10 g 30. —	50 g 125. —
63871	200-400 mesh; 2% Divinylbenzene; 0.7 m Mol Cl/g Resin				10 g 30. —	50 g 125. —
63874	200-400 mesh; 2% Divinylbenzene; 2.63 m Mol Cl/g Resin				10 g 30. —	50 g 125. —
63872	200-400 mesh; 2% Divinylbenzene; 3.5 m Mol Cl/g Resin				10 g 30. —	50 g 125. —
63873	200-400 mesh; 2% Divinylbenzene; ~5 m Mol Cl/g Resin				10 g 30. —	50 g 125. —
MES see 69892 2-Morpholinoethane sulfonic acid						
63880	Mesaconic acid purum >99%(T); M.P. 202-204° (Methylfumaric acid) HOOCCH:C(CH ₃)COOH C ₅ H ₆ O ₄ M_r 130.10 [498-24-8]				25 g 24. —	100 g 90. —

			sFr.	sFr.
	Mesidine see 92290 2,4,6-Trimethylaniline			
	Mesitaldehyde (2-Formylmesitylene; 2-Formyl-1,3,5-trimethylbenzene; 2,4,6-Trimethylbenzaldehyde) (CH ₃) ₃ C ₆ H ₂ CHO C ₁₀ H ₁₂ O M _r 148.21 [487-68-3] 63900 purum >98%(GC); M.P. 10-12°; B.P. _{0.05} 73-75°; d ₄ ²⁰ 1.022; n _D ²⁰ 1.553; stab. with 0.1% Hydroquinone			
		1 lt ≈ 1.02 kg	10 ml 32. —	50 ml 135. —
	Mesitol see 92710 2,4,6-Trimethylphenol			
	Mesitylene (1,3,5-Trimethylbenzene) 3/4; 57° (CH ₃) ₃ C ₆ H ₃ C ₉ H ₁₂ M _r 120.20 [108-67-8] 63910 puriss. ~99%(GC); B.P. 163-165°; d ₄ ²⁰ 0.865; n _D ²⁰ 1.498			
		1 lt ≈ 0.87 kg	100 ml 7. —	500 ml 17. —
63911	purum >97%(GC); d ₄ ²⁰ 0.865; n _D ²⁰ 1.498	1 lt ≈ 0.87 kg	250 ml 10. —	2.5 lt 70. — 1 lt 35. —
	2-Mesitylenecarboxylic acid see 92310 2,4,6-Trimethylbenzoic acid			
63935	2-Mesitylenesulfonic acid Dihydrate purum >98%(T); M.P. 76-78°; hygroscopic 8/21 (CH ₃) ₃ C ₆ H ₂ SO ₃ H.2H ₂ O C ₉ H ₁₂ O ₃ S.2H ₂ O M _r 236.29 [3453-83-6]		25 g 33. —	100 g 120. —
	o-Mesitylenesulfonylacethydroxamic acid ethylester see 63936 Ethyl o-mesitylenesulfonyl acethydroxamate			
	2-Mesitylenesulfonyl chloride (2,4,6-Trimethylbenzenesulfonyl chloride) 8/12 (CH ₃) ₃ C ₆ H ₂ SO ₂ Cl C ₉ H ₁₁ ClO ₂ S M _r 218.70 [773-64-8] 63932 puriss. >99%(Cl); M.P. 54-56°; Coupling reagent in Polynucleotide synthesis: S.A. Narang, H. G. Khorana, J. Am. Chem. Soc. 87, 2981 (1965); "A selective sulfonating agent for Carbohydrates": S.E. Creasy, R.D. Guthrie, J. Chem. Soc. Perkin I, 1373 (1974)			
			25 g 33. —	100 g 130. —
	1-(2-Mesitylene sulfonyl)imidazole (CH ₃) ₃ C ₆ H ₂ SO ₂ NCH:CHN:CH C ₁₂ H ₁₄ N ₂ O ₂ S M _r 250.32 [50257-39-1] 63937 purum >97%(NT); M.P. 95-97°; free acid <3%; Reagent for Polynucleotide synthesis; Yu. A. Berlin et al., THL 1353 (1973)			
			5 g 18. —	25 g 75. —
	1-(2-Mesitylenesulfonyl)-1H-1,2,4-triazole (CH ₃) ₃ C ₆ H ₂ SO ₂ NN:CHN:CH C ₁₁ H ₁₃ N ₃ O ₂ S M _r 251.31 [54230-59-0] 63938 purum >98%(N); M.P. 133-135°; "condensing reagent in the synthesis of polynucleotides of defined sequence"; N. Katagiri, K. Itakura, S.A. Nasang, Chem. Commun. 325 (1974); N. Katagiri, K. Hakura, S.A. Narang, J. Am. Chem. Soc. 97, 7332 (1975)			
			5 g 32. —	25 g 135. —
	Mesitylenic acid see 39600 3,5-Dimethylbenzoic acid			
	Mesityl oxide (4-Methyl-4-penten-2-one) 3/3; 31° (CH ₃) ₂ C:CHCOCH ₃ C ₆ H ₁₀ O M _r 98.15 [141-79-7] 63940 purum ~97%(GC); B.P. 128-130°; d ₄ ²⁰ 0.854; n _D ²⁰ 1.444			
		1 lt ≈ 0.85 kg	250 ml 7. —	1 lt 12. —
	Mesotartaric acid see 95450 meso-Tartaric acid Monohydrate			
	Mesoxalic acid hydrate (Dihydroxymalonic acid; Ketomalonic acid; Oxomalonic acid) (HO) ₂ C(COOH) ₂ C ₃ H ₄ O ₆ M _r 136.06 [560-27-0] 63980 puriss. ~99%(RT); M.P. 118-120° dec.			
			5 g 16. —	25 g 67. —
71740	Mesoxalic acid Disodium salt purum >99%(RT) (Sodium mesoxalate) (HO) ₂ C(COONa) ₂ C ₃ H ₂ Na ₂ O ₆ M _r 180.02 [31635-99-1]		10 g 22. —	50 g 90. —
	Mesyl chloride see 64260 Methanesulfonyl chloride			
	Metabolic Intermediates see green section			
63990	Metaldehyde pract. powder M.P. 243-246° (sealed tube) 4.1/11; 31° (CH ₃ CHO) _n (C ₂ H ₄ O) _n M _r (44.05) _n [9002-91-9]		250 g 11. —	1 kg 38. —
	Metallphthalein see 64000 o-Cresolphthalein complexone			
	Metanil Yellow [C.I. Nr. 13065; Sch. Nr. 169] 4-C ₆ H ₄ NHC ₆ H ₄ N:NC ₆ H ₄ -3-SO ₃ Na C ₁₈ H ₁₄ N ₃ NaO ₃ S M _r 375.38 [587-98-4] 64010 Standard Fluka for Microscopy (Hist.); Indicator pH 1.2-2.8			
			25 g 7. —	100 g 18. —
	Methacrolein (2-Methyl-2-propenal) CH ₂ :C(CH ₃)CHO C ₄ H ₆ O M _r 70.09 [78-85-3] 64030 pract. ~95%(GC); B.P. 64-66°; d ₄ ²⁰ 0.844; n _D ²⁰ 1.415			
		1 lt ≈ 0.84 kg	100 ml 15. —	500 ml 63. —
				1 lt 120. —

				sFr.	sFr.
64090	Methacrylamide purum >98%(T); M.P. 106-109° CH ₂ :C(CH ₃)CONH ₂ C ₄ H ₇ NO M _r 85.11 [79-39-0]			250 g 13.—	1 kg 45.—
	Methacrylic acid (2-Methylacrylic acid) 8/21; 77° CH ₂ :C(CH ₃)COOH C ₄ H ₆ O ₂ M _r 86.09 [79-41-4]				
64050	purum monomer >98%(GC); M.P. 12-16°; B.P. 162-164°; d ₄ ²⁰ 1.015; n _D ²⁰ 1.431; stab. with 250 ppm Hydroquinone-monomethylether; store in refrigerator	1 lt ≈ 1.02 kg	250 ml 8.—	1 lt 22.—	
	Methacrylic acid 2,3-epoxypropyl ester see 64161 Glycidyl methacrylate				
	Methacrylonitrile 6.1/2b; -1° CH ₂ :C(CH ₃)CN C ₄ H ₅ N M _r 67.09 [126-98-7]				
64040	purum >99%(GC); B.P. 90-92°; d ₄ ²⁰ 0.800; n _D ²⁰ 1.400; stab. with 0.1% Hydroquinone; store in refrigerator	1 lt ≈ 0.80 kg	100 ml 9.—	500 ml 34.—	1 lt 75.—
	3-Methacryloylaminopropyl trimethyl ammoniumchloride CH ₂ :C(CH ₃)CONHCH ₂ CH ₂ CH ₂ N(CI)(CH ₃) ₃ C ₁₀ H ₂₁ ClN ₂ O M _r 220.74				
64035	pract. ~50% in water	1 lt ≈ 1.04 kg	500 ml 24.—		
	Methacryloyl chloride 8/22 CH ₂ :C(CH ₃)COCl C ₄ H ₅ ClO M _r 104.54 [920-46-7]				
64120	purum dest. >98%(Cl); B.P. 99° (Lit.); d ₄ ²⁰ 1.082; n _D ²⁰ 1.443; stab. with 0.01% 2,6-Di-tert-butyl-p-cresol; store in refrigerator	1 lt ≈ 1.08 kg	50 ml 17.—	250 ml 70.—	
	β-Methallyl alcohol ("Isobutenol"; 2-Methyl-2-propen-1-ol) 3/3; 32° CH ₂ :C(CH ₃)CH ₂ OH C ₄ H ₈ O M _r 72.11 [513-42-8]				
64220	purum ~98%(GC); B.P. 110-114°; d ₄ ²⁰ 0.85; n _D ²⁰ 1.426	1 lt ≈ 0.85 kg	100 ml 14.—	500 ml 60.—	
	β-Methallyl chloride (3-Chloro-2-methyl-1-propene) 3/1a; -10° CH ₂ :C(CH ₃)CH ₂ Cl C ₄ H ₇ Cl M _r 90.55 [563-47-3]				
64230	purum >97%(GC); B.P. 71-74°; d ₄ ²⁰ 0.925; n _D ²⁰ 1.427	1 lt ≈ 0.92 kg	250 ml 11.—	1 lt 38.—	
	Methane (Alkane C ₁) 2/1b CH ₄ M _r 16.04 [74-82-8]				
64242	puriss. >99.9%(GC) + N ₂ + Ethane + CO ₂ Cyl. with 0.5 lt, net ~32 g (45 lt)		550.—		
64252	purum >99%(GC) + 0.5% Ethylene + 0.45% N ₂ + 0.05% O ₂ ; B.P. -161.7°				
64254	Cyl. with 5 lt (0.75 m ³) 480.— (price of gas 190.—) Cyl. with 20 lt (3.0 m ³) 700.— (price of gas 460.—)				
	Methanesulfonic acid 8/21 CH ₃ SO ₃ H CH ₄ O ₃ S M _r 96.10 [75-75-2]				
64280	puriss. >99%(T); M.P. 17-19°; B.P. 120-122°; d ₄ ²⁰ 1.483; n _D ²⁰ 1.429	1 lt ≈ 1.48 kg	100 ml 25.—	500 ml 105.—	
64285	pract. ~98%(T)	1 lt ≈ 1.41 kg	100 ml 10.—	500 ml 42.—	
64290	techn. 70% in water; d ₄ ²⁰ 1.45; n _D ²⁰ 1.415	1 lt ≈ 1.45 kg	250 ml 13.—	1 lt 45.—	
64295	Methanesulfonic anhydride pract. >96%(T); M.P. 61-65°; sensitive to moisture 8/21 (CH ₃ SO ₂) ₂ O C ₂ H ₆ O ₅ S ₂ M _r 174.20 [7143-01-3]		25 g 35.—		
	Methanesulfonyl chloride (Mesylchloride) 8/22 CH ₃ SO ₂ Cl CH ₃ ClO ₂ S M _r 114.55 [124-63-0]				
64260	puriss. >99.5%(Cl); B.P. 53-55°; d ₄ ²⁰ 1.474; n _D ²⁰ 1.452	1 lt ≈ 1.47 kg	100 ml 14.—	500 ml 60.—	
64270	purum >98%(Cl); B.P. 160-163°; d ₄ ²⁰ 1.475; n _D ²⁰ 1.452	1 lt ≈ 1.48 kg	250 ml 17.—	1 lt 60.—	
	1-Methanesulfonyl imidazole (1-Methylsulfonylimidazole) CH ₃ SO ₂ NCH:CHN:CH C ₄ H ₆ N ₂ O ₂ S M _r 146.17 [40736-26-3]				
64298	purum >97%(S); M.P. 86-88°		10 g 25.—	50 g 105.—	
	Methanethiol purum >98% (Methylmercaptan) 2/3bt CH ₃ SH CH ₄ S M _r 48.11 [74-93-1]				
67778		1 lt ≈ 0.87 kg	Ampoules of 25 ml 15.—		
67779		1 lt ≈ 0.87 kg	Ampoules of 100 ml 32.—		
67781	2/11bt	Pressure tin with 250 ml, net ~205 g	250 ml 45.— (Reg. valve 83547)		
67783	2/3bt	Cyl. with ~2.3 kg	340.— (price of gas 240.—)		
67785	2/3bt	Cyl. with ~5.0 kg	500.— (price of gas 400.—)		
	Methanol see 65540 Methyl alcohol				
	Methanol-d₁ (mono-Deuteromethanol; Methyl alcohol-d ₁) CH ₃ OD CH ₃ DO M _r 33.05 [1455-13-6]				
31371	puriss. >99.9 Atom% D	1 lt ≈ 0.81 kg	10 ml 12.—	25 ml 35.—	100 ml 130.—

			sFr.	sFr.
	Methanol-d₄ (Tetraduteromethanol) 3/5; 11° CD ₃ OD CD ₄ O M _r 36.07			
87242	puriss. >99.95 Atom% D (with Fluka-Guarantee)		Package of 10 × 0.5 ml	105. —
87243	puriss. >99.8 Atom% D (with Fluka-Guarantee)	1 lt ≈ 0.89 kg	1 ml 12. —	10 ml 95. —
87245	purum >99.5 Atom% D; <0.1% H ₂ O + D ₂ O (with Fluka-Guarantee)	1 lt ≈ 0.89 kg	5 ml 42. —	25 ml 175. —
	4,7-Methano-3a,4,7,7a-tetrahydroindene see 36691 Dicyclopentadiene			
	Methemoglobin see 51290 Hemoglobin ex Bovine blood			
	Methimazole see 63760 2-Mercapto-1-methylimidazole			
	L-Methionine (L-2-Amino-4-methylmercaptobutyric acid) CH ₃ SCH ₂ CH ₂ CH(NH ₂)COOH C ₅ H ₁₁ NO ₂ S M _r 149.21 [63-68-3]			
64320	puriss. p.a. [α] _D ²⁰ + 28.7 ± 0.5°; [α] _D ²⁰ + 23.7 ± 0.5° (c = 5 in 5n HCl)		25 g 8. —	100 g 25. —
	Fluka-Guarantee:			
	Assay	>99.0%	Ammonium (NH ₄)	<0.01 %
	Other amino acids	<0.3 %	Copper (Cu)	<0.0001%
	Loss on drying	<0.1 %	Lead (Pb)	<0.0001%
	Residue on ignition (as SO ₄)	<0.1 %	Iron (Fe)	<0.0005%
	Chloride (Cl)	<0.01%	Zinc (Zn)	<0.0001%
	Sulfate (SO ₄)	<0.01%	Cadmium (Cd)	<0.0001%
64330	D-Methionine puriss. CHR >99%(NT); [α] _D ²⁰ - 28.7 ± 0.5°; [α] _D ²⁰ - 23.7 ± 0.5° (c = 5 in 5n HCl) CH ₃ SCH ₂ CH ₂ CH(NH ₂)COOH C ₅ H ₁₁ NO ₂ S M _r 149.21 [348-67-4]		5 g 20. —	25 g 85. —
64340	DL-Methionine puriss. CHR ~99%(NT); M.P. ~280° dec.; Ash <0.05% CH ₃ SCH ₂ CH ₂ CH(NH ₂)COOH C ₅ H ₁₁ NO ₂ S M _r 149.21 [59-51-8]	100 g 7. —	500 g 17. —	1 kg 32. —
	5-Methionine Enkephalin (Enkephalin M) H-Tyr-Gly-Gly-Phe-Met-OH			
64365	puriss.; opiate receptor blocking peptide: J. Hughes et al., Nature 258, 577-579 (1975)		100 mg 225. —	
	L-Methionine ethyl ester hydrochloride CH ₃ SCH ₂ CH ₂ CH(NH ₂)COOC ₂ H ₅ .HCl C ₇ H ₁₅ NO ₂ S.HCl M _r 213.73 [2899-36-7]			
64350	puriss. ~99%(Cl); M.P. 84-87°; [α] _D ²⁰ + 26 ± 2°; [α] _D ²⁰ + 20 ± 2° (c = 2.2 in C ₂ H ₅ OH)		5 g 13. —	25 g 55. —
	L-Methionine methyl ester hydrochloride CH ₃ SCH ₂ CH ₂ CH(NH ₂)COOCH ₃ .HCl C ₆ H ₁₃ NO ₂ S.HCl M _r 199.70 [2491-18-1]			
64370	puriss. >99%(Cl); M.P. 148-150°; [α] _D ²⁰ + 31.5 ± 0.5°; [α] _D ²⁰ + 26.0 ± 0.5° (c = 5 in water)		10 g 22. —	50 g 90. —
	DL-Methionine methylsulfonium bromide (Vitamin U) (CH ₃) ₂ S(Br)CH ₂ CH ₂ CH(NH ₂)COOH C ₆ H ₁₄ BrNO ₂ S M _r 244.16 [1115-84-0]			
64380	purum >98%(Br); M.P. 135-140° dec.		100 g 25. —	500 g 105. —
	DL-Methioninemethylsulfonium chloride (CH ₃) ₂ S(Cl)CH ₂ CH ₂ CH(NH ₂)COOH C ₆ H ₁₄ ClNO ₂ S M _r 199.70 [3493-12-7]			
64382	puriss. >99%(Cl); M.P. 139-140° dec.; Ash <0.1%; 1 g clearly and colourless soluble in 10 ml water		50 g 13. —	250 g 55. —
	L-Methionine sulfone CH ₃ SO ₂ CH ₂ CH ₂ CH(NH ₂)COOH C ₅ H ₁₁ NO ₄ S M _r 181.21 [7314-32-1]			
64400	puriss. CHR; M.P. ~275° dec.; [α] _D ²⁰ + 14.5 ± 1°; [α] _D ²⁰ + 12.0 ± 1° (c = 2 in water)		1 g 8. —	5 g 26. —
64410	DL-Methionine sulfone puriss. CHR; >99%(NT); M.P. ~250° dec. CH ₃ SO ₂ CH ₂ CH ₂ CH(NH ₂)COOH C ₅ H ₁₁ NO ₄ S M _r 181.21 [820-10-0]		5 g 24. —	25 g 100. —
	L-Methionine sulfoxide CH ₃ SOCH ₂ CH ₂ CH(NH ₂)COOH C ₅ H ₁₁ NO ₃ S M _r 165.21 [3226-65-1]			
64420	puriss. >99%(NT); M.P. ~255° dec.; [α] _D ²⁰ + 52 ± 1°; [α] _D ²⁰ + 48 ± 1° (c = 5 in 3n HCl)		5 g 26. —	
64430	DL-Methionine sulfoxide puriss. ~99%(NT); M.P. ~240° dec.; Ash <0.05% CH ₂ SOCH ₂ CH ₂ CH(NH ₂)COOH C ₅ H ₁₁ NO ₃ S M _r 165.21 [454-41-1]		5 g 18. —	
	L-Methioninol CH ₃ SCH ₂ CH ₂ CH(NH ₂)CH ₂ OH C ₆ H ₁₃ NOS M _r 135.23 [2899-37-8]			
64398	purum >98%(NT); [α] _D ²⁰ - 25 ± 1°; [α] _D ²⁰ - 21 ± 1° (c = 1 in water); store in refrigerator		250 mg 23. —	1 g 85. —
64480	L-Methionyl-glycine puriss. CH ₃ SCH ₂ CH ₂ CH(NH ₂)CONHCH ₂ COOH C ₇ H ₁₄ N ₂ O ₃ S M _r 206.26 [14486-03-4]		250 mg 14. —	1 g 50. —



			sFr.	sFr.
64500	L-Methionyl-L-isoleucine puriss. CHR $\text{CH}_3\text{SCH}_2\text{CH}_2\text{CH}(\text{NH}_2)\text{CONHCH}(\text{COOH})\text{CH}(\text{CH}_3)\text{CH}_2\text{CH}_3$ $\text{C}_{11}\text{H}_{22}\text{N}_2\text{O}_3\text{S}$ M_r 262.37 [40883-17-8]		250 mg 35.—	
	L-Methionyl-L-phenylalanine $\text{CH}_3\text{SCH}_2\text{CH}_2\text{CH}(\text{NH}_2)\text{CONHCH}(\text{CH}_2\text{C}_6\text{H}_5)\text{COOH}$ $\text{C}_{14}\text{H}_{20}\text{N}_2\text{O}_3\text{S}$ M_r 296.39 [14492-14-9]			
64541	puriss. CHR >99% (T); M.P. 261-262°; $[\alpha]_{546}^{20} + 38.5 \pm 0.5^\circ$; $[\alpha]_D^{20} + 32.0 \pm 0.5^\circ$ (c = 2 in 80% Acetic acid)		250 mg 29.—	1 g 105.—
	Methocel MC purum USP methoxyl content: 27.5-32% (Methylcellulose) [9004-67-5]			
64610	25 mPa.s, Viscosity 20- 30 mPa.s 2% in water, 20°		100 g 11.—	500 g 44.—
64620	400 mPa.s, Viscosity 350- 550 mPa.s 2% in water, 20°		100 g 11.—	500 g 44.—
64625	1500 mPa.s, Viscosity 1200-1800 mPa.s 2% in water, 20°		100 g 11.—	500 g 44.—
64630	4000 mPa.s, Viscosity 3000-5600 mPa.s 2% in water, 20°		100 g 11.—	500 g 44.—
	Methocel 60 HG			
64655	purum methoxyl content: 28-30%; 50 mPa.s; Ash <1%; Loss on drying <5%		100 g 11.—	500 g 44.—
	Methocel 65 HG			
64670	pract. methoxyl content: 27-29%; hydroxypropyl content: 5.5-7.5%; 4000 mPa.s; Viscosity 3000-5600 mPa.s 2% in water; 20°		100 g 11.—	500 g 44.—
	Methocel 90 HG			
64680	pract. methoxyl content: 22-27%; hydroxypropyl content: 4-12%; 4000 mPa.s; Viscosity 3000-5600 mPa.s 2% in water; 20°		100 g 11.—	500 g 44.—
64683	(15-Methoxinin)-Human-Gastrin I		5 mg 2000.—	
	Methoxsalen see 95560 Xanthotoxin			
	Methoxyacetaldehyde dimethyl acetal (1,1,2-Trimethoxyethane) 3/3; 30° $\text{CH}_3\text{OCH}_2\text{CH}(\text{OCH}_3)_2$ $\text{C}_5\text{H}_{12}\text{O}_3$ M_r 120.15 [24332-20-5]			
64685	purum >99% (GC); d_4^{20} 0.954; n_D^{20} 1.932	1 lt $\approx$ 0.95 kg	50 ml 16.—	250 ml 67.—
	Methoxyacetic acid $\text{CH}_3\text{OCH}_2\text{COOH}$ $\text{C}_3\text{H}_6\text{O}_3$ M_r 90.08 [625-45-6]			
64960	purum >97% (GC); M.P. 7-9°; B.P. 200-203°; d_4^{20} 1.175; n_D^{20} 1.417	1 lt $\approx$ 1.18 kg	100 ml 11.—	500 ml 46.—
	Methoxyacetonitrile 6.1/2b; 32° $\text{CH}_3\text{OCH}_2\text{CN}$ $\text{C}_3\text{H}_5\text{NO}$ M_r 71.08 [1738-36-9]			
64690	purum >99% (GC); B.P. 118-121°; d_4^{20} 0.950; n_D^{20} 1.382	1 lt $\approx$ 0.95 kg	10 ml 25.—	50 ml 105.—
	2-Methoxyacetophenone (2-Acetylanisole) $\text{CH}_3\text{OC}_6\text{H}_4\text{COCH}_3$ $\text{C}_9\text{H}_{10}\text{O}_2$ M_r 150.18 [579-74-8]			
64700	purum >99% (GC); B.P. 245-248°; d_4^{20} 1.089; n_D^{20} 1.539	1 lt $\approx$ 1.09 kg	10 ml 11.—	50 ml 46.—
	3-Methoxyacetophenone (3-Acetylanisole) $\text{CH}_3\text{OC}_6\text{H}_4\text{COCH}_3$ $\text{C}_9\text{H}_{10}\text{O}_2$ M_r 150.18 [586-37-8]			
64701	purum >99% (GC); B.P. 246° (Lit.); d_4^{20} 1.094; n_D^{20} 1.540	1 lt $\approx$ 1.09 kg	25 ml 10.—	100 ml 35.—
64710	4-Methoxyacetophenone purum >99%; M.P. 37-39° (4-Acetylanisole) $\text{CH}_3\text{OCC}_6\text{H}_4\text{COCH}_3$ $\text{C}_9\text{H}_{10}\text{O}_2$ M_r 150.18 [100-06-1]		100 g 9.—	500 g 34.—
	Methoxyamine hydrochloride see 67546 O-Methyl-hydroxylamine hydrochloride			
	2-, 3- and 4-Methoxyaniline see 10460, 10480 and 10490 o-, m- and p-Anisidine			
64760	4-Methoxyazobenzene puriss. M.P. 54-56° (4-Phenylazo-anisole) $\text{CH}_3\text{OC}_6\text{H}_4\text{N}=\text{NC}_6\text{H}_5$ $\text{C}_{13}\text{H}_{12}\text{N}_2\text{O}$ M_r 212.25 [2396-60-3]	5 g 24.—	10 g 45.—	50 g 190.—
	2-Methoxybenzaldehyde (o-Anisaldehyde; Salicylaldehyde methyl ether) $\text{CH}_3\text{OC}_6\text{H}_4\text{CHO}$ $\text{C}_8\text{H}_8\text{O}_2$ M_r 136.15 [135-02-4]			
64770	pract. $\sim$ 97% (GC); M.P. 35-37°		100 g 18.—	500 g 75.—
	3-Methoxybenzaldehyde (m-Anisaldehyde) $\text{CH}_3\text{OC}_6\text{H}_4\text{CHO}$ $\text{C}_8\text{H}_8\text{O}_2$ M_r 136.15 [591-31-1]			
64780	purum $\sim$ 97% (GC); B.P. 100-103°; d_4^{20} 1.117; n_D^{20} 1.553	1 lt $\approx$ 1.12 kg	25 ml 12.—	100 ml 40.—
	4-Methoxybenzaldehyde see 10440 Anisaldehyde			
	Methoxybenzene see 10520 Anisole			

sFr.

sFr.

2-Methoxybenzoic acid (o-Anisic acid; o-Methylsalicylic acid) $\text{CH}_3\text{OC}_6\text{H}_4\text{COOH}$ $\text{C}_8\text{H}_8\text{O}_3$ M_r 152.15 [579-75-9]

64790 purum >99%(T); M.P. 98-100°; Ash <0.1% 100 g 20. — 500 g 85. —

3-Methoxybenzoic acid purum >99%(T); M.P. 105-107°; Ash <0.1% (m-Anisic acid) $\text{CH}_3\text{OC}_6\text{H}_4\text{COOH}$ $\text{C}_8\text{H}_8\text{O}_3$ M_r 152.15 [586-38-9]

64800 25 g 11. — 100 g 38. —

4-Methoxybenzoic acid see 10550 p-Anisic acid**4-Methoxybenzophenone** $\text{C}_6\text{H}_5\text{COC}_6\text{H}_4\text{OCH}_3$ $\text{C}_{14}\text{H}_{12}\text{O}_2$ M_r 212.25 [611-94-9]

64810 purum >98%(GC); M.P. 59-61°; 1 g clearly soluble in 10 ml Methanol 25 g 18. — 100 g 65. —

2-Methoxybenzyl alcohol $\text{CH}_3\text{OC}_6\text{H}_4\text{CH}_2\text{OH}$ $\text{C}_8\text{H}_{10}\text{O}_2$ M_r 138.17 [612-16-8]64820 pract. >97%(GC); B.P. 244-248°; d_4^{20} 1.123; n_D^{20} 1.548 1 lt $\approx$ 1.12 kg 10 ml 12. — 50 ml 50. —**3-Methoxybenzyl alcohol** $\text{CH}_3\text{OC}_6\text{H}_4\text{CH}_2\text{OH}$ $\text{C}_8\text{H}_{10}\text{O}_2$ M_r 138.17 [6971-51-3]64830 purum >98%(GC); B.P. 130-135°; d_4^{20} 1.113; n_D^{20} 1.540 1 lt $\approx$ 1.11 kg 25 ml 20. — 100 ml 70. —**4-Methoxybenzyl alcohol** purum >98%(GC); M.P. 22-25°; B.P. 257-259° (Anis alcohol) $\text{CH}_3\text{OC}_6\text{H}_4\text{CH}_2\text{OH}$ $\text{C}_8\text{H}_{10}\text{O}_2$ M_r 138.17 [105-13-5]

64840 100 g 15. — 500 g 63. —

2-Methoxybenzylamine8/35 $\text{CH}_3\text{OC}_6\text{H}_4\text{CH}_2\text{NH}_2$ $\text{C}_8\text{H}_{11}\text{NO}$ M_r 137.18 [6850-57-3]64855 purum >98%(GC); B.P. 231-233°; d_4^{20} 1.062; n_D^{20} 1.548 1 lt $\approx$ 1.06 kg 10 ml 22. — 50 ml 90. —**3-Methoxybenzylamine**8/35 $\text{CH}_3\text{OC}_6\text{H}_4\text{CH}_2\text{NH}_2$ $\text{C}_8\text{H}_{11}\text{NO}$ M_r 137.18 [5071-96-5]64857 purum >98%(GC); B.P. 237-240°; d_4^{20} 1.062; n_D^{20} 1.548; 2-Methoxybenzylamine <2% 1 lt $\approx$ 1.06 kg 10 ml 22. — 50 ml 90. —**4-Methoxybenzylamine**8/35 $\text{CH}_3\text{OC}_6\text{H}_4\text{CH}_2\text{NH}_2$ $\text{C}_8\text{H}_{11}\text{NO}$ M_r 137.18 [2393-23-9]64851 pract. >97%(GC); B.P. 121-124° (Lit.); d_4^{20} 1.057; n_D^{20} 1.547 1 lt $\approx$ 1.06 kg 10 ml 12. — 50 ml 50. —**4-(4-Methoxybenzylamino)-7-nitrobenzofurazan** [4-(4-Methoxybenzylamino)-7-nitro-2,1,3-benzoxadiazole] $\text{C}_{14}\text{H}_{12}\text{N}_4\text{O}_4$ M_r 300.28 [33984-50-8]

64865 purum >98%(N); M.P. 176-178° 1 g 60. —

4-Methoxybenzyl carbazate purum $\sim$ 96%(NT); M.P. 75-77° $\text{CH}_3\text{OC}_6\text{H}_4\text{CH}_2\text{OCONHNH}_2$ $\text{C}_8\text{H}_{12}\text{N}_2\text{O}_3$ M_r 196.21 [18912-37-3]

53815 5 g 16. — 25 g 67. —

2- and 4-Methoxybenzyl cyanide see 65155 and 65157 2- and 4-Methoxyphenylacetonitrile**O-(4-Methoxybenzyl) S-(4,6-dimethyl-2-pyrimidinyl) thiolcarbonate**

see 81115 S-PMZ-2-mercapto-4,6-dimethylpyrimidine

4-Methoxybenzyl methyl ketone (4-Methoxyphenyl acetone) $\text{CH}_3\text{OC}_6\text{H}_4\text{CH}_2\text{COCH}_3$ $\text{C}_{10}\text{H}_{12}\text{O}_2$ M_r 164.21 [22072-50-0]64861 pract. >95%(GC); B.P. 266-268°; d_4^{20} 1.065; n_D^{20} 1.525 1 lt $\approx$ 1.06 kg 25 ml 22. — 100 ml 80. —**Methoxy-bis(dimethylamino)methane** (Tris-dimethylaminomethane + Dimethylformamide dimethylacetal) $2\text{CH}_3\text{OCH}[\text{N}(\text{CH}_3)_2]_2 \leftrightarrow (\text{CH}_3\text{O})_2\text{CHN}(\text{CH}_3)_2 + \text{HC}[\text{N}(\text{CH}_3)_2]_3$ 64875 pract. $\sim$ 95%(NT); B.P. 125-128° d_4^{20} 0.875; n_D^{20} 1.416 1 lt $\approx$ 0.88 kg 10 ml 25. — 50 ml 105. —**1-Methoxy-1-buten-3-yne**3/1a; 11° $\text{HC}\equiv\text{CCH}:\text{CHOCH}_3$ $\text{C}_6\text{H}_8\text{O}$ M_r 82.10 [2798-73-4]64930 techn. 50% in Methanol; d_4^{20} 0.87; store in refrigerator 1 lt $\approx$ 0.87 kg 250 ml 12. — 1 lt 40. —**2-Methoxycarbonylcyclopentanone** see 29785 Methyl cyclopentanone-2-carboxylate**N-Methoxycarbonylmaleimide** $\text{CH}_3\text{OCONCOCH}:\text{CHCO}$ $\text{C}_8\text{H}_8\text{NO}_4$ M_r 155.11 [55750-48-6]

64940 purum M.P. 67-69°; for the introduction of the maleimide group in peptides, amino acids and amines: O. Keller and J. Rudinger, Helv. 58, 531 (1975) 1 g 18. — 5 g 75. —

Methoxycatechol see 83140 Pyrogallol-1-methyl ether**cis-2-Methoxycinnamic acid** purum >98%(NT); M.P. 93-95° $\text{CH}_3\text{OC}_6\text{H}_4\text{CH}:\text{CHCOOH}$ $\text{C}_{10}\text{H}_{10}\text{O}_3$ M_r 178.19 [14737-91-8]

65397 10 g 20. — 50 g 85. —

				sFr.	sFr.
65400	trans-2-Methoxycinnamic acid purum >98%(NT); M.P. 183-185°; Ash <0.5% <chem>CH3OC6H4CH:CHCOOH</chem> C ₁₀ H ₁₀ O ₃ M _r 178.19 [1011-54-7]			10 g 20.—	50 g 85.—
65410	3-Methoxycinnamic acid puriss. >99%(T); M.P. 118-120°; Ash <0.05% <chem>CH3OC6H4CH:CHCOOH</chem> C ₁₀ H ₁₀ O ₃ M _r 178.19 [6099-04-3]			10 g 25.—	50 g 105.—
65420	4-Methoxycinnamic acid puriss. >99%(T); Ash <0.05% <chem>CH3OC6H4CH:CHCOOH</chem> C ₁₀ H ₁₀ O ₃ M _r 178.19 [943-89-5]			10 g 14.—	50 g 60.—
64953	2-Methoxy-3,4-dihydro-2H-pyran (2,3-Dihydro-2-methoxy-2H-pyran) 3/3; 26° <chem>CH3OCHCHOCH:CHCH2CH2</chem> C ₆ H ₁₀ O ₂ M _r 114.15 [4454-05-1] purum >98%(GC); B.P. 126-129°; d ₄ ²⁰ 1.000; n _D ²⁰ 1.442	1 lt ≈ 1.00 kg		100 ml 10.—	500 ml 40.—
64955	Methoxydiphenylphosphine (Diphenylmethoxyphosphine; Methyl diphenylphosphinite) 6.1/81g <chem>CH3OP(C6H5)2</chem> C ₁₃ H ₁₃ OP M _r 216.22 [4020-99-9] pract.	1 lt ≈ 1.10 kg		10 ml 30.—	50 ml 125.—
64720	2-Methoxyethanol (Ethyleneglycol monomethyl ether; Methylglycol) 3/3; 52° <chem>CH3OCH2CH2OH</chem> C ₃ H ₈ O ₂ M _r 76.10 [109-86-4] puriss. p.a. >99.5%(GC); B.P. 123-124°; d ₄ ²⁰ 0.964; n _D ²⁰ 1.402; free of peroxide	1 lt ≈ 0.96 kg	250 ml 7.—	1 lt 14.—	2.5 lt 31.—
64730	purum >99%(GC); B.P. 122-124°; d ₄ ²⁰ 0.965; n _D ²⁰ 1.403	1 lt ≈ 0.96 kg	1 lt 11.—	2.5 lt 25.—	5 lt 37.—
	2-(2-Methoxyethoxy)ethanol see 32280 Diethylene glycol monomethyl ether				
64735	2-Methoxy ethoxymethyl chloride (MEM-chloride) <chem>CH3OCH2CH2OCH2Cl</chem> C ₄ H ₉ ClO ₂ M _r 124.57 [3970-21-6] pract. B.P. ~140-145° (Lit.); d ₄ ²⁰ 1.00; n _D ²⁰ 1.427	1 lt ≈ 1.00 kg		10 ml 15.—	50 ml 63.—
	2-Methoxyethyl acetate see 00860 1-Acetoxy-2-methoxyethane				
64740	2-Methoxyethylamine (2-Aminoethyl methyl ether) 3/1a; 10° <chem>CH3OCH2CH2NH2</chem> C ₃ H ₉ NO M _r 75.11 [109-85-3] purum >98%(GC); B.P. 87-90°; d ₄ ²⁰ 0.874; n _D ²⁰ 1.407	1 lt ≈ 0.87 kg		250 ml 14.—	1 lt 50.—
	2-Methoxyethyl tert-butyl ether see 20438 2-tert-Butoxy-1-methoxy ethane				
	Methoxyethylene see 69677 Methyl vinyl ether				
	2-Methoxyethyl ether see 32210 Diethylene glycoldimethyl ether				
	9-Methoxyfuro[3,2-g][1]benzopyran-7-on see 95560 Xanthotoxin				
64992	2-Methoxyhydroquinone purum >98%(HPLC); M.P. 95-98° <chem>CH3OC6H3(OH)2</chem> C ₇ H ₈ O ₃ M _r 140.14 [824-46-4]			50 g 26.—	250 g 110.—
65000	5-Methoxyindole puriss. M.P. 54-56°; Ash <0.05% <chem>CH3OC6H3NHCH:CH</chem> C ₉ H ₉ NO M _r 147.18 [1006-94-6]			1 g 25.—	5 g 75.—
65060	5-Methoxy-3-indoleacetic acid purum >99%(T); M.P. 145-148° dec. <chem>CH3OC6H3NHCH:CH2COOH</chem> C ₁₁ H ₁₁ NO ₃ M _r 205.22 [3471-31-6]			250 mg 22.—	1 g 85.—
	2-Methoxyiodobenzene see 57710 2-Iodoanisole				
	4-Methoxyiodobenzene see 57720 4-Iodoanisole				
	Methoxymagnesium methyl carbonate see 63070 Magnesium methylcarbonate				
65061	Methoxymalonamide pract. ~97%(N); M.P. 206-210° dec. <chem>CH3OCH(CONH2)2</chem> C ₄ H ₉ N ₂ O ₃ M _r 132.12 [5018-31-5]			100 g 40.—	
65070	2-Methoxymandelic acid puriss. >98%(T); M.P. 68-70° <chem>CH3OC6H4CH(OH)COOH</chem> C ₉ H ₁₀ O ₄ M _r 182.18 [10408-29-4]			1 g 14.—	5 g 60.—
65080	3-Methoxymandelic acid puriss. M.P. 57-58° <chem>CH3OC6H4CH(OH)COOH</chem> C ₉ H ₁₀ O ₄ M _r 182.18 [21150-12-9]			1 g 14.—	5 g 60.—
	2-Methoxy-5-methylaniline see 65785 5-Methyl-o-anisidine				
65110	2-Methoxy-3-methyl pyrazine techn. ~80%(GC); d ₄ ²⁰ 1.080; n _D ²⁰ 1.506 <chem>CH3OCHN:CHCH:NCH3</chem> C ₆ H ₈ N ₂ O M _r 124.15 [2847-30-5]	1 lt ≈ 1.08 kg		5 ml 40.—	
67970	1-Methoxynaphthalene (Methyl 1-naphthyl ether) <chem>CH3OC10H7</chem> C ₁₁ H ₁₀ O M _r 158.20 [2216-69-5] purum >98%(GC); B.P. 269° (Lit.); d ₄ ²⁰ 1.094; n _D ²⁰ 1.621	1 lt ≈ 1.09 kg		100 ml 22.—	500 ml 90.—

			sFr.	sFr.
	2-Methoxynaphthalene (Methyl 2-naphthyl ether) $\text{CH}_3\text{OC}_{10}\text{H}_7$, $\text{C}_{11}\text{H}_{10}\text{O}$ M_r 158.20 [93-04-9]			
67980	purum ~99%(GC); M.P. 70-73°; <1% 1-Methoxynaphthalene		250 g 14. —	1 kg 50. —
	4-Methoxy-2-nitroaniline see 72700 3-Nitro-p-anisidine			
	2-Methoxy-5-nitrobenzyl bromide (2-Bromomethyl-4-nitroanisole; Koshland II) 6.1/21 $\text{BrCH}_2\text{C}_6\text{H}_4\text{NO}_2(\text{OCH}_3)$ $\text{C}_8\text{H}_8\text{BrNO}_3$ M_r 246.07 [3913-23-3]			
65135	purum >99%(Br); M.P. 76-78°; for the modification of proteins, reacts with Trp, Met, Cys; introduction of a chromophore insensitive to variation of pH (pH-range 3 to 10): H. R. Horton, H. Kelly and D. E. Koshland jr., J. Biol. Chem. 240, 722 (1965)		5 g 18. —	25 g 75. —
	4-Methoxyphenacyl bromide (ω-Bromo-4-methoxyacetophenone) $\text{CH}_3\text{OC}_6\text{H}_4\text{COCH}_2\text{Br}$ $\text{C}_9\text{H}_9\text{BrO}_2$ M_r 229.08 [2632-13-5]			
65140	purum >97%(GC); M.P. 69-72°		5 g 18. —	25 g 75. —
	2-Methoxyphenol see 50880 Guaiacol			
	3-Methoxyphenol (3-Hydroxyanisol; Resorcinolmonomethyl ether) $\text{CH}_3\text{OC}_6\text{H}_4\text{OH}$ $\text{C}_7\text{H}_8\text{O}_2$ M_r 124.14 [150-19-6]			
83630	puriss. >99%(GC); B.P. 124-126°; d_4^{20} 1.145; n_D^{20} 1.552	1 lt ≈ 1.14 kg	25 ml 14. —	100 ml 50. —
83632	pract. >97%(GC); d_4^{20} 1.145; n_D^{20} 1.552	1 lt ≈ 1.14 kg	100 ml 25. —	500 ml 105. —
	4-Methoxyphenol (Hydroquinone monomethyl ether; 4-Hydroxyanisole) $\text{CH}_3\text{OC}_6\text{H}_4\text{OH}$ $\text{C}_7\text{H}_8\text{O}_2$ M_r 124.14 [150-76-5]			
54050	purum >98%(HPLC); M.P. 53-56°; <2% Hydroquinone dimethyl ether		100 g 10. —	500 g 37. —
65150	3-Methoxyphenothiazine purum >97%(S); M.P. 182-186° $\text{CH}_3\text{OC}_6\text{H}_3\text{NHC}_6\text{H}_4\text{S}$ $\text{C}_{13}\text{H}_{11}\text{NOS}$ M_r 229.30 [1771-19-3]		100 g 40. —	
65180	2-Methoxyphenylacetic acid purum >99%(T); M.P. 122-124°; Ash <0.05% $\text{CH}_3\text{OC}_6\text{H}_4\text{CH}_2\text{COOH}$ $\text{C}_9\text{H}_{10}\text{O}_3$ M_r 166.18 [93-25-4]		10 g 16. —	50 g 67. —
65190	3-Methoxyphenylacetic acid purum >98%(T); M.P. 65-69° $\text{CH}_3\text{OC}_6\text{H}_4\text{CH}_2\text{COOH}$ $\text{C}_9\text{H}_{10}\text{O}_3$ M_r 166.18 [1798-09-0]		10 g 20. —	50 g 85. —
	4-Methoxyphenylacetic acid (Homoanistic acid) $\text{CH}_3\text{OC}_6\text{H}_4\text{CH}_2\text{COOH}$ $\text{C}_9\text{H}_{10}\text{O}_3$ M_r 166.18 [104-01-8]			
65200	puriss. >99%(T); M.P. 85-87°; Ash <0.05%; 1 g clearly soluble in 10 ml Methanol		50 g 10. —	250 g 40. —
	α-Methoxyphenylacetic acid (O-Methylmandelic acid) $\text{C}_6\text{H}_5\text{CH}(\text{OCH}_3)\text{COOH}$ $\text{C}_9\text{H}_{10}\text{O}_3$ M_r 166.18 [1701-77-5]			
65210	puriss. p.a. >99%(T); M.P. 69-71°; Ash <0.05%; for determination of Na; Anal. Chem. 29, 102 (1957)		1 g 11. —	5 g 46. —
	R-(—)-α-Methoxyphenylacetic acid [R-(—)-O-Methylmandelic acid] $\text{C}_6\text{H}_5\text{CH}(\text{OCH}_3)\text{COOH}$ $\text{C}_9\text{H}_{10}\text{O}_3$ M_r 166.18 [3966-32-3]			
65212	puriss. >99%(T); M.P. 65-66°; $[\alpha]_{546}^{20} - 180 \pm 2^\circ$; $[\alpha]_D^{20} - 150 \pm 2^\circ$ (c = 0.57 in Ethanol)		1 g 45. —	
	4-Methoxyphenylacetone see 64861 4-Methoxybenzyl methyl ketone			
	2-Methoxyphenylacetonitrile (2-Methoxybenzylcyanide) 6.1/21 $\text{CH}_3\text{OC}_6\text{H}_4\text{CH}_2\text{CN}$ $\text{C}_9\text{H}_9\text{NO}$ M_r 147.18 [7035-03-2]			
65155	purum >97%(GC); M.P. 65-67°; 1 g clearly soluble in 10 ml Methanol		25 g 12. —	100 g 40. —
	4-Methoxyphenylacetonitrile (4-Methoxybenzyl cyanide) 6.1/21 $\text{CH}_3\text{OC}_6\text{H}_4\text{CH}_2\text{CN}$ $\text{C}_9\text{H}_9\text{NO}$ M_r 147.18 [104-47-2]			
65157	purum ~97%(GC); B.P. 157-158°; d_4^{20} 1.084; n_D^{20} 1.531	1 lt ≈ 1.08 kg	25 ml 16. —	100 ml 55. —
	4-Methoxy-m-phenylenediamine see 32710 2,4-Diaminoanisole			
	2-Methoxy-p-phenylenediamine sulfate see 32720 2,5-Diaminoanisole sulfate			
	2-(2-Methoxyphenyl)ethylamine $\text{CH}_3\text{OC}_6\text{H}_4\text{CH}_2\text{CH}_2\text{NH}_2$ $\text{C}_9\text{H}_{13}\text{NO}$ M_r 151.21 [2045-79-5]			
65163	pract. >96%(GC); M.P. 11-15°; B.P. 240-242°; d_4^{20} 1.038; n_D^{20} 1.452	1 lt ≈ 1.04 kg	10 ml 22. —	50 ml 90. —
	2-(4-Methoxyphenyl)ethylamine 3/4; 72° $\text{CH}_3\text{OC}_6\text{H}_4\text{CH}_2\text{CH}_2\text{NH}_2$ $\text{C}_9\text{H}_{13}\text{NO}$ M_r 151.21 [55-81-2]			
65165	purum ~97%(GC); B.P. 254-256°; d_4^{20} 1.031; n_D^{20} 1.538	1 lt ≈ 1.03 kg	10 ml 16. —	50 ml 67. —
65214	2-Methoxyphenylhydrazine hydrochloride purum >98%(Cl); M.P. 155-160° dec. $\text{CH}_3\text{OC}_6\text{H}_4\text{NHNH}_2 \cdot \text{HCl}$ $\text{C}_7\text{H}_{10}\text{N}_2\text{O} \cdot \text{HCl}$ M_r 174.63 [6971-45-5]		5 g 24. —	25 g 100. —

					sFr.	sFr.
65218	3-Methoxyphenylhydrazine hydrochloride pract. >95%(Cl); M.P. ~135-140° dec. <chem>CH3OC6H4NHNH2.HCl</chem> <chem>C7H10N2O.HCl</chem> M_r 174.63 [39232-91-2]				5 g 40. —	
65216	4-Methoxyphenylhydrazine hydrochloride purum >99%(Cl); M.P. ~260° dec. <chem>CH3OC6H4NHNH2.HCl</chem> <chem>C7H10N2O.HCl</chem> M_r 174.63 [19501-58-7]				5 g 18. —	25 g 75. —
	3-Methoxyphenyl isocyanate 6.1/21 <chem>CH3OC6H4NCO</chem> <chem>C6H7NO2</chem> M_r 149.15 [18908-07-1]					
65215	purum >97%(GC); B.P. 179-180°; d_4^{20} 1.156; n_D^{20} 1.455	1 lt ≈ 1.16 kg	5 ml 24. —	25 ml 100. —		
	4-Methoxyphenyl isocyanate 6.1/21 <chem>CH3OC6H4NCO</chem> <chem>C6H7NO2</chem> M_r 149.15 [5416-93-3]					
65217	purum >98%(NT); B.P. 110° (Lit.); d_4^{20} 1.158; n_D^{20} 1.547	1 lt ≈ 1.16 kg	5 ml 24. —	25 ml 100. —		
65230	3-(2-Methoxyphenyl)propionic acid puriss. M.P. 85-87° <chem>CH3OC6H4CH2CH2COOH</chem> <chem>C10H12O3</chem> M_r 180.21 [6342-77-4]				10 g 40. —	
	1-Methoxy-2-propanol ("Dowanol® 33-B"; Propyleneglycol monomethyl ether) 3/3; 33° <chem>CH3CH(OH)CH2OCH3</chem> <chem>C4H10O2</chem> M_r 90.12 [107-98-2]					
65280	pract. ~95%(GC); B.P. 116-119°; d_4^{20} 0.924; n_D^{20} 1.403	1 lt ≈ 0.92 kg	1 lt 20. —			
	2-Methoxypropene (Isopropenyl methyl ether) 3/1a; -25° <chem>CH2=C(CH3)OCH3</chem> <chem>C4H8O</chem> M_r 72.11 [116-11-0]					
59262	purum ~97%(GC); B.P. 32-35°; d_4^{20} 0.765; n_D^{20} 1.382; contains some Acetonedimethyl acetal; stab. with ~0.5% Potassium carbonate; store in refrigerator	1 lt ≈ 0.77 kg	250 ml 14. —	1 lt 50. —		
	1-Methoxy-4-propenylbenzene see 10370 Anethole					
	2-Methoxy-4-propenylphenol see 58850 Isoeugenol (cis + trans)					
	3-Methoxypropionitrile 6.1/11; 68° <chem>CH3OCH2CH2CN</chem> <chem>C4H7NO</chem> M_r 85.11 [110-67-8]					
65290	purum >99%(GC); B.P. 163-165°; d_4^{20} 0.939; n_D^{20} 1.403	1 lt ≈ 0.94 kg	250 ml 9. —	1 lt 28. —		
65300	4-Methoxypropiophenone purum >98%(GC); M.P. 23-26°; B.P. 275° (Lit.) <chem>CH3OC6H4COCH2CH3</chem> <chem>C10H12O2</chem> M_r 164.21 [121-97-1]				50 g 20. —	
	3-Methoxypropylamine (1-Amino-3-methoxypropane) 8/35; 32° <chem>CH3O(CH2)3NH2</chem> <chem>C4H11NO</chem> M_r 89.14 [5332-73-0]					
65309	purum >98%(GC); B.P. 117-119°; d_4^{20} 0.871; n_D^{20} 1.417	1 lt ≈ 0.87 kg	250 ml 7. —	1 lt 20. —		
	2-Methoxypyridine (Methyl 2-pyridyl ether) <chem>CH:CHCH:CHN:COCH3</chem> <chem>C6H7NO</chem> M_r 109.13 [1628-89-3]					
65330	pract. ~97%(GC); B.P. 144-146°; d_4^{20} 1.047; n_D^{20} 1.504	1 lt ≈ 1.05 kg	25 ml 13. —	100 ml 45. —		
	3-Methoxypyrocatechol see 83140 Pyrogallol 1-methyl ether					
	6-Methoxyquinoline <chem>CH3OC6H3N:CHCH:CH</chem> <chem>C10H9NO</chem> M_r 159.19 [5263-87-6]					
64950	pract. ~95%(GC); M.P. 16-20°; B.P. 140-146°; d_4^{20} 1.15; n_D^{20} 1.623	1 lt ≈ 1.15 kg	10 ml 35. —	50 ml 145. —		
	Methoxy-resorcinol see 37478 3,5-Dihydroxy-anisol					
	4-Methoxystyrene 3/4; 72° <chem>CH3OC6H4CH:CH2</chem> <chem>C9H10O</chem> M_r 134.18 [637-69-4]					
65350	pract. ~90%(GC); B.P. 204-205° (Lit.); d_4^{20} 0.994; n_D^{20} 1.558; store in refrigerator	1 lt ≈ 0.99 kg	5 ml 29. —	25 ml 120. —		
	(3-Methoxy-4-sulfonyloxyphenyl) ethylene glycol Potassium salt see 69868 MOPEG-sulfate					
	6-Methoxy-1,2,3,4-tetralin 3/4 <chem>CH3OC6H3(CH2)3CH2</chem> <chem>C11H14O</chem> M_r 162.23 [1730-48-9]					
65355	techn. ~85%(GC); B.P. 130-132° (Lit.); d_4^{20} 1.028; n_D^{20} 1.540	1 lt ≈ 1.03 kg	100 ml 30. —	500 ml 125. —		
65360	6-Methoxy-1-tetralone purum M.P. 76-78° <chem>CH3OC6H3(CH2)3CO</chem> <chem>C11H12O2</chem> M_r 176.22 [1078-19-9]				25 g 24. —	100 g 90. —
65356	7-Methoxy-1-tetralone pract. M.P. 60-62° <chem>CH3OC6H3(CH2)3CO</chem> <chem>C11H12O2</chem> M_r 176.22 [6836-19-7]				5 g 18. —	25 g 75. —
	2-Methoxythiophenol (2-Mercaptoanisole) 3/4; 85° <chem>CH3OC6H4SH</chem> <chem>C7H8OS</chem> M_r 140.20 [7217-59-6]					
65358	purum >98%(GC); B.P. 217-219°; d_4^{20} 1.149; n_D^{20} 1.591	1 lt ≈ 1.15 kg	5 ml 35. —	25 ml 145. —		

				sFr.	sFr.
3-Methoxythiophenol (3-Mercaptoanisole)					
65359	3/4; 85°	CH ₃ OC ₆ H ₄ SH C ₇ H ₈ OS M _r 140.20 [15570-12-4] purum >98%(GC); B.P. 225-227°; d ₄ ²⁰ 1.141; n _D ²⁰ 1.587	1 lt ≈ 1.14 kg	5 ml 34. —	25 ml 145. —
4-Methoxythiophenol (4-Mercaptoanisole)					
65357	3/4; 85°	HSC ₆ H ₄ OCH ₃ C ₇ H ₈ OS M _r 140.20 [696-63-9] purum >99%(GC); B.P. 227-229°; d ₄ ²⁰ 1.140; n _D ²⁰ 1.584	1 lt ≈ 1.14 kg	5 ml 40. —	25 ml 165. —
6-Methoxy-m-toluidine see 65785 4-Methyl-o-anisidine					
(+)-α-Methoxy-α-trifluoromethylphenylacetic acid (MTPA)					
65362	6.1/21	CH ₃ OC(CF ₃)(C ₆ H ₅)COOH C ₁₀ H ₉ F ₃ O ₃ M _r 234.18 [20445-31-2] puriss. >99%(T); [α] _D ²⁰ +85±2°; [α] _D ²⁰ +72±2° (c=2 in CH ₃ OH); store in refrigerator	250 mg 16. —	1 g 50. —	5 g 170. —
(-)-α-Methoxy-α-trifluoromethylphenylacetic acid (MTPA)					
65364	6.1/21	CH ₃ OC(CF ₃)(C ₆ H ₅)COOH C ₁₀ H ₉ F ₃ O ₃ M _r 234.18 [17257-71-5] puriss. >99%(T); [α] _D ²⁰ -85±2°; [α] _D ²⁰ -72±2° (c=2 in CH ₃ OH); store in refrigerator; For the determination of the optical purity of alcohols and amines: J. A. Dale et al., J. Org. Chem. 34, 2543 (1969)	250 mg 16. —	1 g 50. —	5 g 170. —
4'-Methoxy-3,5,7-trihydroxyflavone see 60000 Kaempferide					
4-Methoxytriphenylchloromethane (4-Anisylchlorodiphenylmethane)					
65367		CH ₃ OC ₆ H ₄ C(Cl)(C ₆ H ₅) ₂ C ₂₀ H ₁₇ ClO M _r 308.83 [14470-28-1] purum >97%(HPLC); M.P. 119-122°		10 g 25. —	50 g 105. —
5-Methoxytryptamine hydrochloride					
65370		CH ₃ OC ₆ H ₃ NHCH ₂ CH ₂ CH ₂ NH ₂ .HCl C ₁₁ H ₁₄ N ₂ O.HCl M _r 226.71 [608-07-1] purum >98%(Cl); M.P. 245-250° dec.; store in refrigerator		250 mg 24. —	1 g 90. —
65380		5-Methoxy-DL-tryptophan purum >97%(NT); M.P. ~265° dec. CH ₃ OC ₆ H ₃ NHCH ₂ CH ₂ CH(NH ₂)COOH C ₁₂ H ₁₄ N ₂ O ₃ M _r 234.26 [28052-84-8]		250 mg 26. —	1 g 95. —
65385		5-Methoxy-DL-tryptophanol purum >98%(GC); M.P. 43-44° CH ₃ OC ₆ H ₃ NHCH ₂ CH ₂ CH(NH ₂)CH ₂ OH C ₁₂ H ₁₆ N ₂ O ₂ M _r 220.27 [20913-94-4]		250 mg 40. —	
65430		N-Methylacetamide purum ~97%(N); M.P. 25-28° (Acetylmethylamine) CH ₃ CONHCH ₃ C ₃ H ₇ NO M _r 73.10 [79-16-3]		500 g 18. —	1 kg 35. —
Methyl acetate					
46000	3/1a; 16°	CH ₃ COOCH ₃ C ₃ H ₆ O ₂ M _r 74.08 [79-20-9] purum >99%(GC); B.P. 56-58°; d ₄ ²⁰ 0.934; n _D ²⁰ 1.362	1 lt ≈ 0.93 kg	1 lt 11. —	5 lt 46. —
45999		for HPLC; B.P. 57°; n _D ²⁰ 1.362; UV cut-off 260 nm; solvent strength ε (Al ₂ O ₃) 0.60; H ₂ O <0.05%	1 lt ≈ 0.93 kg	1 lt 12. —	2.5 lt 26. —
Methyl acetoacetate					
00490		CH ₃ COCH ₂ COOCH ₃ C ₆ H ₈ O ₃ M _r 116.12 [105-45-3] puriss. p.a. >99%(GC); B.P. 169-170°; d ₄ ²⁰ 1.075; n _D ²⁰ 1.419	1 lt ≈ 1.08 kg	250 ml 21. —	1 lt 75. —
00500		purum >98%(GC); B.P. 167-170°; d ₄ ²⁰ 1.076; n _D ²⁰ 1.42	1 lt ≈ 1.08 kg	500 ml 12. —	1 lt 22. — 2.5 lt 50. —
00505		Methyl acetoacetate Sodium salt purum >99%(NT) C ₅ H ₇ NaO ₃ M _r 138.10 [50321-58-9]		500 g 24. —	
2-Methylacetophenone (Methyl o-tolyl ketone)					
65460	3/4; 84°	CH ₃ C ₆ H ₄ COCH ₃ C ₉ H ₁₀ O M _r 134.18 [577-16-2] purum >98%(GC); B.P. 209-213°; d ₄ ²⁰ 1.014; n _D ²⁰ 1.532	1 lt ≈ 1.01 kg	10 ml 18. —	50 ml 75. —
3-Methylacetophenone (Methyl m-tolyl ketone)					
65470	3/4; 82°	CH ₃ C ₆ H ₄ COCH ₃ C ₉ H ₁₀ O M _r 134.18 [585-74-0] purum >97%(GC); B.P. 220-222°; d ₄ ²⁰ 1.008; n _D ²⁰ 1.530	1 lt ≈ 1.01 kg	10 ml 18. —	50 ml 75. —
4-Methylacetophenone (Methyl p-tolyl ketone)					
65480	3/4; 82°	CH ₃ C ₆ H ₄ COCH ₃ C ₉ H ₁₀ O M _r 134.18 [122-00-9] pract. >95%(GC); B.P. 106-111°; d ₄ ²⁰ 1.004; n _D ²⁰ 1.534	1 lt ≈ 1.00 kg	100 ml 9. —	500 ml 32. —
Methyl acrylate					
01800	3/1a; 3°	CH ₂ =CHCOOCH ₃ C ₄ H ₆ O ₂ M _r 86.09 [96-33-3] purum ~99.5%(GC); B.P. 78-81°; d ₄ ²⁰ 0.956; n _D ²⁰ 1.404; stab. with 0.02% Hydroquinone monomethyl ether	1 lt ≈ 0.96 kg	250 ml 7. —	1 lt 20. —

sFr.

sFr.

2-Methylacrylic acid see 64050 Methacrylic acid**N⁶-Methyladenine** see 65700 6-Methylaminopurine**1-Methyladenine** see 08589 6-Amino-1-methylpurine**3-Methyladenine** see 08592 6-Amino-3-methylpurine

65505	3-Methyladipic acid purum >99%(T); M.P. 95-97° HOOCCH ₂ CH(CH ₃)CH ₂ CH ₂ COOH C ₇ H ₁₂ O ₄ M _r 160.17 [3058-01-3]	25 g 17.—	100 g 60.—
-------	---	-----------	------------

Methylal see 47649 Formaldehyde dimethyl acetal**α-Methylalanine** see 08280 α-Aminoisobutyric acid**α-Methyl-β-alanine** see 08290 DL-β-Aminoisobutyric acid**N-Methyl-β-alaninenitrile** see 65670 3-Methylaminopropionitrile**Methyl alcohol** (Alcohol C₁; Methanol)3/5; 11° CH₃OH CH₄O M_r 32.04 [67-56-1]

65540	for UV-Spectroscopy Fluka-Guarantee: Layer thickness: 1 cm; Reference cell: water Wave length in nm: 220 230 235 240 260 290 310 Transmittance in %: 25 50 70 80 90 95 >99	1 lt ≈ 0.79 kg	500 ml 10.—	1 lt 18.—	2.5 lt 40.—
65541	for HPLC; B.P. 65°; n _D ²⁰ 1.329; UV cut-off 210 nm; solvent strength ε (Al ₂ O ₃) 0.95; H ₂ O <0.05%		1 lt ≈ 0.79 kg	1 lt 9.—	2.5 lt 18.—
65544	for pesticide residue analysis; Distilled in Glass; Original packaging of Burdick and Jackson Laboratories Inc.		1 quart ≈ 0.95 lt	22.—	
65542	puriss. p.a. dried (max. 0.01% water)		1 lt ≈ 0.79 kg	1 lt 10.—	2.5 lt 22.—
65543	puriss. p.a. absolute and acetone free; B.P. 64-65°; d ₄ ²⁰ 0.791; n _D ²⁰ 1.329 Fluka-Guarantee: Assay (GC) >99.5 % Miscibility passes test Water content <0.05 % Manganese (Mn) <0.000001% Residue on evaporation <0.002 % Cobalt (Co) <0.00001 % Acetone <0.001 % Nickel (Ni) <0.00001 % Free Acid (as HCOOH) <0.0025% Iron (Fe) <0.00005 % Free Alkali (as NH ₃) <0.0001% Copper (Cu) <0.000005% Chloroform <0.005 % Lead (Pb) <0.000005% Formaldehyde (HCHO) <0.001 % Cadmium (Cd) <0.000001% Aldehyde (CH ₃ CHO) <0.001 % Zinc (Zn) <0.00005 % Substances reducing permanganate passes test		1 lt ≈ 0.79 kg	1 lt 8.—	2.5 lt 16.—
65546	purum absolute >99%(GC); Water <0.05%; for Karl-Fischer-Titration	1 lt ≈ 0.79 kg	1 lt 8.—	2.5 lt 14.—	25 lt 70.—
65550	purum >99%(GC); B.P. 63-65°; d ₄ ²⁰ 0.791; n _D ²⁰ 1.329; H ₂ O <0.5%	1 lt ≈ 0.79 kg	2.5 lt 12.—	10 lt 35.—	50 lt 105.—

Methyl alcohol-d₁ and -d₄ see 31370 and 87242 Methanol-d₁ and -d₄**N-Methylallylamine** see 06045 N-Allylmethylamine**Methylamine** (Amine C₁; Monomethylamine)2/3bt CH₃NH₂ CH₅N M_r 31.06 [74-89-5]

65568	purum anhydrous ~97% + ~3% (CH ₃) ₂ NH+(CH ₃) ₃ N + Traces NH ₃	1 lt ≈ 0.70 kg		Ampoule of 25 ml 16.—
65569		1 lt ≈ 0.70 kg		Ampoule of 100 ml 28.—
65571	2/11bt	Pressure tin with 250 ml, net ~175 g		30.— (Reg. valve 83547)
65572		Cyl. with 2 lt, net ~1.1 kg	320.—	(price of gas 220.—)
65574		Cyl. with 7 lt, net ~4.0 kg	400.—	(price of gas 270.—)
65576		Cyl. with 27 lt, net ~15.0 kg	640.—	(price of gas 380.—)
65580	3/5; -18° purum 40% (11.58 m) in water; d ₄ ²⁰ 0.899; n _D ²⁰ 1.368	1 lt ≈ 0.90 kg	1 lt 10.—	2.5 lt 21.—
65590	3/5; -18° purum 33% (8.03 m) in abs. Ethyl alcohol; d ₄ ²⁰ 0.756; n _D ²⁰ 1.366	1 lt ≈ 0.76 kg	250 ml 9.—	1 lt 25.—

65600	Methylamine hydrochloride purum >98%(T); M.P. 228-232° CH ₃ NH ₂ .HCl CH ₅ N.HCl M _r 67.52 [593-51-1]	250 g 12.—	1 kg 40.—
-------	---	------------	-----------

Methylaminoacetonitrile hydrochloride (Sarcosinenitrile hydrochloride)6.1/21 CH₃NHCH₂CN.HCl C₃H₆N₂.HCl M_r 106.56 [25808-30-4]

65620	purum >98%(Cl); M.P. 106-108°	10 g 16.—	50 g 67.—
-------	-------------------------------	-----------	-----------

06990	Methyl 4-aminobenzoate purum >98%(T); M.P. 111-113°; Ash <0.1% NH ₂ C ₆ H ₄ COOCH ₃ C ₈ H ₉ NO ₂ M _r 151.17 [619-45-4]	25 g 24.—	100 g 90.—
-------	--	-----------	------------

65646	4-Methylaminobenzoic acid purum >99%(NT); M.P. 160-162°; Ash <0.1% CH ₃ NHC ₆ H ₄ COOH C ₈ H ₉ NO ₂ M _r 151.14 [10541-83-0]	5 g 11.—	25 g 46.—
-------	--	----------	-----------

			sFr.	sFr.
07590	Methyl 3-aminocrotonate purum ~97% (NT); M.P. 80-83° $\text{CH}_3\text{C}(\text{NH}_2):\text{CHCOOCH}_3$ $\text{C}_5\text{H}_9\text{NO}_2$ M_r 115.13 [14205-39-1]		100 g 16. —	500 g 67. —
	2-(Methylamino)ethanol (N-Methylethanolamine) 3/4; 90° $\text{CH}_3\text{NHCH}_2\text{CH}_2\text{OH}$ $\text{C}_3\text{H}_9\text{NO}$ M_r 75.11 [109-83-1]			
65630	pract. >95% (GC); B.P. 150° (Lit.); d_4^{20} 0.939; n_D^{20} 1.439	1 lt ≈ 0.94 kg	500 ml 11. —	1 lt 20. —
	2-Methylaminoethylamine see 65530 N-Methylethylenediamine			
	α-(1-Methylaminoethyl)benzyl alcohol see 45261 and 45280 (—)- and (+)-Ephedrine			
	12-Methylaminolauric acid $\text{CH}_3\text{NHCH}_2(\text{CH}_2)_{10}\text{COOH}$ $\text{C}_{13}\text{H}_{27}\text{NO}_2$ M_r 229.37 [7408-81-3]			
65659	purum >98% (NT); M.P. 139-141°; 1 g clearly soluble in 20 ml Methanol		5 g 46. —	
	4-Methylaminophenol sulfate see 69750 Metol			
	2-Methylamino-1-phenyl-1-propanol see 45261 and 45280 (—)- and (+)-Ephedrine			
	3-Methylaminopropionitrile (N-Methyl-β-alaninenitrile) 6.1/21 $\text{CH}_3\text{NHCH}_2\text{CH}_2\text{CN}$ $\text{C}_4\text{H}_8\text{N}_2$ M_r 84.12 [693-05-0]			
65670	purum >99% (GC); B.P. 182-186°; d_4^{20} 0.907; n_D^{20} 1.432	1 lt ≈ 0.91 kg	100 ml 15. —	500 ml 63. —
	3-Methylaminopropylamine (N-Methyl-1,3-diaminopropane) 8/35; 40° $\text{CH}_3\text{NH}(\text{CH}_2)_3\text{NH}_2$ $\text{C}_4\text{H}_{12}\text{N}_2$ M_r 88.15 [6291-84-5]			
65690	pract. >97%; B.P. 138-140°; d_4^{20} 0.852; n_D^{20} 1.448	1 lt ≈ 0.86 kg	250 ml 26. —	1 lt 95. —
65700	6-Methylaminopurine purum >99% (HPLC); M.P. 315-320° (N ⁶ -Methyladenine) $\text{C}_6\text{H}_7\text{N}_5$ M_r 149.16 [443-72-1]		250 mg 22. —	
	17α-Methyl-4-androsten-17β-ol-3-one see 69240 17α-Methyltestosterone			
	N-Methylaniline (Monomethylaniline) 6.1/21; 85° $\text{C}_6\text{H}_5\text{NHCH}_3$ $\text{C}_7\text{H}_9\text{N}$ M_r 107.16 [100-61-8]			
65750	puriss. >99% (GC); B.P. 175-176°; d_4^{20} 0.985; n_D^{20} 1.570	1 lt ≈ 0.98 kg	100 ml 10. —	500 ml 37. —
65760	pract. >98% (GC); B.P. 192-197°; d_4^{20} 0.985; n_D^{20} 1.571	1 lt ≈ 0.98 kg	1 lt 22. —	5 lt 90. —
	2-, 3- and 4-Methylaniline see 89610, 89620 and 89630 o-, m- and p-Toluidine			
	4-Methylaniline-2-sulfonic acid (2-Amino-5-methylbenzenesulfonic acid) $\text{CH}_3\text{C}_6\text{H}_3(\text{NH}_2)\text{SO}_3\text{H}$ $\text{C}_7\text{H}_9\text{NO}_3\text{S}$ M_r 187.22 [88-44-8]			
65770	purum >99% (T); M.P. >300°		250 g 20. —	1 kg 70. —
	N-Methylanilinium trifluoroacetate (TAMA) $\text{C}_6\text{H}_5\text{NH}_2^+(\text{CH}_3)\text{CF}_3\text{COO}^-$ $\text{C}_9\text{H}_{10}\text{F}_3\text{NO}_2$ M_r 221.18			
65765	puriss. >99% (NT); M.P. 66-67°; store in refrigerator; Reagent for a direct α-methylenation of ketones: J. L. Gras, Tetrahedron Lett. 2111 (1978)		25 g 22. —	100 g 80. —
10570	Methyl p-anisate purum >98% (GC); M.P. 48-50° $\text{CH}_3\text{OC}_6\text{H}_4\text{COOCH}_3$ $\text{C}_9\text{H}_{10}\text{O}_3$ M_r 166.18 [121-98-2]		25 g 14. —	100 g 50. —
65785	4-Methyl-o-anisidine purum (2-Methoxy-5-methylaniline; 6-Methoxy-m-toluidine) 6.1/21 $\text{NH}_2\text{C}_6\text{H}_3(\text{CH}_3)\text{OCH}_3$ $\text{C}_9\text{H}_{11}\text{NO}$ M_r 137.18 [39538-68-6]		250 g 33. —	
61040	3-Methylanisole purum >98% (GC); B.P. 175-180°; d_4^{20} 0.971; n_D^{20} 1.513 3/3; 52° $\text{CH}_3\text{C}_6\text{H}_4\text{OCH}_3$ $\text{C}_9\text{H}_{10}\text{O}$ M_r 122.17 [100-84-5]	1 lt ≈ 0.97 kg	100 ml 18. —	500 ml 75. —
61050	4-Methylanisole purum >98% (GC); B.P. 173-176°; d_4^{20} 0.968; n_D^{20} 1.512 3/4; 59° $\text{CH}_3\text{C}_6\text{H}_4\text{OCH}_3$ $\text{C}_9\text{H}_{10}\text{O}$ M_r 122.17 [104-93-8]	1 lt ≈ 0.97 kg	100 ml 10. —	500 ml 37. —
65790	2-Methylanthracene purum >99% (HPLC); M.P. 205-208° $\text{C}_{15}\text{H}_{12}$ M_r 192.26 [613-12-7]		250 mg 12. —	1 g 40. —
	Methyl anthranilate $\text{NH}_2\text{C}_6\text{H}_4\text{COOCH}_3$ $\text{C}_9\text{H}_9\text{NO}_2$ M_r 151.17 [134-20-3]			
10730	purum >98% (GC); M.P. 21-24°; B.P. 135° (Lit.); d_4^{20} 1.167; n_D^{20} 1.583	1 lt ≈ 1.17 kg	100 ml 9. —	500 ml 34. —
	2-Methyl-anthraquinone $\text{CH}_3\text{C}_6\text{H}_3\text{COC}_6\text{H}_4\text{CO}$ $\text{C}_{16}\text{H}_{10}\text{O}_2$ M_r 222.25 [84-54-8]			
65800	purum >98% (UV); M.P. 174-176° dec.; B.P. 236-238° (Lit.)		100 g 20. —	500 g 85. —
	Methyl-β-D-arabinopyranoside (Methyl-β-D-arabinoside) $\text{CH}_2(\text{CHOH})_3\text{CH}(\text{OCH}_3)\text{O}$ $\text{C}_6\text{H}_{12}\text{O}_6$ M_r 164.16 [5328-63-2]			
65830	purum M.P. 165-167°; $[\alpha]_{540}^{20} - 282 \pm 2^\circ$; $[\alpha]_D^{20} - 240 \pm 2^\circ$ (c = 1 in water)		1 g 10. —	5 g 42. —

			sFr.	sFr.
	Methyl arachidate see 10941 Methyleneicosanoate			
	N-Methyl-8-azabicyclo(3.2.1)octan-3-ol see 93550 Tropine			
	Methyl azelate see 11530 Dimethyl azelate			
	Methyl behenate see 11940 Methyl docosanoate			
	2-, 3- and 4-Methylbenzaldehyde see 89830, 89840 and 89850 o-, m- and p-Toluyaldehyde			
12230	Methyl benzilate purum ~98%(GC); M.P. 73-75°; may contain some Methanol (C ₆ H ₅) ₂ C(OH)COOCH ₃ C ₁₅ H ₁₄ O ₃ M _r 242.28 [76-89-1]		100 g 18.—	500 g 75.—
65840	2-Methylbenzimidazole purum >98%(NT); M.P. 175-177° C ₆ H ₄ NHC(CH ₃):N C ₈ H ₈ N ₂ M _r 132.17 [615-15-6]		25 g 17.—	100 g 60.—
12460	Methyl benzoate purum ~98%(GC); B.P. ₁₀ 82-84°; d ₄ ²⁰ 1.087; n _D ²⁰ 1.516 3/4; 83° C ₆ H ₅ COOCH ₃ C ₈ H ₈ O ₂ M _r 136.15 [93-58-3]	1 lt ≈ 1.09 kg	250 ml 7.—	1 lt 15.—
	2-, 3- and 4-Methylbenzoic acid see 89880, 89890 and 89902 o-, m- and p-Toluic acid			
	2-, 3- and 4-Methylbenzonitrile see 89660, 89665 and 89670 o-, m- and p-Tolunitrile			
	Methyl-p-benzoquinone see 89590 Toluquinone			
65860	2-Methylbenzoselenazole purum >97%(NT); M.P. 30-33° C ₆ H ₄ SeC(CH ₃):N C ₈ H ₇ NSe M _r 196.11 [2818-88-4]		5 g 34.—	
	2-Methylbenzothiazole C ₆ H ₄ SC(CH ₃):N C ₈ H ₇ NS M _r 149.22 [120-75-2]			
65870	purum >98%(GC); M.P. 12-15°; B.P. ₁₁ 110-113°; d ₄ ²⁰ 1.174; n _D ²⁰ 1.617	1 lt ≈ 1.17 kg	100 ml 22.—	500 ml 90.—
	3-Methyl-2-benzothiazolinone hydrazone hydrochloride (2-Hydrazono-3-methylbenzothiazoline hydrochloride) C ₈ H ₉ N ₃ S.HCl.H ₂ O M _r 233.72 [38894-11-0]			
65875	purum >99%(T); M.P. 270-274° dec.; may contain some free HCl		10 g 18.—	50 g 63.—
	2-Methylbenzoxazole C ₆ H ₄ OC(CH ₃):N C ₈ H ₇ NO M _r 133.15 [95-21-6]			
65880	pract. >98%(GC); M.P. 5-10°; B.P. 200-201° (Lit.); d ₄ ²⁰ 1.119; n _D ²⁰ 1.548	1 lt ≈ 1.12 kg	100 ml 25.—	500 ml 105.—
	4-Methylbenzoyl chloride see 89820 p-Toluoyl chloride			
	Methyl benzoylformate see 78620 Methyl phenylglyoxalate			
	α-Methylbenzyl alcohol see 77850 1-Phenylethanol			
65885	2-Methylbenzyl alcohol purum >99%(GC); M.P. 35-36°; 1 g clearly soluble in 10 ml Methanol CH ₃ C ₆ H ₄ CH ₂ OH C ₈ H ₁₀ O M _r 122.17 [89-95-2]		10 g 18.—	50 g 75.—
	N-Methylbenzylamine see 13570 N-Benzylmethylamine			
	L(-)-α-Methylbenzylamine [S(-)-1-Phenylethylamine] 8/35; 65° C ₆ H ₅ CH(CH ₃)NH ₂ C ₈ H ₁₁ N M _r 121.18 [2627-86-3]			
77870	purum >97%(GC); d ₄ ²⁰ 0.953; n _D ²⁰ 1.526; [α] ₄₃₅ ²⁰ -35±2°; [α] _D ²⁰ -30±2° (c = 10 in Ethanol)	1 lt ≈ 0.95 kg	10 ml 10.—	50 ml 40.— 250 ml 165.—
	D-(+)-α-Methylbenzylamine [R(+)-1-Phenyl-ethylamine] 8/35; 70° C ₆ H ₅ CH(CH ₃)NH ₂ C ₈ H ₁₁ N M _r 121.18 [3886-69-9]			
77880	purum >97%(GC); B.P. 187-189°; d ₄ ²⁰ 0.953; n _D ²⁰ 1.526; [α] ₄₃₅ ²⁰ +35±2°; [α] _D ²⁰ +30±2° (c = 10 in Ethanol)	1 lt ≈ 0.95 kg	10 ml 10.—	50 ml 40.— 250 ml 165.—
	DL-(±)-α-Methylbenzylamine [(±)-1-Phenyl-ethylamine] 8/35; 70° C ₆ H ₅ CH(CH ₃)NH ₂ C ₈ H ₁₁ N M _r 121.18 [618-36-0]			
77890	puriss. >99%(GC); B.P. ₁₀ 69-70°; d ₄ ²⁰ 0.954; n _D ²⁰ 1.527	1 lt ≈ 0.95 kg	50 ml 15.—	250 ml 63.—
77892	purum >98%(GC); B.P. 184-188°; d ₄ ²⁰ 0.95; n _D ²⁰ 1.527	1 lt ≈ 0.95 kg	100 ml 12.—	500 ml 50.—
	4-Methylbenzylamine (p-Xylylamine) 8/35; 80° CH ₃ C ₆ H ₄ CH ₂ NH ₂ C ₈ H ₁₁ N M _r 121.18 [104-84-7]			
65890	purum >97%(GC); B.P. 202-204°; d ₄ ²⁰ 0.957; n _D ²⁰ 1.535	1 lt ≈ 0.96 kg	25 ml 26.—	100 ml 95.—
	2- and 4-Methylbenzyl bromide see 18770 and 18790 α-Bromo-o- and -p-xylene			
	2- and 3-Methylbenzyl chloride see 26650 and 26661 α-Chloro-o- and m-xylene			
	4-Methylbenzyl cyanide see 89970 p-Tolylacetonitrile			

sFr.

sFr.

Methyl-4,6-O-benzylidene-2,3-di-O-p-toluenesulfonyl- α -D-galactopyranoside $C_{28}H_{30}O_{10}S_2$ M_r 590.67 [15384-63-1]

65898

purum M.P. 175-177°; $[\alpha]_{540}^{20} + 166 \pm 3^\circ$; $[\alpha]_D^{20} + 140 \pm 3^\circ$ (c = 1 in Chlf.)

250 mg 22. —

1 g 80. —

 α -Methylbenzyl isocyanate see 77973 and 77971 R(+) and S(−)-1-Phenylethyl isocyanate**R(+)-N-(α -Methylbenzyl)phthalic acid monoamide** [R(+)-N-(1-Phenylethyl)phthalamic acid] $C_{16}H_{15}CH(CH_3)NHCOC_6H_4COOH$ $C_{16}H_{15}NO_3$ M_r 269.31 [21752-35-2]

65901

purum $\sim 97\%$ (T); M.P. 128-130°; $[\alpha]_{540}^{20} + 56 \pm 2^\circ$ (c = 2 in Ethanol)

5 g 40. —

S(−)-N-(α -Methylbenzyl)phthalic acid monoamide [S(−)-N-(1-Phenylethyl)phthalamic acid] $C_{16}H_{15}CH(CH_3)NHCOC_6H_4COOH$ $C_{16}H_{15}NO_3$ M_r 269.30 [21752-36-3]

65902

purum $\sim 97\%$ (T); M.P. 128-130°; $[\alpha]_{540}^{20} - 56 \pm 2^\circ$ (c = 2 in Ethanol); Reagent for the resolution of racemic bases: E. Felder et al., *Helv. Chim. Acta* 52, 329 (1969)

5 g 40. —

N-Methyl-bis-trifluoroacetamide (MBTFA) $CF_3CON(CH_3)COCF_3$ $C_6H_3F_6NO_2$ M_r 223.08 [685-27-8]

65945

purum $>97\%$ (GC); B.P. 121-122°; d_4^{20} 1.547; n_D^{20} 1.345; Reagent for trifluoroacetylations under mild conditions: M. Donike, *J. Chromatogr.* 78, 273 (1973); K. Blau, G. S. King in "Handbook of Derivatives of Chromatography", K. Blau, G. S. King ed., Heyden & Son Ltd., London, 131 (1977)1 lt $\approx$ 1.55 kg

5 ml 32. —

Methyl Blue see 95290 Water Blue**Methyl bromide** see 65950 Bromomethane**Methyl bromoacetate**6.1/61g; 64° $BrCH_2COOCH_3$ $C_3H_5BrO_2$ M_r 152.98 [96-32-2]

17050

purum $>97\%$ (GC); B.P. 144° (Lit.); d_4^{20} 1.659; n_D^{20} 1.4571 lt $\approx$ 1.65 kg

100 ml 16. —

500 ml 67. —

Methyl 2-bromocrotonate (cis + trans) $CH_3CH:CHBrCOOCH_3$ $C_5H_7BrO_2$ M_r 179.03 [17642-18-1]

16750

purum $>98\%$ (GC); B.P. -12 to 60° ; d_4^{20} 1.505; n_D^{20} 1.486; A biannellating reagent which undergoes double Michael-additions: H. Hagiwara, T. Kodama, H. Kosugi, H. Uda, *J. Chem. Soc. Chem. Comm.* 413 (1976)1 lt $\approx$ 1.15 kg

5 ml 37. —

25 ml 155. —

Methyl 2-bromopropionate3/4; 75° $CH_3CHBrCOOCH_3$ $C_4H_7BrO_2$ M_r 167.01 [5445-17-0]

18215

purum $>99\%$ (GC); B.P. 143-145° (Lit.); d_4^{20} 1.498; n_D^{20} 1.4511 lt $\approx$ 1.50 kg

100 ml 20. —

500 ml 85. —

Methyl 3-bromopropionate8/21d; 75° $BrCH_2CH_2COOCH_3$ $C_4H_7BrO_2$ M_r 167.01 [3395-91-3]

18220

purum $\sim 97\%$ (GC); B.P. -12 to 60° ; d_4^{20} 1.53; n_D^{20} 1.4581 lt $\approx$ 1.53 kg

25 ml 22. —

100 ml 80. —

2-Methyl-1,3-butadiene see 59240 Isoprene**3-Methyl-1,2-butadiene**3/1a; -25° $(CH_3)_2C:C:CH_2$ C_5H_8 M_r 68.12 [598-25-4]

65960

purum $>98\%$ (GC); B.P. 40-41°; d_4^{20} 0.684; n_D^{20} 1.4191 lt $\approx$ 0.68 kg

5 ml 60. —

25 ml 255. —

Methyl 1,3-butadiene-1-carboxylate (1,3-Butadiene-1-carboxylic acid methylester; 2,4-Pentadienoic acid methylester) $CH_2:CHCH:CHCOOCH_3$ $C_6H_8O_2$ M_r 112.13 [1515-75-9]

18888

purum $>99\%$ (GC); B.P. -50 to -52° (Lit.); d_4^{20} 0.965; n_D^{20} 1.484; stab. with 0.1% Hydroquinone; store in refrigerator1 lt $\approx$ 0.96 kg

5 ml 34. —

2-Methylbutane (Isopentane)3/1a; -51° $CH_3CH_2CH(CH_3)_2$ C_5H_{12} M_r 72.15 [78-78-4]

59060

puriss. Standard for GC; $>99.7\%$ (GC); B.P. 28-29°; d_4^{20} 0.620; n_D^{20} 1.3541 lt $\approx$ 0.62 kg

10 ml 30. —

50 ml 125. —

59070

puriss. p.a. d_4^{20} 0.620; n_D^{20} 1.354; store in refrigerator1 lt $\approx$ 0.62 kg

250 ml 10. —

1 lt 32. —

Fluka-Guarantee:

Assay (GC)

 $>99.5\%$

%

Copper (Cu)

 $<0.00001\%$ Water (H_2O) $<0.05\%$

%

Lead (Pb)

 $<0.00001\%$

Residue on evaporation

 $<0.001\%$

%

Cadmium (Cd)

 $<0.00001\%$

Iron (Fe)

 $<0.00005\%$

%

Zinc (Zn)

 $<0.00001\%$ 

59075

purum $>99\%$ (GC); B.P. 26-28°; d_4^{20} 0.620; n_D^{20} 1.354; $\sim 0.5\%$ Pentane1 lt $\approx$ 0.62 kg

1 lt 18. —

2.5 lt 40. —

5 lt 75. —

59080

pract. $\sim 95\%$ (GC); B.P. 26-29°; d_4^{20} 0.620; n_D^{20} 1.354; $\sim 2-4\%$ Pentane1 lt $\approx$ 0.62 kg

1 lt 13. —

5 lt 55. —

				sFr.	sFr.
65970	2-Methyl-1,4-butanediol pract. $\text{HOCH}_2\text{CH}_2\text{CH}(\text{CH}_3)\text{CH}_2\text{OH}$ $\text{C}_5\text{H}_{12}\text{O}_2$ M_r 104.15 [2938-98-9]	1 lt $\approx$ 0.99 kg	10 ml 12. —	50 ml 50. —	
	S(—)-2-Methyl-1-butanol (prim-active Amyl alcohol; Isoamyl alcohol) 3/1a; 19° $\text{CH}_3\text{CH}_2\text{CH}(\text{CH}_3)\text{CH}_2\text{OH}$ $\text{C}_5\text{H}_{12}\text{O}$ M_r 88.15 [1565-80-6]				
65979	puriss. >99.5%(GC); B.P. 128°; d_4^{20} 0.821; n_D^{20} 1.409; [α] _D ²⁰ -7.3 $\pm$ 0.3°; [α] _D ²⁰ -6.6 $\pm$ 0.3° (c = 10 in Ethanol)	1 lt $\approx$ 0.82 kg	5 ml 29. —	25 ml 120. —	
65980	purum >97%(GC); d_4^{20} 0.820; n_D^{20} 1.410; [α] _D ²⁰ -7.3 $\pm$ 0.5°; [α] _D ²⁰ -6.3 $\pm$ 0.5° (c = 10 in Ethanol)	1 lt $\approx$ 0.82 kg	100 ml 14. —	500 ml 60. —	
	(±)-2-Methyl-1-butanol (sec-Butyl carbinol) 3/3; 19° $\text{CH}_3\text{CH}_2\text{CH}(\text{CH}_3)\text{CH}_2\text{OH}$ $\text{C}_5\text{H}_{12}\text{O}$ M_r 88.15 [34713-94-5]				
65990	purum >98%(GC) + 2-3% Isopentanol; B.P. 126-129°; d_4^{20} 0.820; n_D^{20} 1.410	1 lt $\approx$ 0.82 kg	250 ml 7. —	1 lt 22. —	2.5 lt 50. —
	2-Methyl-2-butanol (tert-Amyl alcohol; tert-Pentyl alcohol) 3/3; 39° $\text{CH}_3\text{CH}_2\text{C}(\text{CH}_3)_2\text{OH}$ $\text{C}_5\text{H}_{12}\text{O}$ M_r 88.15 [75-85-4]				
66000	purum Ph. Helv.; $\sim$ 99%(GC); B.P. 100-103°; d_4^{20} 0.808; n_D^{20} 1.405	1 lt $\approx$ 0.81 kg	1 lt 20. —	5 lt 85. —	
	3-Methyl-1-butanol (Isopentyl alcohol) 3/3; 43° $(\text{CH}_3)_2\text{CHCH}_2\text{CH}_2\text{OH}$ $\text{C}_5\text{H}_{12}\text{O}$ M_r 88.15 [123-51-3]				
59090	puriss. p.a. free of Isomers; B.P. 131-132°; d_4^{20} 0.809; n_D^{20} 1.407	1 lt $\approx$ 0.81 kg	250 ml 8. —	1 lt 25. —	2.5 lt 55. —
	Fluka-Guarantee: Assay (GC) >99.0 % Iron (Fe) <0.00005% Water (H ₂ O) <0.3 % Cobalt (Co) <0.00001% Residue on evaporation <0.003% Nickel (Ni) <0.00001% Acid (as CH ₃ COOH) <0.01 % Copper (Cu) <0.00001% Acids and ester Lead (Pb) <0.00001% (as CH ₃ COOC ₅ H ₁₁) <0.06 % Cadmium (Cd) <0.00001% Aldehyde (HCHO) <0.1 % Zinc (Zn) <0.00001%				
59100	purum p.a. free of furfural; mixture of isomers; standardized for the determination of fat according to Gerber Fluka-Guarantee: The product has been analysed by the Swiss Federal Institut for milk research and is suitable for the determination of fat content in milk and cream	1 lt $\approx$ 0.81 kg	1 lt 15. —	2.5 lt 33. —	
	3-Methyl-2-butanol (Isopropyl methyl carbinol) 3/3; 39° $(\text{CH}_3)_2\text{CHCH}(\text{OH})\text{CH}_3$ $\text{C}_5\text{H}_{12}\text{O}$ M_r 88.15 [598-75-4]				
66020	purum >97%(GC); B.P. 112-114°; d_4^{20} 0.816; n_D^{20} 1.408	1 lt $\approx$ 0.82 kg	100 ml 22. —	500 ml 90. —	
	3-Methyl-2-butanone (Isopropyl methyl ketone) 3/1a; -3° $(\text{CH}_3)_2\text{CHCOCH}_3$ $\text{C}_5\text{H}_{10}\text{O}$ M_r 86.14 [563-80-4]				
59600	puriss. $\sim$ 99%(GC); B.P. 93-94°; d_4^{20} 0.804; n_D^{20} 1.388	1 lt $\approx$ 0.80 kg	100 ml 18. —	500 ml 75. —	
59610	purum >98%(GC); B.P. 90-94°; d_4^{20} 0.803; n_D^{20} 1.388	1 lt $\approx$ 0.80 kg	250 ml 14. —	1 lt 50. —	
	trans-2-Methyl-2-butenal see 89449 Tiglic aldehyde				
	2-Methyl-1-butene 3/1a; -20° $\text{CH}_3\text{CH}_2\text{C}(\text{CH}_3):\text{CH}_2$ C_5H_{10} M_r 70.14 [563-46-2]				
66030	puriss. Standard for GC; >99.5%(GC); B.P. 31-32°; d_4^{20} 0.651; n_D^{20} 1.378	1 lt $\approx$ 0.65 kg	10 ml 30. —	50 ml 125. —	
66035	purum >99%(GC) + 1-Pentene; B.P. 31-32°; d_4^{20} 0.650; n_D^{20} 1.378	1 lt $\approx$ 0.65 kg	50 ml 29. —	250 ml 120. —	
66040	pract. >95%(GC) + 1-Pentene; B.P. 30-32°; d_4^{20} 0.650; n_D^{20} 1.378	1 lt $\approx$ 0.65 kg	50 ml 20. —	250 ml 85. —	
	2-Methyl-2-butene 3/1a; -20° $\text{CH}_3\text{CH}:\text{C}(\text{CH}_3)_2$ C_6H_{10} M_r 70.14 [513-35-9]				
66050	puriss. Standard for GC; >99.5%(GC); B.P. 37-38°; d_4^{20} 0.663; n_D^{20} 1.387	1 lt $\approx$ 0.66 kg	10 ml 32. —	50 ml 135. —	
66055	purum >99%(GC) + 2-Pentene; B.P. 37-38°; d_4^{20} 0.662; n_D^{20} 1.387	1 lt $\approx$ 0.66 kg	50 ml 13. —	250 ml 55. —	
66060	pract. >95%(GC) + 2-Pentene; B.P. 37-39°; d_4^{20} 0.662; n_D^{20} 1.387	1 lt $\approx$ 0.66 kg	250 ml 24. —	1 lt 90. —	
	3-Methyl-1-butene 2/36 $(\text{CH}_3)_2\text{CHCH}:\text{CH}_2$ C_6H_{10} M_r 70.14 [563-45-1]				
66070	puriss. Standard for GC; >99.5%(GC) + 2-Methyl-1-butene + 1-Pentene; B.P. 20°; d_4^{20} 0.627; n_D^{20} 1.366	1 lt $\approx$ 0.63 kg	Ampoules of 10 ml	60. —	
66078	purum >99%(GC) + 2-Methyl-1-butene + 1-Pentene; B.P. 20°	1 lt $\approx$ 0.63 kg	Ampoules of 100 ml	70. —	
66075	2/11b Pressure tin with 250 ml, net $\sim$ 155 g		120. — (Reg. valve 83547)		
66079	Cyl. with 3.8 lt, net $\sim$ 2.7 kg		1200. —		



			sFr.	sFr.
36085	2-Methyl-2-butenenitrile techn. $\text{CH}_3\text{CH}:\text{C}(\text{CH}_3)\text{CN}$ $\text{C}_5\text{H}_7\text{N}$ M_r 81.12 [4403-61-6]	1 lt $\approx$ 0.82 kg	250 ml 12. —	1 lt 40. —
66087	2-Methyl-3-butenenitrile techn. $\text{CH}_2:\text{CHCH}(\text{CH}_3)\text{CN}$ $\text{C}_5\text{H}_7\text{N}$ M_r 81.12 [16529-56-9]	1 lt $\approx$ 0.81 kg	250 ml 13. —	1 lt 45. —
	trans-2-Methyl-2-butenic acid see 89450 Tiglic acid			
	3-Methyl-2-butenic acid see 38880 3,3-Dimethylacrylic acid			
	2-Methyl-3-buten-2-ol (3-Hydroxy-3-methyl-1-butene) 3/1a; 10° $\text{CH}_2:\text{CHC}(\text{CH}_3)_2\text{OH}$ $\text{C}_5\text{H}_{10}\text{O}$ M_r 86.14 [115-18-4]			
66090	purum >99%(GC); B.P. 96-99°; d_4^{20} 0.824; n_D^{20} 1.418	1 lt $\approx$ 0.82 kg	500 ml 18. —	1 lt 35. —
	N-Methylbutylamine see 20251 N-Butylmethylamine			
	2-Methyl-3-butyn-2-ol (Dimethyl ethynyl carbinol) 3/3; 22° $\text{HC}\equiv\text{CC}(\text{CH}_3)_2\text{OH}$ $\text{C}_6\text{H}_8\text{O}$ M_r 84.12 [115-19-5]			
66120	purum >99%(GC); M.P. 3-4°; B.P. 102-104°; d_4^{20} 0.861; n_D^{20} 1.420	1 lt $\approx$ 0.86 kg	250 ml 10. —	1 lt 35. —
	3-Methylbutyraldehyde see 59820 Isovaleraldehyde			
19360	Methyl butyrate purum >99%(GC); B.P. 99-102°; d_4^{20} 0.898; n_D^{20} 1.388 3/1a; 14° $\text{CH}_3\text{CH}_2\text{CH}_2\text{COOCH}_3$ $\text{C}_5\text{H}_{10}\text{O}_2$ M_r 102.14 [623-42-7]	1 lt $\approx$ 0.90 kg	250 ml 17. —	1 lt 60. —
	2-Methylbutyric acid 3/4; 83° $\text{CH}_3\text{CH}_2\text{CH}(\text{CH}_3)\text{COOH}$ $\text{C}_5\text{H}_{10}\text{O}_2$ M_r 102.14 [116-53-0]			
66130	purum >98%(GC); B.P. 175-177°; d_4^{20} 0.934; n_D^{20} 1.405; contains <2% Isovaleric acid	1 lt $\approx$ 0.93 kg	100 ml 12. —	500 ml 50. —
	3-Methylbutyric acid see 59850 Isovaleric acid			
	2-Methylbutyrophenone (1-Butyryl-2-methylbenzene; 2-Butyryltoluene; Propyl o-tolyl ketone; 1-o-Tolyl-1-butanone) $\text{CH}_3\text{C}_6\text{H}_4\text{COCH}_2\text{CH}_2\text{CH}_3$ $\text{C}_{11}\text{H}_{14}\text{O}$ M_r 162.23 [35028-06-9]			
66150	purum	1 lt $\approx$ 0.98 kg	25 ml 33. —	
	3-Methylbutyryl chloride see 59890 Isovaleryl chloride			
66175	Methyl Calceine p.a. $\text{C}_{31}\text{H}_{28}\text{N}_2\text{O}_{13}$ M_r 636.57		1 g 13. —	5 g 55. —
66177	Methyl Calceine Blue p.a. [4-Methylumbelliferone-8-(N-methyl)methylaminoacetic acid] $\text{C}_{14}\text{H}_{15}\text{NO}_5$ M_r 277.28		1 g 13. —	5 g 55. —
	Methyl caprylate see 21479 Methyl decanoate			
	Methyl caproate (Methyl hexanoate) 3/3; 43° $\text{CH}_3(\text{CH}_2)_4\text{COOCH}_3$ $\text{C}_7\text{H}_{14}\text{O}_2$ M_r 130.19 [106-70-7]			
21599	puriss. Standard for GC; >99.5%(GC); B.P. 150-151°; d_4^{20} 0.884; n_D^{20} 1.405	1 lt $\approx$ 0.88 kg	5 ml 21. —	
21600	puriss. >99%(GC); B.P. 149-151°; d_4^{20} 0.884; n_D^{20} 1.405	1 lt $\approx$ 0.88 kg	100 ml 15. —	500 ml 63. —
	2-Methylcaproic acid see 67435 2-Methylhexanoic acid			
66179	N-Methylcaprolactam purum >99%(GC); B.P. 233-236°; d_4^{20} 1.013; n_D^{20} 1.483 106° $\text{CH}_2(\text{CH}_2)_4\text{CONCH}_3$ $\text{C}_7\text{H}_{13}\text{NO}$ M_r 127.19 [2556-73-2]	1 lt $\approx$ 1.01 kg	250 ml 17. —	1 lt 60. —
	Methyl caprylate (Methyl octanoate) 3/4; 69° $\text{CH}_3(\text{CH}_2)_6\text{COOCH}_3$ $\text{C}_9\text{H}_{18}\text{O}_2$ M_r 158.24 [111-11-5]			
21719	puriss. Standard for GC; >99.5%(GC); B.P. 193-194° (Lit.); d_4^{20} 0.875; n_D^{20} 1.417	1 lt $\approx$ 0.88 kg	5 ml 21. —	
21720	puriss. >99%(GC); d_4^{20} 0.875; n_D^{20} 1.417	1 lt $\approx$ 0.88 kg	100 ml 20. —	
21752	Methyl carbamate purum M.P. 54-56° (Urethylane) $\text{NH}_2\text{COOCH}_3$ $\text{C}_2\text{H}_5\text{NO}_2$ M_r 75.07 [598-55-0]		250 g 13. —	
53480	4-Methylcatechol purum M.P. 63-65° (3,4-Dihydroxytoluene; Homopyrocatechol) $\text{CH}_3\text{C}_6\text{H}_3(\text{OH})_2$ $\text{C}_7\text{H}_8\text{O}_2$ M_r 124.14 [452-86-8]		100 g 20. —	500 g 85. —
	Methylcellulose see 64610 Methocel MC and 93800 "Tylose"			
	Methyl chloride see 66222 Chloromethane			
	Methyl chloroacetate 6.1/61e; 47° $\text{ClCH}_2\text{COOCH}_3$ $\text{C}_3\text{H}_5\text{ClO}_2$ M_r 108.52 [96-34-4]			
24600	purum >99%(GC); B.P. 127-130°; d_4^{20} 1.230; n_D^{20} 1.422	1 lt $\approx$ 1.23 kg	250 ml 9. —	1 lt 28. —



			sFr.	sFr.
22815	Methyl 2-chloroacetoacetate pract. ~95%(GC); d_4^{20} 1.254; n_D^{20} 1.446 6.1/61; 32° $\text{CH}_3\text{COCHClCOOCH}_3$ $\text{C}_5\text{H}_7\text{ClO}_3$ M_r 150.56 [4755-81-1]	1 lt $\approx$ 1.25 kg	250 ml 16. —	1 lt 55. —
	Methyl 4-chlorobutyrate 3/3; 56° $\text{Cl}(\text{CH}_2)_3\text{COOCH}_3$ $\text{C}_5\text{H}_9\text{ClO}_2$ M_r 136.58 [3153-37-5]			
24040	purum >98%(GC); B.P. 171-174°; d_4^{20} 1.122; n_D^{20} 1.433	1 lt $\approx$ 1.12 kg	100 ml 30. —	
	Methylchloroform see 91099 1,1,1-Trichloroethane			
	Methyl chloroformate 6.1/4b; 10° ClCOOCH_3 $\text{C}_2\text{H}_3\text{ClO}_2$ M_r 94.50 [79-22-1]			
23211	purum >97%(GC); B.P. 71-72°; d_4^{20} 1.228; n_D^{20} 1.388; stab. with 0.1% CaCO_3	1 lt $\approx$ 1.23 kg	100 ml 7. —	500 ml 18. — 2.5 lt 75. —
	Methyl 4-(chloroformyl)butyrate see 49735 Glutaric acid monomethylester chloride			
	Methyl 3-(chloroformyl)propionate see 14195 3-Carbomethoxypropionyl chloride			
	Methyl chloroglyoxalate see 75754 mono-Methyl oxalyl chloride			
	Methyl 2-chloropropionate 3/3; 32° $\text{CH}_3\text{CHClCOOCH}_3$ $\text{C}_4\text{H}_7\text{ClO}_2$ M_r 122.55 [17639-93-9]			
26225	pract. 90-95%(GC); B.P. 127-132°; d_4^{20} 1.136; n_D^{20} 1.417	1 lt $\approx$ 1.14 kg	500 ml 18. —	
	Methyl 3-chloropropyl ketone see 25791 5-Chloro-2-pentanone			
	3-Methylcholanthrene (20) 6.1/81e $\text{C}_{21}\text{H}_{16}$ M_r 268.36 [56-49-5]			
66230	puriss. >99%(UV); M.P. 178-180°; Inhalation and contact with skin should be avoided	100 mg 25. —	250 mg 55. —	1 g 200. —
96410	Methyl cinnamate purum >99%(GC); M.P. 34-36°; B.P. 127° (Lit.) $\text{C}_6\text{H}_5\text{CH:CHCOOCH}_3$ $\text{C}_{10}\text{H}_{10}\text{O}_2$ M_r 162.19 [103-26-4]		100 g 11. —	500 g 44. —
69738	α-Methylcinnamic acid purum >99%(T); M.P. 79-81° $\text{C}_6\text{H}_5\text{CH:C}(\text{CH}_3)\text{COOH}$ $\text{C}_{10}\text{H}_{10}\text{O}_2$ M_r 162.19 [1199-77-5]		10 g 22. —	50 g 90. —
	Methyl crotonate 3/1a; -1° $\text{CH}_3\text{CH:CHCOOCH}_3$ $\text{C}_5\text{H}_8\text{O}_2$ M_r 100.12 [623-43-8]			
28070	purum >98%(GC); B.P. 117-120°; d_4^{20} 0.947; n_D^{20} 1.426; Methyl isocrotonate ~3%	1 lt $\approx$ 0.95 kg	100 ml 16. —	500 ml 67. —
	Methyl cyanide see 00690 Acetonitrile			
	Methyl cyanoacetate 6.1/21 $\text{NCCH}_2\text{COOCH}_3$ $\text{C}_4\text{H}_5\text{NO}_2$ M_r 99.09 [105-34-0]			
28460	puriss. ~99%(GC); B.P. 85-87°; d_4^{20} 1.127; n_D^{20} 1.418	1 lt $\approx$ 1.13 kg	250 ml 13. —	1 lt 45. —
	Methylcyclohexane (Hexahydrotoluene) 3/1a; -4° $\text{CH}_2(\text{CH}_2)_4\text{CHCH}_3$ C_7H_{14} M_r 98.19 [108-87-2]			
66290	puriss. p.a. B.P. 99-101°; d_4^{20} 0.768; n_D^{20} 1.423	1 lt $\approx$ 0.77 kg	100 ml 12. —	500 ml 50. —
	Fluka-Guarantee: Assay (GC) >99.0 % Residue on evaporation <0.002 % Iron (Fe) <0.00005 % Cobalt (Co) <0.00001 % Nickel (Ni) <0.00001 % Copper (Cu) <0.00001 % Lead (Pb) <0.00001 % Cadmium (Cd) <0.00001 % Zinc (Zn) <0.00001 %			
66300	purum >99%(GC); B.P. 98-101°; d_4^{20} 0.768; n_D^{20} 1.423	1 lt $\approx$ 0.77 kg	1 lt 13. —	5 lt 55. —
	2-Methyl-1,3-cyclohexanedione $\text{CH}_3\text{CHCOCH}_2\text{CH}_2\text{CH}_2\text{CO}$ $\text{C}_7\text{H}_{10}\text{O}_2$ M_r 126.16 [1193-55-1]			
66305	purum ~98%(C,H-Analysis); M.P. 207-209°; 1 g clearly soluble in 10 ml Methanol; store in refrigerator		10 g 25. —	50 g 105. —
	Methylcyclohexanol ("Methylhexaline") 3/3; 41° $\text{C}_7\text{H}_{14}\text{O}$ M_r 114.19 [25639-42-3]			
66370	pract. Mixture of Isomers; B.P. 171-173°; d_4^{20} 0.921; n_D^{20} 1.459	1 lt $\approx$ 0.92 kg	1 lt 28. —	2.5 lt 63. —
	2-Methylcyclohexanol (Hexahydro-o-cresol) 3/4; 64° $\text{CH}_3\text{CH}(\text{CH}_2)_4\text{CHOH}$ $\text{C}_7\text{H}_{14}\text{O}$ M_r 114.19 [583-59-5]			
66320	purum >97%(GC); B.P. 163-167°; d_4^{20} 0.929; n_D^{20} 1.463	1 lt $\approx$ 0.93 kg	250 ml 20. —	1 lt 70. —
	3-Methylcyclohexanol (cis + trans) (Hexahydro-m-cresol) 3/4; 67° $\text{CH}_2\text{CH}(\text{CH}_3)(\text{CH}_2)_3\text{CHOH}$ $\text{C}_7\text{H}_{14}\text{O}$ M_r 114.19 [591-23-1]			
66330	purum >98%(GC); B.P. 170-172°; d_4^{20} 0.917; n_D^{20} 1.457	1 lt $\approx$ 0.92 kg	100 ml 16. —	500 ml 67. —



				sFr.	sFr.
	4-Methylcyclohexanol (cis + trans)				
	3/3; 39°	$\text{CH}_2\text{CH}_2\text{CH}(\text{CH}_3)\text{CH}_2\text{CH}_2\text{CHOH}$	$\text{C}_7\text{H}_{14}\text{O}$ M_r 114.19 [589-91-3]		
66360		purum >99%(GC); B.P. 171-173°; d_4^{20} 0.916; n_D^{20} 1.457		1 lt ≈ 0.92 kg	100 ml 16. — 500 ml 67. —
	Methylcyclohexanone				
	3/3; 48°	$\text{C}_7\text{H}_{12}\text{O}$ M_r 112.17 [1331-22-2]			
66411		purum Mixture of Isomers; B.P. 167-169°; d_4^{20} 0.917; n_D^{20} 1.446		1 lt ≈ 0.92 kg	250 ml 7. — 1 lt 20. —
	2-Methylcyclohexanone (Tetrahydro-o-cresol)				
	3/3; 48°	$\text{CH}_3\text{CH}(\text{CH}_2)_4\text{CO}$	$\text{C}_7\text{H}_{12}\text{O}$ M_r 112.17 [583-60-8]		
66380		pract. ~95%(GC); B.P. 161-163°; d_4^{20} 0.925; n_D^{20} 1.448		1 lt ≈ 0.92 kg	100 ml 14. — 500 ml 60. —
	3-Methylcyclohexanone (Tetrahydro-m-cresol)				
	3/3; 48°	$\text{CH}_3\text{CH}(\text{CH}_2)_3\text{COCH}_2$	$\text{C}_7\text{H}_{12}\text{O}$ M_r 112.17 [591-24-2]		
66390		purum >97%(GC); B.P. 167-170°; d_4^{20} 0.915; n_D^{20} 1.446		1 lt ≈ 0.92 kg	100 ml 22. — 500 ml 90. —
	4-Methylcyclohexanone (Tetrahydro-p-cresol)				
	3/3; 48°	$\text{CH}_2\text{CH}_2\text{CH}(\text{CH}_3)\text{CH}_2\text{CH}_2\text{CO}$	$\text{C}_7\text{H}_{12}\text{O}$ M_r 112.17 [589-92-4]		
66400		purum >97%(GC); B.P. 160-162°; d_4^{20} 0.914; n_D^{20} 1.445		1 lt ≈ 0.91 kg	25 ml 17. — 100 ml 60. —
	1-Methyl-1-cyclohexene				
	3/1a; -1°	$\text{CH}_2(\text{CH}_2)_3\text{CH}:\text{CCH}_3$	C_7H_{12} M_r 96.17 [591-49-1]		
66429		puriss. >99%(GC); B.P. 110-111°; d_4^{20} 0.811; n_D^{20} 1.450		1 lt ≈ 0.81 kg	5 ml 21. — 25 ml 90. —
66430		pract. >95%(GC); B.P. 108-113°; d_4^{20} 0.810; n_D^{20} 1.450		1 lt ≈ 0.81 kg	25 ml 17. — 100 ml 60. —
	3-Methyl-1-cyclohexene (1,2,3,4-Tetrahydrotoluene)				
	3/1a; -1°	$\text{CH}:\text{CH}(\text{CH}_2)_3\text{CHCH}_3$	C_7H_{12} M_r 96.17 [591-48-0]		
66440		purum >99%(GC); B.P. 101-103°; d_4^{20} 0.801; n_D^{20} 1.444		1 lt ≈ 0.80 kg	5 ml 20. — 25 ml 85. —
	4-Methyl-1-cyclohexene (1,2,3,6-Tetrahydrotoluene)				
	3/1a; -7°	$\text{CH}_2\text{CH}_2\text{CH}:\text{CHCH}_2\text{CHCH}_3$	C_7H_{12} M_r 96.17 [591-47-9]		
66450		purum >99%(GC); B.P. 101-102°		1 lt ≈ 0.80 kg	5 ml 20. — 25 ml 85. —
	6-Methyl-3-cyclohexene-1-carboxaldehyde see 69265 2-Methyl-1,2,3,6-tetrahydrobenzaldehyde				
	N-Methylcyclohexylamine (N-Cyclohexylmethylamine)				
	8/35; 39°	$\text{CH}_2(\text{CH}_2)_4\text{CHNHCH}_3$	$\text{C}_7\text{H}_{15}\text{N}$ M_r 113.20 [100-60-7]		
66460		pract. >98%(GC); M.P. -9--7°; d_4^{20} 0.857; n_D^{20} 1.456		1 lt ≈ 0.86 kg	250 ml 9. — 1 lt 30. —
	2-Methylcyclohexylamine (cis + trans) (1-Amino-2-methylcyclohexane)				
	3/3; 39°	$\text{CH}_3\text{CH}(\text{CH}_2)_4\text{CHNH}_2$	$\text{C}_7\text{H}_{15}\text{N}$ M_r 113.21 [7003-32-9]		
66461		purum >99%(GC); B.P. 144-146°; d_4^{20} 0.859; n_D^{20} 1.457		1 lt ≈ 0.86 kg	25 ml 26. — 100 ml 95. —
	4-Methylcyclohexylamine (1-Amino-4-methylcyclohexane)				
	8/35	$\text{CH}_2\text{CH}_2\text{CH}(\text{CH}_3)\text{CH}_2\text{CH}_2\text{CHNH}_2$	$\text{C}_7\text{H}_{15}\text{N}$ M_r 113.20 [6321-23-9]		
66462		purum >97%(GC); B.P. 151-152°; d_4^{20} 0.854; n_D^{20} 1.453		1 lt ≈ 0.85 kg	25 ml 17. — 100 ml 60. —
	Methyl 3-cyclohexylpropionate				
		$\text{CH}_2(\text{CH}_2)_4\text{CHCH}_2\text{CH}_2\text{COOCH}_3$	$\text{C}_{10}\text{H}_{18}\text{O}_2$ M_r 170.29 [20681-51-0]		
29543		purum >99%(GC); B.P. 221-224°; d_4^{20} 0.956; n_D^{20} 1.452		1 lt ≈ 0.96 kg	100 ml 38. —
	Methylcyclopentadiene dimer techn. B.P. 70-80°; d_4^{20} 0.938; n_D^{20} 1.499				
66480		3/3; 53° $\text{C}_{12}\text{H}_{16}$ M_r 160.26 [26472-00-4]		1 lt ≈ 0.94 kg	250 ml 9. — 1 lt 28. —
	Methylcyclopentane				
	3/1a; -29°	$\text{CH}_2(\text{CH}_2)_3\text{CHCH}_3$	C_6H_{12} M_r 84.16 [96-37-7]		
66490		puriss. Standard for GC; >99.5%(GC); B.P. 71-73°; d_4^{20} 0.747; n_D^{20} 1.410		1 lt ≈ 0.75 kg	10 ml 30. — 50 ml 125. —
66495		purum >99%(GC); B.P. 70-73°; d_4^{20} 0.748; n_D^{20} 1.410		1 lt ≈ 0.75 kg	100 ml 12. — 500 ml 50. —
66500		pract. ~98%(GC); B.P. 70-73°; d_4^{20} 0.748; n_D^{20} 1.410		1 lt ≈ 0.75 kg	250 ml 10. — 1 lt 35. —
	3-Methyl-1,2-cyclopentanedione (2-Hydroxy-3-methyl-2-cyclopenten-1-one)				
		$\text{CH}_3\text{C}:\text{C}(\text{OH})\text{COCH}_2\text{CH}_2$	$\text{C}_6\text{H}_8\text{O}_2 \cdot \text{H}_2\text{O}$ M_r 130.14 [765-69-5]		
66550		purum >97%(NT; dry); M.P. 105-107° (dry)		25 g 16. —	100 g 55. —
	2-Methyl-1,3-cyclopentanedione purum M.P. 213-215°				
66515		$\text{O}=\text{CCH}(\text{CH}_3)\text{COCH}_2\text{CH}_2$	$\text{C}_6\text{H}_8\text{O}_2$ M_r 112.13 [765-69-5]	5 g 20. —	25 g 85. —
	3-Methylcyclopentanone				
	3/3; 34°	$\text{CH}_2\text{CH}_2\text{COCH}_2\text{CHCH}_3$	$\text{C}_6\text{H}_{10}\text{O}$ M_r 98.15 [1757-42-2]		
66530		purum >99%(GC); B.P. 142-145°; d_4^{20} 0.914; n_D^{20} 1.434		1 lt ≈ 0.91 kg	5 ml 24. — 25 ml 100. —

			sFr.	sFr.
Methyl cyclopentanone-2-carboxylate (2-Methoxycarbonylcyclopentanone; 3/4; 79° Methyl 2-oxocyclopentanecarboxylate) $\text{OC}(\text{CH}_2)_3\text{CHCOOCH}_3$ $\text{C}_7\text{H}_{10}\text{O}_3$ M_r 142.16 [10472-24-9]				
29785	pract. ~95% (GC); B.P. 105° (Lit.); d_4^{20} 1.123; n_D^{20} 1.457	1 lt ≈ 1.12 kg	100 ml 35. —	500 ml 145. —
1-Methyl-1-cyclopentene 3/1a; 30° $\text{CH}_2\text{CH}_2\text{CH}_2\text{CH}=\text{CCH}_3$ C_6H_{10} M_r 82.15 [693-89-0]				
66539	puriss. Standard for GC; >99.5% (GC); B.P. 74-76°; d_4^{20} 0.779; n_D^{20} 1.433	1 lt ≈ 0.78 kg	5 ml 40. —	
66540	purum >99% (GC); B.P. 75-77°; d_4^{20} 0.778; n_D^{20} 1.432	1 lt ≈ 0.78 kg	5 ml 21. —	25 ml 90. —
N-Methylcyclopentylamine see 29840 N-Cyclopentylmethylamine				
66553	1-Methylcyclopropanecarboxylic acid purum >98% (GC) $\text{CH}_2\text{CH}_2\text{C}(\text{CH}_3)\text{COOH}$ $\text{C}_5\text{H}_8\text{O}_2$ M_r 100.12 [6914-76-7]		10 g 13. —	50 g 55. —
66557	2-Methylcyclopropanecarboxylic acid purum >98% (GC) $\text{CH}_2\text{CH}(\text{CH}_3)\text{CHCOOH}$ $\text{C}_5\text{H}_8\text{O}_2$ M_r 100.12 [29555-02-0]	1 lt ≈ 1.03 kg	10 ml 13. —	50 ml 55. —
α-Methylcyclopropanemethanol see 29930 1-Cyclopropylethanol				
S-Methyl-L-cysteine (2-Amino-3-methylmercaptopropionic acid) $\text{CH}_3\text{SCH}_2\text{CH}(\text{NH}_2)\text{COOH}$ $\text{C}_4\text{H}_9\text{NO}_2\text{S}$ M_r 135.19 [1187-84-4]				
66560	purum >99% (NT); M.P. ~240° dec.; $[\alpha]_{540}^{20}$ -33±1° (c = 5 in water); Ash <0.5%		5 g 12. —	25 g 50. —
66581	5-Methylcytosine purum ~96% (NT) [4(6)-Amino-2-hydroxy-5-methylpyrimidine] $\text{N}:\text{C}(\text{OH})\text{N}:\text{C}(\text{NH}_2)\text{C}(\text{CH}_3):\text{CH}$ $\text{C}_5\text{H}_7\text{N}_3\text{O}$ M_r 125.13 [554-01-8]		250 mg 10. —	1 g 32. —
Methyl decanoate (Methyl capriate) 3/4; 90° $\text{CH}_3(\text{CH}_2)_8\text{COOCH}_3$ $\text{C}_{11}\text{H}_{22}\text{O}_2$ M_r 186.30 [110-42-9]				
21479	puriss. Standard for GC; >99.5% (GC); B.P. 224° (Lit.)	1 lt ≈ 0.87 kg	5 ml 21. —	
21480	puriss. >99% (GC); M.P. -11--10°; d_4^{20} 0.871; n_D^{20} 1.426	1 lt ≈ 0.87 kg	100 ml 20. —	500 ml 85. —
N-Methyl-1,3-diaminopropane see 65690 3-Methylaminopropylamine				
Methyl 2,3-dibromopropionate $\text{CH}_2\text{BrCHBrCOOCH}_3$ $\text{C}_4\text{H}_6\text{Br}_2\text{O}_2$ M_r 245.91 [1729-67-5]				
34310	purum ~97% (GC); B.P. 83-86°; d_4^{20} 1.937; n_D^{20} 1.513; store in refrigerator	1 lt ≈ 1.94 kg	25 ml 31. —	
Methyl dichloroacetate 6.1/61; 64° $\text{Cl}_2\text{CHCOOCH}_3$ $\text{C}_3\text{H}_4\text{Cl}_2\text{O}_2$ M_r 142.97 [116-54-1]				
35840	purum >99% (GC); B.P. 141-145°; d_4^{20} 1.378; n_D^{20} 1.442	1 lt ≈ 1.38 kg	500 ml 29. —	
Methyl 2,3-dichloropropionate 3/4; 63° $\text{ClCH}_2\text{CHClCOOCH}_3$ $\text{C}_4\text{H}_6\text{Cl}_2\text{O}_2$ M_r 157.00 [3674-09-7]				
36380	purum >97% (GC); B.P. 67-68° (Lit.); d_4^{20} 1.31; n_D^{20} 1.451	1 lt ≈ 1.31 kg	25 ml 29. —	100 ml 105. —
Methyldichlorosilane see 66630 Dichloromethylsilane				
N-Methyldiethanolamine [N,N-Bis(2-hydroxyethyl)methylamine; 2,2'-Methyliminodiethanole] $\text{CH}_3\text{N}(\text{CH}_2\text{CH}_2\text{OH})_2$ $\text{C}_6\text{H}_{13}\text{NO}_2$ M_r 119.17 [105-59-9]				
66610	pract. >98% (GC); B.P. 244-246°; d_4^{20} 1.040; n_D^{20} 1.469	1 lt ≈ 1.04 kg	250 ml 8. —	1 lt 25. —
1-Methyldiethylamine see 04211 N-Ethylisopropylamine				
N-Methyldiethylamine see 32441 N,N-Diethylmethylamine				
Methyl diglycol see 32280 Diethylene glycol monomethyl ether				
O-Methyl-N,N'-diisopropyl isourea (N,N'-Diisopropyl-O-methyl isourea) $(\text{CH}_3)_2\text{CHNHC}(\text{OCH}_3):\text{NCH}(\text{CH}_3)_2$ $\text{C}_8\text{H}_{18}\text{N}_2\text{O}$ M_r 158.24 [54648-79-2]				
66638	purum >98% (GC); B.P. 50-52°; d_4^{20} 0.871; n_D^{20} 1.438; Reagent for the methylation of carboxylic acids, phenols, thiols, β-diketones, amino acids and amines: E. Schmidt, F. Moosmüller, Liebigs Ann. Chem. 597, 235 (1955); J. A. Musich, H. Rapoport, J. Org. Chem. 42, 139 (1977) (and references cited therein)	1 lt ≈ 0.87 kg	25 ml 33. —	
Methyl dimethoxyacetate 3/4; 67° $(\text{CH}_3\text{O})_2\text{CHCOOCH}_3$ $\text{C}_6\text{H}_{10}\text{O}_4$ M_r 134.13 [89-91-8]				
38770	purum ~97% (GC); B.P. 160-163°; d_4^{20} 1.099; n_D^{20} 1.406	1 lt ≈ 1.10 kg	5 ml 22. —	25 ml 90. —

			sFr.	sFr.
	N-Methyldioctylamine see 42430 N,N-Dioctylmethylamine			
	4-Methyl-1,3-dioxolan-2-one see 82229 Propylene carbonate			
	3-Methyldiphenylether see 77780 3-Phenoxytoluene			
	Methyldiphenylphosphine			
66642	6.1/81a	(C ₆ H ₅) ₂ PCH ₃ C ₁₃ H ₁₃ P M _r 200.22 [1486-28-8] purum >99%(GC); B.P. ₁₅ 160°; d ₄ ²⁰ 1.064; n _D ²⁰ 1.625; severe poison; very sensitive to air and moisture	1 lt ≈ 1.06 kg	Ampoules of 5 ml (under Argon) 75.-
	Methyl diphenylphosphinite see 64955 Methoxydiphenylphosphine			
	N-Methyldipropylenetriamine [N'(3-Aminopropyl)-3-methylaminopropylamine; 3,3'-Diamino-N-methyldipropylamine] NH ₂ (CH ₂) ₃ N(CH ₃)(CH ₂) ₃ NH ₂ C ₇ H ₁₉ N ₃ M _r 145.25 [16968-18-6]			
66641		pract.	1 lt ≈ 0.90 kg	500 ml 32.-
69075	2-Methyl-1,2-di-(3-pyridyl)-1-propanone	purum (Metyrapone) CH:CHCH:NCH:CC(CH ₃) ₂ COCH:CHN:CHCH:CH C ₁₄ H ₁₄ N ₂ O M _r 226.28	1 g 18.-	5 g 75.-
	Methyl disulfide (Dimethyldisulfide)			
40221	6.1/81a	CH ₃ SSCH ₃ C ₂ H ₆ S ₂ M _r 94.20 [624-92-0] pract. >99%(GC); B.P. 108-109°; d ₄ ²⁰ 1.060; n _D ²⁰ 1.525	1 lt ≈ 1.06 kg	250 ml 12.- 1 lt 40.-
	2-Methyl-1,3-dithiane			
66647	3/4; 75°	SC ₂ H ₄ CH ₂ CH ₂ SC ₂ H ₄ CH ₃ C ₆ H ₁₀ S ₂ M _r 134.25 [6007-26-7] purum >98%(GC); B.P. ₁₂ 85°; d ₄ ²⁰ 1.121; n _D ²⁰ 1.560; Reagent for the preparation of methylketones: D. Seebach, E.J. Carey, J. Org. Chem. 40, 231 (1975)	1 lt ≈ 1.12 kg	5 ml 32.- 25 ml 135.-
	Methyl docosanoate (Methyl behenate)			
11940		CH ₃ (CH ₂) ₂₀ COOCH ₃ C ₂₃ H ₄₆ O ₂ M _r 354.62 [929-77-1] puriss. Standard for GC; >99.5%(GC); M.P. 54-55°	5 g 34.-	
	Methyl cis-13-docosanoate (Methyl erucate)			
45659		CH ₃ (CH ₂) ₇ CH:CH(CH ₂) ₁₁ COOCH ₃ C ₂₃ H ₄₄ O ₂ M _r 352.61 [1120-34-9] puriss. Standard for GC; >99%(GC); B.P. _{0.2} 172-175°; d ₄ ²⁰ 0.870; n _D ²⁰ 1.546	1 lt ≈ 0.87 kg	1 ml 22.- 5 ml 90.-
45661		purum >97%(GC); d ₄ ²⁰ 0.87; n _D ²⁰ 1.455	1 lt ≈ 0.87 kg	10 ml 30.- 50 ml 125.-
	Methyl-L-Dopa see 37862 3-(3,4-Dihydroxyphenyl)-2-methyl-L-alanine			
10941	Methyl eicosanoate	puriss. >99%(GC); M.P. 45-47° (Methyl arachidate) CH ₃ (CH ₂) ₁₈ COOCH ₃ C ₂₁ H ₄₂ O ₂ M _r 326.57 [1120-28-1]	1 g 15.-	5 g 63.-
	Methyl elaidate			
45119		CH ₃ (CH ₂) ₇ CH:CH(CH ₂) ₇ COOCH ₃ C ₁₉ H ₃₆ O ₂ M _r 296.50 [2462-84-2] puriss. Standard for GC; >99%(GC); M.P. 9-10°; d ₄ ²⁰ 0.871; n _D ²⁰ 1.451; store in refrigerator	1 lt ≈ 0.87 kg	1 ml 25.- 5 ml 90.-
45120		pract. >95%(GC); M.P. 8-10°; d ₄ ²⁰ 0.87; n _D ²⁰ 1.452; store in refrigerator	1 lt ≈ 0.87 kg	5 ml 24.- 25 ml 100.-
	Methyl enanthate see 75220 Methyl heptanoate			
	Methylene Azure see 11660 Azure B			
	N,N'-Methylenebisacrylamide			
66669	4.1/2a	(CH ₂ :CHCONH) ₂ CH ₂ C ₇ H ₁₀ N ₂ O ₂ M _r 154.17 [110-26-9] puriss. for Gelelectrophoresis	5 g 7.-	25 g 14.- 100 g 50.-
66670		pract.		100 g 11.- 500 g 44.-
	4,4'-Methylenebiscyclohexylamine see 32890 4,4'-Diaminodicyclohexylmethane			
66700	4,4'-Methylenebis(2,6-di-tert-butylphenol)	pract. >98%(N); Antioxidans; M.P. >300° 6.1/22 HOC ₆ H ₂ [C(CH ₃) ₃] ₂ CH ₂ C ₆ H ₂ [C(CH ₃) ₃] ₂ OH C ₂₈ H ₄₄ O ₂ M _r 424.67 [118-82-1]	100 g 11.-	500 g 44.-
	4,4'-Methylenebis(N,N-dimethylaniline) (Arnolds Base; N,N,N',N'-Tetramethyl- 4,4'-diaminodiphenylmethane)			
87800		(CH ₃) ₂ NC ₆ H ₄ CH ₂ C ₆ H ₄ N(CH ₃) ₂ C ₁₇ H ₂₂ N ₂ M _r 254.38 [101-61-1] puriss. >99%(NT); M.P. 87-89°	100 g 20.-	500 g 85.-
87802		pract. >98%(NT); M.P. 83-88°	250 g 13.-	1 kg 45.-
	4,4'-Methylenebis(3-hydroxy-2-naphthoic acid) see 45150 Embonic acid			
	1,1'-Methylenebis(3-methylpiperidine) see 15085 Bis(3-methylpiperidino) methane			

M

			sFr.	sFr.
	2,2'-Methylenebis(3,4,6-trichlorophenol) [Bis(3,5,6-trichloro-2-hydroxyphenyl)methane; 6.1/81g Hexachlorophene] $C_{13}H_6Cl_6O_2$ M_r 406.91 [70-30-4]			
66713	pract. >95%(HPLC); M.P. 161-163°; 1 g clearly soluble in 10 ml Methanol		100 g 14. —	500 g 60. —
	Methylene Blue [C.I. Nr. 52015; Sch. Nr. 1038] 2-(CH ₃) ₂ N $\overline{C}_6$ H ₃ S(Cl):C ₆ H ₃ -7-N(CH ₃) ₂ :N.aq $C_{16}H_{18}ClN_3S.aq$ M_r 319.86 + aq [61-73-4]			
66720	puriss. for Microscopy (Bact., Bot., Hist., Vit.)	25 g 7. —	100 g 16. —	500 g 67. —
66721	Standard Fluka for Microscopy (Bact., Bot., Hist.)	25 g 7. —	100 g 11. —	500 g 44. —
	Methylene bromide see 66730 Dibromomethane			
	α-Methylene-γ-butyrolactone [3-Methylenedihydro-2(3H)-furanone; Tulipane] $C_5H_6O_2$ M_r 98.10 [547-65-9]			
66735	purum >99%(GC); B.P. ₁₂ 86-88°; d_4^{20} 1.119; n_D^{20} 1.473; stab. with 0.5% Di-tert-butyl-p-cresol; Very reactive Michael- acceptor; the α -methylene- γ -butyrolactone ring system exists in many natural products of biological interest	1 lt $\approx$ 1.12 kg	1 ml 12. —	5 ml 50. —
	γ-Methylene-γ-butyrolactone [5-Methylenedihydro-2(3H)-furanone; α' -Angelicalactone] $CH_2:CCH_2CH_2COO$ $C_5H_6O_2$ M_r 98.10 [10008-73-8]			
66737	purum	1 lt $\approx$ 1.10 kg	1 ml 50. —	5 ml 105. —
	Methylene chloride see 66740 Dichloromethane			
36776	Methylene chloride-d₂ puriss. >99.5 Atom% D (Dichloromethane-d ₂) CCl_2D_2 M_r 86.95 [1665-00-5]	1 lt $\approx$ 1.36 kg	1 ml 20. —	5 ml 55. —
	Methylenecyclohexane 3/3 $CH_2(CH_2)_4C:CH_2$ C_7H_{12} M_r 96.17 [1192-37-6]			
66760	purum >98%(GC); B.P. 102-103°; d_4^{20} 0.807; n_D^{20} 1.450	1 lt $\approx$ 0.81 kg	5 ml 50. —	25 ml 210. —
	Methylenecyclopentane 3/1a; 18° $CH_2(CH_2)_3C:CH_2$ C_6H_{10} M_r 82.15 [1528-30-9]			
66763	puriss. >99%(GC); B.P. 75-76°; d_4^{20} 0.780; n_D^{20} 1.436	1 lt $\approx$ 0.78 kg	5 ml 12. —	25 ml 50. —
	Methylenecyclopropane 2/13 $CH_2CH_2C:CH_2$ C_4H_6 M_r 54.09 [6142-73-0]			
66765	puriss. >99%(GC); B.P. 10-12°; store in refrigerator	1 lt $\approx$ 0.80 kg	Ampoules of 5 ml 85. —	
	Methylenediamine dihydrochloride (Diaminomethane dihydrochloride) $CH_2(NH_2)_2 \cdot 2HCl$ $CH_6N_2 \cdot 2HCl$ M_r 118.99 [57166-92-4]			
66770	pract. $\sim$ 95%(Cl); Water $\sim$ 5%		10 g 30. —	50 g 125. —
	4,4'-Methylenedianiline see 32950 4,4'-Diaminodiphenylmethane			
	4,4'-Methylenediantipyrine (Diantipyrylmethane) $CH_2[C:C(CH_3)N(CH_3)N(C_6H_5)CO]_2$ $C_{23}H_{24}N_4O_2$ M_r 388.47 [1251-85-0]			
66772	purum p.a. $\sim$ 97%(NT); H ₂ O $\sim$ 3%; Colorimetric Reagent for Ti		50 g 18. —	250 g 75. —
	S,S'-Methylenedicysteine see 36840 L-Djenkolic acid			
	3-Methylenedihydro-2(3H)-furanone see 66735 α -Methylene- γ -butyrolactone			
	5-Methylenedihydro-2(3H)-furanone see 66737 γ -Methylene- γ -butyrolactone			
66774	3,4-Methylenedioxyaniline pract. >97%(NT); M.P. 40-45°; store in refrigerator 6.1/21 $QCH_2OC_6H_3NH_2$ $C_7H_7NO_2$ M_r 137.14 [14268-66-7]		10 g 13. —	50 g 55. —
	3,4-Methylenedioxybenzaldehyde see 80820 Piperonal			
	1,2-Methylenedioxybenzene (1,3-Benzodioxole) 3/4; 72° $QCH_2OC_6H_4$ $C_7H_6O_2$ M_r 122.13 [274-09-9]			
66780	purum >99%(GC); B.P. 173-175°; d_4^{20} 1.185; n_D^{20} 1.539	1 lt $\approx$ 1.19 kg	50 ml 24. —	
	3,4-Methylenedioxybenzoic acid see 80860 Piperonylic acid			
	3,4-Methylenedioxybenzyl alcohol see 80830 Piperonyl alcohol			
	3,4-Methylenedioxybenzylamine see 80840 Piperonylamine			
	3,4-Methylenedioxcinnamic acid (Piperonylidene acetic acid) $QCH_2OC_6H_3CH:CHCOOH$ $C_{10}H_8O_4$ M_r 192.17 [2373-80-0]			
66820	purum >98%(T); M.P. 241-243°		25 g 24. —	

			sFr.	sFr.
66800	3,4-Methylenedioxy mandelic acid puriss. $\text{OCH}_2\text{OC}_6\text{H}_3\text{CH}(\text{OH})\text{COOH}$ $\text{C}_9\text{H}_8\text{O}_5$ M_r 196.16 [27738-46-1]		1 g 15. —	5 g 63. —
66806	3,4-Methylenedioxynitrobenzene purum (5-Nitro-1,3-benzodioxole) $\text{OCH}_2\text{OC}_6\text{H}_3\text{NO}_2$ $\text{C}_7\text{H}_5\text{NO}_4$ M_r 167.12 [2620-44-2]		5 g 20. —	25 g 85. —
	3,4-Methylenedioxyphenol see 85070 Sesamol			
66810	3,4-Methylenedioxyphenylacetic acid (Homopiperonylic acid) $\text{OCH}_2\text{OC}_6\text{H}_3\text{CH}_2\text{COOH}$ $\text{C}_9\text{H}_8\text{O}_5$ M_r 180.16 [2861-28-1] purum >98% (T); M.P. 127-129°		5 g 32. —	25 g 135. —
80852	(3,4-Methylenedioxyphenyl)-2-propanone (Piperonyl methyl ketone) $\text{OCH}_2\text{OC}_6\text{H}_3\text{CH}_2\text{COCH}_3$ $\text{C}_{10}\text{H}_{10}\text{O}_3$ M_r 178.19 [4676-39-5] pract. ~90-95% (GC); B.P. _{0.1} 120-122°; d_4^{20} 1.195; n_D^{20} 1.540	1 lt ≈ 1.20 kg	25 ml 33. —	10 ml 120. —
	1,2-Methylenedioxy-4-propenylbenzene see 59790 Isosafrole (cis + trans)			
	4,5-Methylenedioxy-2-propylbenzyl diethylene glycol butyl ether see 80850 Piperonyl butoxide			
66850	Methylene dithiocyanate purum (Dithiocyanato methane) 6.1/21 $\text{CH}_2(\text{SCN})_2$ $\text{C}_3\text{H}_2\text{N}_2\text{S}_2$ M_r 130.19 [6317-18-6]		10 g 25. —	50 g 105. —
66870	Methylene Green [C.I. Nr. 52020; Sch. Nr. 1040] 7-(CH_3) ₂ N $\text{C}_6\text{H}_3\text{S}(\text{Cl})$: C_6H_2 -1- NO_2 -2- $\text{N}(\text{CH}_3)_2$: N $\text{C}_{16}\text{H}_{17}\text{ClN}_4\text{O}_2\text{S}$ M_r 364.86 [2679-01-8] Standard Fluka for Microscopy (Hist.)	5 g 8. —	25 26. —	100 g 95. —
66880	Methylene iodide (Diiodomethane) 6.1/62 CH_2I_2 M_r 267.84 [75-11-6] purum >98% (GC); M.P. 5-8°; B.P. ₁₁ 67-69°; d_4^{20} 3.32; stab. with Silver wool; slight yellow colour	1 lt ≈ 3.32 kg	25 ml 21. —	100 ml 75. —
66890	4,5-Methylenepheneanthrene (Cyclopenta[def]phenanthrene) $\text{C}_{15}\text{H}_{10}$ M_r 190.25 [203-64-5] purum ~97% (UV); M.P. 114-116°		250 mg 35. —	1 g 135. —
	Methylenesuccinic acid see 59950 Itaconic acid			
	(1R,2S,8R,11R)-7-Methylene-3,3,11-trimethyltricyclo[6.3.0.0^{2,4}]undecane see 11067 (+)-Aromadendrene			
66893	(-)-N-Methylephedrine [(1R,2S)(-)-2-Dimethylamino-1-phenyl-propanol] $\text{C}_{11}\text{H}_{17}\text{NO}$ M_r 179.26 [552-79-4] purum ~98% (NT); M.P. 85-87°; $[\alpha]_{540}^{20} -35 \pm 2^\circ$; $[\alpha]_D^{20} -30 \pm 2^\circ$ (c = 4.5 in Methanol); Starting material for the preparation of quaternary ephedrinium salts which are useful as chiral phase transfer catalysts and supporting electrolytes: T. Hiyama et al., J. Am. Chem. Soc. 97, 1626 (1975); J. C. Fiaud, THL 3495 (1975); L. Horner, D. Degner, Electrochim. Acta 19, 611 (1974); Reagent (together with LiAlH_4) for the asymmetric reduction of ketones: J. P. Vigneron, I. Jacquet, Tetrahedron 32, 939 (1976); auxiliary reagent for the diastereo-selective hydrogenation of prochiral C = C bonds: L. Horner et al., Liebigs Ann. Chem. 341 (1979)		5 g 21. —	25 g 90. —
	Methyl erucate see 45659 Methyl cis-1,3-docosenoate			
	N-Methylethanolamine see 65630 2-Methylaminoethanol			
	Methyl ether see 38911 Dimethyl ether			
65530	N-Methylethylenediamine (2-Methylaminoethylamine) 8/35; 27° $\text{NH}_2\text{CH}_2\text{CH}_2\text{NHCH}_3$ $\text{C}_3\text{H}_{10}\text{N}_2$ M_r 74.13 [109-81-9] purum >97% (GC); B.P. 114-117°; d_4^{20} 0.848; n_D^{20} 1.441; H_2O 4-7%	1 lt ≈ 0.85 kg	10 ml 28. —	50 ml 120. —
	Methyl ethyl ketone see 04380 2-Butanone			
	Methyl ethyl ketone peroxide see 04390 2-Butanone peroxide			
	Methyl ethyl ketoxime see 04400 2-Butanone oxime			
	Methyl ethylpyruvic acid see 68256 3-Methyl-3-oxopentanoic acid			
66895	Methylfluorone sulfate p.a. $\text{C}_{14}\text{H}_{10}\text{O}_6 \cdot \text{H}_2\text{SO}_4$ M_r 356.31		5 g 20. —	

			sFr.	sFr.
	Methyl fluorosulfonate			
47503	8/11 FSO ₂ OCH ₃ CH ₃ FO ₃ S M _r 114.10 [421-20-5] pract. >95% (T); B.P. ₃₀ 35°; d ₄ ²⁰ 1.424; n _D ²⁰ 1.333; ~5% Dimethylsulfate	1 lt ≈ 1.42 kg	25 ml 23. —	100 ml 85. —
	N-Methylformamide (N-Formylmethylamine) HCONHCH ₃ C ₂ H ₅ NO M _r 59.07 [123-39-7]			
66900	purum >99% (GC); B.P. ₁₀ 83-85°; d ₄ ²⁰ 1.003; n _D ²⁰ 1.432	1 lt ≈ 1.00 kg	250 ml 9. —	1 lt 30. —
	N-Methylformanilide (N-Formyl-N-methylaniline) HCON(CH ₃)C ₆ H ₅ C ₈ H ₉ NO M _r 135.17 [93-61-8]			
66910	pract. B.P. ₁₆ 127-131°; d ₄ ²⁰ 1.096; n _D ²⁰ 1.557	1 lt ≈ 1.10 kg	100 ml 8. —	500 ml 29. —
06550	Methyl formate purum >97% (GC); B.P. 31-32.5°; d ₄ ²⁰ 0.968; n _D ²⁰ 1.344 3/1a; -32° HCOOCH ₃ C ₂ H ₄ O ₂ M _r 60.05 [107-31-3]	1 lt ≈ 0.97 kg	250 ml 7. —	1 lt 12. —
	Methylfumaric acid see 63880 Mesaconic acid			
	5-Methyl-2-furaldehyde (5-Methyl furfural) QC(CH ₃):CHCH:CHO C ₆ H ₆ O ₂ M _r 110.11 [620-02-0]			
66911	pract. >97% (GC); B.P. 187-189°; d ₄ ²⁰ 1.105; n _D ²⁰ 1.530	1 lt ≈ 1.10 kg	25 ml 14. —	100 ml 50. —
85420	2-Methylfuran purum ~99% (GC); B.P. 61-63°; d ₄ ²⁰ 0.916; n _D ²⁰ 1.434 3/1a; -30° QCH:CHCH:CH ₃ C ₅ H ₆ O M _r 82.10 [534-22-5]	1 lt ≈ 0.92 kg	250 ml 9. —	1 lt 30. —
	5-Methylfurfural see 66911 5-Methyl-2-furaldehyde			
48050	Methyl 2-furoate pract. >98% (GC); B.P. 179-182°; d ₄ ²⁰ 1.178; n _D ²⁰ 1.487 3/4; 60° QCH:CHCH:CCOOCH ₃ C ₆ H ₆ O ₃ M _r 126.11 [611-13-2]	1 lt ≈ 1.18 kg	25 ml 13. —	100 ml 45. —
	Methyl gallate (HO) ₃ C ₆ H ₂ COOCH ₃ C ₈ H ₆ O ₅ M _r 184.15 [99-24-1]			
48690	purum >99% (NT); M.P. 200-202°; 1 g clearly soluble in 10 ml Methanol; Antioxidant		50 g 26. —	250 g 110. —
	N-Methyl-D-glucamine HOCH ₂ (CHOH) ₄ CH ₂ NHCH ₃ C ₇ H ₁₇ NO ₅ M _r 195.22 [6284-40-8]			
66930	puriss. M.P. 128-131°; [α] ₅₄₀ ²⁰ -19.5±0.5°; [α] _D ²⁰ -17.5±0.5° (c = 2 in water)		100 g 10. —	500 g 37. —
	Methyl-α-D-glucopyranoside (α-Methyl-D-glucoside) HOCH ₂ CH(CHOH) ₃ CH(OCH ₃)Q C ₇ H ₁₄ O ₆ M _r 194.19 [97-30-3]			
66940	puriss. for Bacteriology; M.P. 165-167°; [α] ₅₄₀ ²⁰ +184±3°; [α] _D ²⁰ +154±3° (c = 10 in water)		100 g 16. —	500 g 67. —
	Methyl-β-D-glucopyranoside (β-Methyl-D-glucoside) HOCH ₂ CH(CHOH) ₃ CH(OCH ₃)Q · ½ H ₂ O C ₇ H ₁₄ O ₆ · ½ H ₂ O M _r 203.19 [709-50-2]			
66950	puriss. CHR; M.P. 107-109°; [α] ₅₄₀ ²⁰ -38.2±0.5°; [α] _D ²⁰ -33.0±0.5° (c = 10 in water)		1 g 18. —	5 g 75. —
	α-Methyl-D-glucoside see 66940 Methyl-α-D-glucopyranoside			
	β-Methyl-D-glucoside see 66950 Methyl-β-D-glucopyranoside			
66980	2-Methylglutaric acid purum >98% (T); M.P. 75-77° HOOCCH ₂ CH ₂ CH(CH ₃)COOH C ₆ H ₁₀ O ₄ M _r 146.14 [617-62-9]		10 g 25. —	50 g 105. —
66990	3-Methylglutaric acid purum >98% (T); M.P. 81-86°; Ash <0.1% CH ₃ CH(CH ₂ COOH) ₂ C ₆ H ₁₀ O ₄ M _r 146.14 [626-51-7]		10 g 16. —	50 g 67. —
67020	2-Methyl glutarodinitrile techn. NCCH(CH ₃)CH ₂ CH ₂ CN C ₆ H ₈ N ₂ M _r 108.14 [4553-62-2]	1 lt ≈ 0.95 kg	1 lt 16. —	
	Methyl glutaryl chloride see 49735 Glutaric acid monomethylester chloride			
	N-Methylglycine see 84530 Sarcosine			
	Methylglycol see 64720 2-Methoxyethanol			
67030	Methylglyoxal techn. 50% in water (Pyruvaldehyde) CH ₃ COCHO C ₃ H ₄ O ₂ M _r 72.06 [78-98-8]	1 lt ≈ 1.21 kg	100 ml 20. —	500 ml 85. —
	Methylglyoxal dimethyl acetal (1,1-Dimethoxyacetone; Pyruvaldehyde-1-dimethylacetal) 3/3; 26° CH ₃ COCH(OCH ₃) ₂ C ₅ H ₁₀ O ₃ M _r 118.13 [6342-56-9]			
67035	pract. >98% (GC); B.P. 143-147° (Lit.); d ₄ ²⁰ 0.998; n _D ²⁰ 1.399	1 lt ≈ 1.00 kg	100 ml 15. —	500 ml 63. —

		sFr.	sFr.
	Methylglyoxalidine see 62820 Lysidine		
	2-Methylglyoxaline see 67570 2-Methylimidazole		
	Methyl Green [C.I. Nr. 42585; Sch. Nr. 788] 4-(CH ₃) ₂ NC ₆ H ₄ C[C ₆ H ₄ -4-N(Cl)(CH ₃) ₃]:C ₆ H ₄ :N(Cl)(CH ₃) ₃ C ₂₆ H ₃₃ Cl ₂ N ₃ M _r 458.48 [82-94-0]		
67060	Standard Fluka for Microscopy (Bact., Bot., Hist.)	10 g 20. —	50 g 85. —
	1-Methylguanine (2-Amino-6-hydroxy-1-methylpurine) C ₆ H ₇ N ₅ O M _r 156.16 [938-85-2]		
67070	purum ~97%(HPLC); ~3% Guanine	250 mg 26. —	1 g 95. —
	3-Methylguanine (2-Amino-6-hydroxy-3-methylpurine) C ₆ H ₇ N ₅ O M _r 165.16 [2958-98-7]		
67072	purum >97%(N); M.P. >300°	250 mg 26. —	1 g 95. —
	7-Methylguanine (2-Amino-6-hydroxy-7-methylpurine; Epiguanine) C ₆ H ₇ N ₅ O M _r 165.16 [578-76-7]		
67073	purum >98%(HPLC); <1% Guanine	250 mg 26. —	1 g 95. —
	9-Methylguanine (2-Amino-6-hydroxy-9-methylpurine) C ₆ H ₇ N ₅ O M _r 165.16 [5502-78-3]		
67074	purum >98%(HPLC); M.P. >300°; <1% Guanine	250 mg 26. —	1 g 95. —
51640	Methyl heptadecanoate purum CH ₃ (CH ₂) ₁₆ COOCH ₃ C ₁₈ H ₃₆ O ₂ M _r 284.49 [1731-92-6]	10 g 32. —	50 g 135. —
	Methyl trans,cis-2,5-heptadienoate 3/4; 58° CH ₃ CH:CHCH ₂ CH:CHCOOCH ₃ C ₈ H ₁₂ O ₂ M _r 140.18 [32793-93-4]		
52480	purum >97%(GC); B.P. 191-194°; d ₄ ²⁰ 0.946; n _D ²⁰ 1.462	1 lt ≈ 0.95 kg	5 ml 20. — 25 ml 85. —
67120	2-Methylheptane purum ~97%(GC); B.P. 116-119°; d ₄ ²⁰ 0.698; n _D ²⁰ 1.396 3/1a; -23° CH ₃ (CH ₂) ₄ CH(CH ₃) ₂ C ₈ H ₁₈ M _r 114.23 [592-27-8]	1 lt ≈ 0.70 kg	5 ml 24. — 25 ml 100. —
67130	3-Methylheptane purum >98%(GC); B.P. 114-117°; d ₄ ²⁰ 0.704; n _D ²⁰ 1.398 3/1a; -23° CH ₃ (CH ₂) ₃ CH(CH ₃)CH ₂ CH ₃ C ₈ H ₁₈ M _r 114.23 [589-81-1]	1 lt ≈ 0.70 kg	10 ml 18. — 50 ml 75. —
67140	4-Methylheptane purum >99%(GC); B.P. 114-117°; d ₄ ²⁰ 0.704; n _D ²⁰ 1.398 3/1a; -23° (CH ₃ CH ₂ CH ₂) ₂ CHCH ₃ C ₈ H ₁₈ M _r 114.23 [589-53-7]	1 lt ≈ 0.70 kg	5 ml 26. — 25 ml 110. —
67151	6-Methyl-2,4-heptanedione purum ~99%(GC); d ₄ ²⁰ 0.919; n _D ²⁰ 1.456 CH ₃ CH(CH ₃)CH ₂ COCH ₂ COCH ₃ C ₈ H ₁₄ O ₂ M _r 142.20 [3002-23-1]	1 lt ≈ 0.92 kg	10 ml 40. —
	Methyl heptanoate (Methyl enanthate) 3/3; 55° CH ₃ (CH ₂) ₆ COOCH ₃ C ₈ H ₁₆ O ₂ M _r 144.22 [106-73-0]		
75220	puriss. >99%(GC); B.P. ₁₀ 60-62°; d ₄ ²⁰ 0.881; n _D ²⁰ 1.412	1 lt ≈ 0.88 kg	100 ml 16. — 500 ml 67. —
67170	2-Methyl-3-heptanol purum >98%(GC) (Butyl isopropyl carbinol) 3/4; 57° CH ₃ (CH ₂) ₃ CH(OH)CH(CH ₃) ₂ C ₈ H ₁₈ O M _r 130.23 [18720-62-2]	1 lt ≈ 0.82 kg	10 ml 15. — 50 ml 63. —
	5-Methyl-3-heptanol ("Ethyl amyl carbinol") 3/4; 57° CH ₃ CH ₂ CH(CH ₃)CH ₂ CH(OH)CH ₂ CH ₃ C ₈ H ₁₈ O M _r 130.23 [18720-65-5]		
67230	purum >97%(GC); B.P. 160-163°; d ₄ ²⁰ 0.826	1 lt ≈ 0.83 kg	100 ml 24. —
67240	6-Methyl-2-heptanol pract. >97%(GC); B.P. 170-174°; d ₄ ²⁰ 0.816; n _D ²⁰ 1.423 3/4; 61° (CH ₃) ₂ CH(CH ₂) ₃ CH(OH)CH ₃ C ₈ H ₁₈ O M _r 130.23 [4730-22-7]	1 lt ≈ 0.82 kg	25 ml 12. — 100 ml 40. —
67250	3-Methyl-2-heptanone techn. 3/3; 50° CH ₃ (CH ₂) ₃ CH(CH ₃)COCH ₃ C ₈ H ₁₆ O M _r 128.22 [2371-19-9]	1 lt ≈ 0.82 kg	100 ml 14. — 500 ml 60. —
	5-Methyl-3-heptanone ("Ethyl isoamyl ketone") 3/3; 42° CH ₃ CH ₂ CH(CH ₃)CH ₂ COCH ₂ CH ₃ C ₈ H ₁₆ O M _r 128.22 [541-85-5]		
67260	purum >99%(GC); B.P. 157-160°; d ₄ ²⁰ 0.821; n _D ²⁰ 1.415	1 lt ≈ 0.82 kg	250 ml 7. — 1 lt 18. —
	2-Methyl-1-heptene 3/1a; 10° CH ₃ (CH ₂) ₄ C(CH ₃):CH ₂ C ₈ H ₁₆ M _r 112.22 [15870-10-7]		
67270	purum >99%(GC); B.P. 120-122°; d ₄ ²⁰ 0.721; n _D ²⁰ 1.412	1 lt ≈ 0.72 kg	5 ml 29. — 25 ml 120. —
	2-Methyl-2-heptene 3/1a; 12° CH ₃ (CH ₂) ₃ CH:C(CH ₃) ₂ C ₈ H ₁₆ M _r 112.22 [627-97-4]		
67280	purum >99%(GC); B.P. 118-120°; d ₄ ²⁰ 0.726; n _D ²⁰ 1.417	1 lt ≈ 0.73 kg	5 ml 44. — 25 ml 185. —
67290	trans-2-Methyl-3-heptene purum >99%(GC); d ₄ ²⁰ 0.706; n _D ²⁰ 1.407 3/1a; 17° CH ₃ CH ₂ CH ₂ CH:CHCH(CH ₃) ₂ C ₈ H ₁₆ M _r 112.22 [692-96-6]	1 lt ≈ 0.71 kg	5 ml 29. — 25 ml 120. —

				sFr.	sFr.
6-Methyl-5-hepten-2-one					
67320	3/3; 55°	(CH ₃) ₂ C:CHCH ₂ CH ₂ COCH ₃ C ₈ H ₁₄ O M _r 126.20 [110-93-0] purum ~98%(GC); B.P. ₁₀ 55-58°; d ₄ ²⁰ 0.852; n _D ²⁰ 1.439	1 lt ≈ 0.85 kg	100 ml 10. —	500 ml 42. —
1-Methylheptylamine see 09040 2-Aminooctane					
"6-Methyl-2-heptylamine" see 08470 2-Amino-6-methylheptane					
2-Methyl-1,5-hexadiene					
67330	3/1a; -12°	CH ₂ :CHCH ₂ CH ₂ C(CH ₃):CH ₂ C ₇ H ₁₂ M _r 96.17 [4049-81-4] purum >98%(GC); B.P. 93° (Lit.); d ₄ ²⁰ 0.721; n _D ²⁰ 1.418	1 lt ≈ 0.72 kg	5 ml 29. —	25 ml 120. —
"Methylhexaline" see 66370 Methylcyclohexanol					
2-Methylhexane (Isoheptane)					
67360	3/1a; -1°	CH ₃ (CH ₂) ₃ CH(CH ₃) ₂ C ₇ H ₁₆ M _r 100.21 [591-76-4] purum ~99%(GC); B.P. 88-90°; d ₄ ²⁰ 0.678; n _D ²⁰ 1.385	1 lt ≈ 0.68 kg	5 ml 18. —	25 ml 75. —
67370	3/1a; -1°	CH ₃ CH ₂ CH ₂ CH(CH ₃)CH ₂ CH ₃ C ₇ H ₁₆ M _r 100.21 [589-34-4] purum ~99%(GC); d ₄ ²⁰ 0.686; n _D ²⁰ 1.389	1 lt ≈ 0.69 kg	5 ml 18. —	25 ml 75. —
Methyl hexanoate see 21599 Methyl caproate					
2-Methylhexanoic acid (2-Methylcaproic acid)					
67435	3/4; 57°	CH ₃ (CH ₂) ₃ CH(CH ₃)COOH C ₇ H ₁₄ O ₂ M _r 130.19 [4536-23-6] purum >97%(GC); B.P. 210-212°; d ₄ ²⁰ 1.101; n _D ²⁰ 1.421	1 lt ≈ 1.10 kg	5 ml 20. —	25 ml 85. —
2-Methyl-2-hexanol (Butyl dimethyl carbinol)					
67380	3/3; 49°	CH ₃ (CH ₂) ₃ C(CH ₃) ₂ OH C ₇ H ₁₆ O M _r 116.20 [625-23-0] purum >97%(GC); B.P. 139-140° (Lit.); d ₄ ²⁰ 0.812; n _D ²⁰ 1.417	1 lt ≈ 0.81 kg	10 ml 22. —	50 ml 90. —
3-Methyl-2-hexanol (1,2-Dimethylpentyl alcohol)					
67400	3/3; 53°	CH ₃ CH ₂ CH ₂ CH(CH ₃)CH(OH)CH ₃ C ₇ H ₁₆ O M _r 116.20 [2313-65-7] purum >98%(GC); B.P. 79-81° (Lit.); d ₄ ²⁰ 0.828; n _D ²⁰ 1.424; Mixture of Diastereoisomers	1 lt ≈ 0.83 kg	10 ml 25. —	50 ml 105. —
5-Methyl-2-hexanone (Isobutylacetone; Isopentyl methyl ketone)					
59140	3/3; 40°	(CH ₃) ₂ CHCH ₂ CH ₂ COCH ₃ C ₇ H ₁₄ O M _r 114.19 [110-12-3] purum >98%(GC); B.P. 144° (Lit.); d ₄ ²⁰ 0.811; n _D ²⁰ 1.407	1 lt ≈ 0.81 kg	1 lt 16. —	
5-Methyl-3-hexanone (Ethyl isobutyl ketone)					
04180	3/3; 28°	(CH ₃) ₂ CHCH ₂ COC ₂ H ₅ C ₇ H ₁₄ O M _r 114.19 [623-56-3] pract. ~95%(GC); B.P. 132-136°; d ₄ ²⁰ 0.809; n _D ²⁰ 1.405	1 lt ≈ 0.81 kg	10 ml 13. —	50 ml 55. —
2-Methyl-1-hexene					
67440	3/1a; -8°	CH ₃ (CH ₂) ₃ C(CH ₃):CH ₂ C ₇ H ₁₄ M _r 98.19 [6094-02-6] purum >99%(GC); B.P. 89-91°; d ₄ ²⁰ 0.704; n _D ²⁰ 1.404	1 lt ≈ 0.70 kg	5 ml 26. —	25 ml 110. —
2-Methyl-2-hexene					
67450	3/1a; -12°	CH ₃ CH ₂ CH ₂ CH:C(CH ₃) ₂ C ₇ H ₁₄ M _r 98.19 [2738-19-4] purum >99%(GC); B.P. 94-96°; d ₄ ²⁰ 0.708; n _D ²⁰ 1.410	1 lt ≈ 0.71 kg	5 ml 26. —	25 ml 110. —
trans-2-Methyl-3-hexene					
67460	3/1a; -12°	CH ₃ CH ₂ CH:CHCH(CH ₃) ₂ C ₇ H ₁₄ M _r 98.19 [692-24-0] purum >99%(GC); B.P. 84-87° (Lit.); d ₄ ²⁰ 0.690; n _D ²⁰ 1.400	1 lt ≈ 0.69 kg	5 ml 26. —	25 ml 110. —
67470	3/1a; -18°	CH ₃ CH ₂ CH ₂ CH(CH ₃)CH:CH ₂ C ₇ H ₁₄ M _r 98.19 [3404-61-3] purum >99%(GC); B.P. 83-84°; d ₄ ²⁰ 0.692; n _D ²⁰ 1.396	1 lt ≈ 0.69 kg	5 ml 26. —	25 ml 110. —
67500	3/1a; -10°	CH ₃ CH ₂ CH(CH ₃)CH ₂ CH:CH ₂ C ₇ H ₁₄ M _r 98.19 [3769-23-1] purum >99%(GC); B.P. 86-88°; d ₄ ²⁰ 0.700; n _D ²⁰ 1.401	1 lt ≈ 0.70 kg	5 ml 21. —	25 ml 90. —
67510	3/1a; -10°	(CH ₃) ₂ CHCH ₂ CH ₂ CH:CH ₂ C ₇ H ₁₄ M _r 98.19 [3524-73-0] purum >99%(GC); B.P. 84-85°; d ₄ ²⁰ 0.693; n _D ²⁰ 1.396	1 lt ≈ 0.69 kg	5 ml 24. —	25 ml 100. —
N-Methylhexylamine see 53211 N-Hexylmethylamine					
Methylhydrazine					
67540	3/5; 14°	CH ₃ NHNH ₂ CH ₆ N ₂ M _r 46.07 [60-34-4] purum >98%(GC); B.P. 88-90°; d ₄ ²⁰ 0.875; n _D ²⁰ 1.434	1 lt ≈ 0.88 kg	50 ml 15. —	250 ml 63. — 1 lt 225. —
Methylhydrogen siloxan polymer see 81330 Polymethylhydrosiloxane					
Methylhydroquinone see 89600 Toluhydroquinone					

				sFr.	sFr.
54740	Methyl 3-hydroxybenzoate purum >99%(NT); M.P. 70-72° HOC ₆ H ₄ COOCH ₃ C ₈ H ₈ O ₃ M _r 152.15 [19438-10-9]			25 g 26. —	100 g 95. —
54750	Methyl 4-hydroxybenzoate purum Ph. Helv.; >98%(NT); M.P. 124-127°; Ash <0.05% HOC ₆ H ₄ COOCH ₃ C ₈ H ₈ O ₃ M _r 152.15 [99-76-3]			100 g 7. —	500 g 24. —
	Methyl α-hydroxyisobutyrate (CH ₃) ₂ C(OH)COOCH ₃ C ₆ H ₁₀ O ₃ M _r 118.13 [2110-78-3]				
55410	purum >98%(GC); B.P. 137° (Lit.); d ₄ ²⁰ 1.023; n _D ²⁰ 1.416	1 lt ≈ 1.02 kg		50 ml 13. —	250 ml 55. —
	N-Methylhydroxylamine hydrochloride CH ₃ NHOH.HCl CH ₅ NO.HCl M _r 83.52 [4229-44-1]				
67545	purum >98%(Cl); M.P. 82-84°; very hygroscopic; 1 g clearly and colourless soluble in 10 ml water			10 g 22. —	50 g 90. —
	O-Methylhydroxylamine hydrochloride (Methoxyamine hydrochloride) CH ₃ ONH ₂ .HCl CH ₅ NO.HCl M _r 83.52 [593-56-6]				
67546	purum >98%(Cl); M.P. 151-152°; Reagent for the protection of the keto group in 1,4-diene-3-one systems: E. C. Horning et al., <i>Analyt. Biochem.</i> 22, 284 (1968); reagent for the derivatization of keto-groups of steroids for the detection by GC: K. Blau, G. S. King, "Handbook of Derivatives for Chromatography", Heyden & Son Ltd., London (1977)			5 g 25. —	25 g 110. —
	Methyl β-hydroxynaphthoate (Methyl 3-hydroxy-2-naphthoate) HOC ₁₀ H ₆ COOCH ₃ C ₁₂ H ₁₀ O ₃ M _r 202.21 [947-65-9]				
55960	pract. >99%(UV); M.P. 72-74°			100 g 35. —	
	3-Methyl-5-(1-hydroxy-4-oxo-2,6,6-trimethyl-2-cyclohexenyl)-2,4-pentadienoic acid see 00015 Absciscic acid				
67560	1-Methylimidazole purum >99%(GC); B.P. 195-199°; d ₄ ²⁰ 1.033; n _D ²⁰ 1.495 8/32 CH ₃ NCH:NCH:CH C ₄ H ₆ N ₂ M _r 82.11 [616-47-7]	1 lt ≈ 1.03 kg		100 ml 15. —	500 ml 63. —
67570	2-Methylimidazole purum >98%(NT); M.P. 137-141° (2-Methylglyoxaline) 8/32 HNCH:CHN:CHCH ₃ C ₄ H ₆ N ₂ M _r 82.11 [693-98-1]			100 g 18. —	500 g 75. —
67580	4(5)-Methylimidazole purum M.P. 44-47° CH ₃ CH:CHN:CHNH C ₄ H ₆ N ₂ M _r 82.11 [822-36-6]			100 g 22. —	500 g 90. —
	1-Methyl-2-imidazolethiol see 63670 2-Mercapto-1-methylimidazole				
	2-Methyl-2-imidazoline see 62820 Lysidine				
	2,2'-Methyliminodiethanol see 66610 N-Methyldiethanolamine				
67590	N-Methylindole purum >97%(GC); B.P. 236-239°; d ₄ ²⁰ 1.051; n _D ²⁰ 1.606 C ₉ H ₇ N(CH ₃)CH:CH C ₉ H ₉ N M _r 131.18 [603-76-9]			5 g 26. —	
67600	2-Methylindole (α) purum ~98%(GC); M.P. 57-59° C ₉ H ₇ NHC(CH ₃):CH C ₉ H ₉ N M _r 131.18 [95-20-5]			100 g 25. —	500 g 105. —
	3-Methylindole (Skatole) C ₉ H ₇ NHCH:CHCH ₃ C ₉ H ₉ N M _r 131.18 [83-34-1]				
85460	purum >99%(GC); M.P. 95-97°; 1 g clearly soluble in 10 ml Methanol			10 g 14. —	50 g 60. —
	Methyl 3-indolylacetate C ₉ H ₇ NHCH:CHCH ₂ COOCH ₃ C ₁₁ H ₁₁ NO ₂ M _r 189.22 [1912-33-0]				
57350	purum >99%(GC); M.P. 50-52°; B.P. _{0.5} 160-163°; 1 g clearly soluble in 10 ml Methanol; store in refrigerator			1 g 13. —	5 g 55. —
	Methyl iodide see 67690 Iodomethane				
	Methyl iodide-d₃ (Iodomethane-d ₃ ; Trideuteromethyl iodide) 6.1/12 CD ₃ I M _r 144.96 [865-50-9]				
91650	purum >99 Atom% D; <0.1 H ₂ O + D ₂ O	1 lt ≈ 2.30 kg		5 ml 125. —	
58440	Methyl isobutyrate puriss. >99%(GC); B.P. 91-93°; d ₄ ²⁰ 0.891; n _D ²⁰ 1.384 3/1a; 12° (CH ₃) ₂ CHCOOCH ₃ C ₆ H ₁₀ O ₂ M _r 102.14 [547-63-7]	1 lt ≈ 0.89 kg		100 ml 13. —	500 ml 55. —
	Methyl isocyanate 6.1/2; -6° CH ₃ NCO C ₂ H ₃ NO M _r 57.05 [624-83-9]				
67710	purum >98%(GC); B.P. 36-38°; d ₄ ²⁰ 0.960; n _D ²⁰ 1.370; store in refrigerator	1 lt ≈ 0.96 kg		100 ml 18. —	500 ml 75. —

				sFr.	sFr.
Methyl isonicotinate					
	$\text{N:CHCH:C(COOCH}_3\text{)CH:C}\text{H}$ $\text{C}_7\text{H}_7\text{NO}_2$ M_r 137.14 [2459-09-8]				
58990	purum >99%(GC); M.P. 12-16°; B.P. _{0.1} 68-70°; d_4^{20} 1.160; n_D^{20} 1.514		1 lt $\approx$ 1.16 kg	100 ml 20. —	500 ml 85. —
Methyl isothiocyanate					
	6.1/2b CH_3NCS $\text{C}_2\text{H}_3\text{NS}$ M_r 73.12 [556-61-6]				
67719	for sequential analysis >99%(GC); M.P. 35-36°			5 g 12. —	
67720	purum >98%(GC); M.P. 33-36°; B.P. 118-120°; store in refrigerator			50 g 15. —	250 g 50. —
S-Methylisothiurea sulfate					
	$[\text{HN:C(NH}_2\text{)SCH}_3\text{)]}_2\text{.H}_2\text{SO}_4$ $\text{C}_4\text{H}_{12}\text{N}_4\text{S}_2\text{.H}_2\text{SO}_4$ M_r 278.38 [867-44-7]				
67730	purum >98%(NT); M.P. $\sim$ 245° dec.; 1 g clearly and colourless soluble in 10 ml water; For the guanidination of free amino groups: E. Schütte, Z. Physiol. Chem. 279, 52, 59 (1943); W. L. Hughes jr., H. A. Saroff and A. L. Carney, J. Am. Chem. Soc. 71, 2476 (1949)			100 g 9. —	500 g 26. —
O-Methylisourea hydrogen sulfate (OMI; 2-Methylpseudourea sulfate)					
	$\text{NH:C(NH}_2\text{)OCH}_3\text{.H}_2\text{SO}_4$ $\text{C}_2\text{H}_6\text{N}_2\text{.H}_2\text{O}_4\text{S}$ M_r 172.16 [29427-58-5]				
67714	purum >99%(T); M.P. 117-118°; For the methylation of thiol groups in proteins: T. E. Banks, I. A. Shater, Biochemistry 11, 110 (1972); a group specific reagent for the guanidination of free amino groups: J. R. Kimmel, Methods in Enzymology, Vol. XI, 584-589 (1967)			100 g 10. —	500 g 40. —
59900	Methyl isovalerate purum >98%(GC); B.P. 115-117°; d_4^{20} 0.880; n_D^{20} 1.393 3/1a; 16° $(\text{CH}_3)_2\text{CHCH}_2\text{COOCH}_3$ $\text{C}_6\text{H}_{12}\text{O}_2$ M_r 116.16 [556-24-1]		1 lt $\approx$ 0.88 kg	100 ml 14. —	500 ml 60. —
67737	3-Methylisoxazol-5(4H)-one purum $\text{QCOCH}_2\text{C(CH}_3\text{):N}$ $\text{C}_4\text{H}_5\text{NO}_2$ M_r 99.09 [1517-96-0]		1 lt $\approx$ 1.00 kg	5 ml 28. —	25 ml 120. —
67736	5-Methylisoxazole purum $\sim$ 97%(GC); B.P. 120-122°; d_4^{20} 1.021; n_D^{20} 1.438 3/3; 28° QN:CHCH:CCH_3 $\text{C}_4\text{H}_5\text{NO}$ M_r 83.09 [5765-44-6]		1 lt $\approx$ 1.02 kg	100 ml 22. —	500 ml 90. —
69822	Methyl DL-lactate purum >98%(GC); B.P. ₁₉ 58° (Lit.); d_4^{20} 1.090; n_D^{20} 1.413 $\text{CH}_3\text{CH(OH)COOCH}_3$ $\text{C}_4\text{H}_8\text{O}_3$ M_r 104.11 [547-64-8]		1 lt $\approx$ 1.09 kg	5 g 16. —	25 g 67. —
Methyl laurate					
	$\text{CH}_3(\text{CH}_2)_{10}\text{COOCH}_3$ $\text{C}_{13}\text{H}_{26}\text{O}_2$ M_r 214.35 [111-82-0]				
61689	puriss. Standard for GC; >99.5%(GC); M.P. 4.5-5°; B.P. 261-262° (Lit.); d_4^{20} 0.869; n_D^{20} 1.431		1 lt $\approx$ 0.87 kg	5 ml 21. —	
61700	purum >97%(GC); M.P. 3-6°; d_4^{20} 0.866		1 lt $\approx$ 0.87 kg	250 ml 8. —	1 lt 25. —
O-Methyl-L-α-lecithin hydroxide (1,2-Dipalmitoyl-sn-glycero-3-O-methylphosphorylcholine hydroxide)					
	$\text{C}_{41}\text{H}_{84}\text{NO}_9\text{P}$ M_r 766.09 [55004-50-7]				
67738	purum M.P. 221-222°; $[\alpha]_{546}^{20} + 4.8 \pm 0.2^\circ$ (c = 10 in Chlf./Methanol 9:1)			250 mg 55. —	1 g 200. —
Methyl linoleate					
	$\text{CH}_3(\text{CH}_2)_3(\text{CH}_2\text{CH:CH})_2(\text{CH}_2)_7\text{COOCH}_3$ $\text{C}_{19}\text{H}_{34}\text{O}_2$ M_r 294.48 [112-63-0]				
62280	puriss. Standard for GC; $\sim$ 99%(GC); B.P. ₁₁ 207-208° (Lit.); d_4^{20} 0.887; n_D^{20} 1.466; store in refrigerator		1 lt $\approx$ 0.89 kg	5 ml 34. —	
62290	purum natural >97%(GC); d_4^{20} 0.887; n_D^{20} 1.462; store in refrigerator		1 lt $\approx$ 0.89 kg	10 ml 30. —	50 ml 125. —
Methyl linolenate					
	$\text{CH}_3(\text{CH}_2\text{CH:CH})_3(\text{CH}_2)_7\text{COOCH}_3$ $\text{C}_{19}\text{H}_{32}\text{O}_2$ M_r 292.47 [7361-80-0]				
62200	puriss. Standard for GC; >99%(GC); B.P. ₁₄ 207° (Lit.); d_4^{20} 0.900; n_D^{20} 1.471; store in refrigerator		1 lt $\approx$ 0.90 kg	1 ml 18. —	5 ml 75. —
62210	techn. 70-80%(GC); d_4^{20} 0.894; n_D^{20} 1.469; store in refrigerator		1 lt $\approx$ 0.89 kg	10 ml 20. —	50 ml 85. —
Methylithium (Lithium methanide)					
	3/1a CH_3Li M_r 21.97 [917-54-4]				
67740	$\sim$ 1.6 m ($\sim$ 5%); Solution in Diethyl ether; store in refrigerator		1 lt $\approx$ 0.91 kg	100 ml 45. —	
Methylmaleic acid see 27420 Citraconic acid					
2-Methylmalic acid Dipotassium salt see 27455 ($\pm$)-Citramalic acid					
mono-Methyl malonate Potassium salt (Potassium monomethylmalonate)					
	$\text{CH}_3\text{OCOCH}_2\text{COOK}$ $\text{C}_4\text{H}_5\text{KO}_4$ M_r 156.18 [38330-80-2]				
63405	purum >99%(NT)			50 g 34. —	250 g 145. —

				sFr.	sFr.
67750	Methylmalonic acid purum >99%(T); M.P. 129-132° <chem>CH3CH(COOH)2</chem> <chem>C4H6O4</chem> M_r 118.09 [516-05-2]			10 g 32. —	50 g 135. —
	Methyl malonyl chloride 8/22 <chem>CH3OCOCH2COCl</chem> <chem>C4H5ClO3</chem> M_r 136.54				
63406	purum >98%(Cl); B.P. ₁₂ 58°; d_4^{20} 1.272; n_D^{20} 1.432; store in refrigerator		1 lt ≈ 1.27 kg	10 ml 35. —	50 ml 145. —
	Methyl DL-mandelate <chem>C6H5CH(OH)COOCH3</chem> <chem>C9H10O3</chem> M_r 166.18 [4358-87-2]				
63520	purum >98%(GC); M.P. 54-56°; 1 g clearly soluble in 10 ml Methanol			100 g 22. —	500 g 90. —
	O-Methylmandelic acid see 65210 and 65212 (I)- and R(—)- α -Methoxyphenylacetic acid				
	Methyl-α-D-mannoside <chem>HOCH2CH(CHOH)3CH(OCH3)O</chem> <chem>C7H14O6</chem> M_r 194.19 [617-04-9]				
67770	puriss. for Bacteriology; M.P. 192-195°; $[\alpha]_{D}^{20} + 93 \pm 2^\circ$; $[\alpha]_D^{20} + 79 \pm 2^\circ$ (c = 10 in water); Ash <0.1%; 1 g clearly soluble in 10 ml water			25 g 13. —	100 g 45. —
	Methyl Meldrum acid see 67765 2,2,5-Trimethyl-1,3-dioxane-4,6-dione				
	Methylmercaptan see 67778 Methanethiol				
	(Methylmercapto)acetic acid see 69330 (Methylthio)acetic acid				
	3-(Methylmercapto)aniline (3-Aminophenyl methyl sulfide; 3-Aminothioanisole) 6.1/21 <chem>CH3SC6H4NH2</chem> <chem>C7H9NS</chem> M_r 139.22 [1783-81-9]				
67789	pract. >98%(GC); B.P. ₁₆ 163-165° (Lit.); d_4^{20} 1.147; n_D^{20} 1.641	1 lt ≈ 1.15 kg	50 ml 29. —	250 ml 120. —	
	2-Methylmercaptoethanol see 54400 2-Methylthioethanol				
67815	4-(Methylmercapto)phenol purum >97%(NT); M.P. 82-84° 6.1/22 <chem>CH3SC6H4OH</chem> <chem>C7H9OS</chem> M_r 140.20 [1073-72-9]		50 g 12. —	250 g 50. —	
	3-(Methylmercapto)propionaldehyde 6.1/81a <chem>CH3SCH2CH2CHO</chem> <chem>C4H9OS</chem> M_r 104.17 [3268-49-3]				
67818	pract. ~95%(GC); d_4^{20} 1.052; n_D^{20} 1.486	1 lt ≈ 1.05 kg	10 ml 28. —	50 ml 120. —	
	2-(Methylmercapto)-2-thiazoline <chem>CH3SCHN:CHSCH2</chem> <chem>C4H7NS2</chem> M_r 133.24 [19975-56-5]				
67830	purum >97%(GC); B.P. 214-217°; d_4^{20} 1.231; n_D^{20} 1.592; Review: K. Hirai, Y. Kishida, Heterocycles 2, 185 (1974)	1 lt ≈ 1.23 kg	10 ml 18. —	50 ml 75. —	
	Methyl methacrylate 3/1a; 9° <chem>CH2C:(CH3)COOCH3</chem> <chem>C5H8O2</chem> M_r 100.12 [80-62-6]				
64200	purum >99%(GC); B.P. 98-100°; d_4^{20} 0.943; n_D^{20} 1.414; stab. with 0.005% Hydroquinone	1 lt ≈ 0.94 kg	1 lt 16. —	2.5 lt 35. —	
64980	Methyl methoxyacetate purum >99%(GC); d_4^{20} 1.050; n_D^{20} 1.397 3/3; 42° <chem>CH3OCH2COOCH3</chem> <chem>C4H8O3</chem> M_r 104.11 [6290-49-9]	1 lt ≈ 1.05 kg	100 ml 18. —	500 ml 75. —	
67845	9-Methyl-2-methylamino-6(1H)-purinone purum (N ² ,9-Dimethylguanine) <chem>C7H9N5O</chem> M_r 179.18		250 mg 21. —	1 g 75. —	
	Methyl N-methylantranilate <chem>CH3NHC6H4COOCH3</chem> <chem>C9H11NO2</chem> M_r 165.19 [85-91-6]				
65820	pract. ~98%(GC); M.P. 17-19°; B.P. ₁₃ 130-131° (Lit.); d_4^{20} 1.124; n_D^{20} 1.580	1 lt ≈ 1.12 kg	100 ml 30. —	500 ml 125. —	
	Methyl 2-methylbutyrate 3/1a; 18° <chem>CH3CH2CH(CH3)COOCH3</chem> <chem>C6H12O2</chem> M_r 116.16 [868-57-5]				
66138	purum >98%(GC); B.P. 113-115°; d_4^{20} 0.885; n_D^{20} 1.394	1 lt ≈ 0.89 kg	25 ml 24. —	100 ml 90. —	
	2-Methyl-6-methylene-7-octane-4-ol see 58185 Ipsenol				
	Methyl methylmercaptomethyl sulfoxide see 67865 Methyl methylthiomethyl sulfoxide				
	Methyl 3-(methylmercapto)propionate 3/4 <chem>CH3SCH2CH2COOCH3</chem> <chem>C5H10O2S</chem> M_r 134.20 [13532-18-8]				
67822	purum >98%(GC); B.P. 184-189°; d_4^{20} 1.073; n_D^{20} 1.465	1 lt ≈ 1.07 kg	50 ml 37. —	250 ml 155. —	
	Methyl methylsulfinylmethyl sulfide see 67865 Methyl methylthiomethyl sulfoxide				

				sFr.	sFr.
	Methyl methylthiomethyl sulfoxide (Formaldehyde dimethylmercaptal-S-oxide; 6.1/81a Methyl methylmercaptomethyl sulfoxide; Methyl methylsulfinylmethyl sulfide) $\text{CH}_3\text{SOCH}_2\text{SCH}_3$ $\text{C}_3\text{H}_8\text{OS}_2$ M_r 124.22 [33577-16-1]				
67865	purum ~99% (GC); B.P. 222-226°; d_4^{20} 1.220; n_D^{20} 1.553	1 lt ≈ 1.22 kg	10 ml 25. —	50 ml 105. —	
	4-Methylmorpholine 3/3; 28° $\text{CH}_3\text{NCH}_2\text{CH}_2\text{OCH}_2\text{CH}_3$ $\text{C}_5\text{H}_{11}\text{NO}$ M_r 101.15 [109-02-4]				
67869	for sequential analysis	1 lt ≈ 0.92 kg	100 ml 20. —		
67870	purum >98% (GC); M.P. 113-116°; d_4^{20} 0.918; n_D^{20} 1.434	1 lt ≈ 0.92 kg	250 ml 13. —	1 lt 45. —	
	4-Methylmorpholine-4-oxide Monohydrate $\text{CH}_2\text{CH}_2\text{OCH}_2\text{CH}_2\text{NO}(\text{CH}_3) \cdot \text{H}_2\text{O}$ $\text{C}_5\text{H}_{11}\text{NO}_2 \cdot \text{H}_2\text{O}$ M_r 135.16 [7529-22-8]				
67873	purum ~97% (N); M.P. 71-73°; Reagent for an improved catalytic OsO_4 oxidation of olefins to cis-1,2-diols: V. Van Rhee et al., Tetrahedron Lett. 1973 (1976); for a ruthenium catalysed oxidation of alcohols to aldehydes and ketones: K. B. Sharpless et al., Tetrahedron Lett. 2503 (1976)		25 g 31. —	100 g 115. —	
	Methyl myristate $\text{CH}_3(\text{CH}_2)_{12}\text{COOCH}_3$ $\text{C}_{15}\text{H}_{30}\text{O}_2$ M_r 242.40 [124-10-7]				
70129	puriss. Standard for GC; >99.5% (GC); M.P. 18-20°; d_4^{20} 0.866; n_D^{20} 1.438	1 lt ≈ 0.87 kg	5 ml 32. —		
70130	puriss. >99% (GC); M.P. 18-20°; d_4^{20} 0.866; n_D^{20} 1.438	1 lt ≈ 0.87 kg	100 ml 22. —	500 ml 90. —	
	Methyl nadic anhydride see 68165 Methylbornene-2,3-dicarboxylic anhydride				
	1-Methylnaphthalene(α) 3/4; 78° $\text{CH}_3\text{C}_{10}\text{H}_7$ $\text{C}_{11}\text{H}_{10}$ M_r 142.20 [90-12-2]				
67880	pract. ~97% (GC); B.P. 241-245°; d_4^{20} 1.020; n_D^{20} 1.614; <3% 2-Methylnaphthalene	1 lt ≈ 1.02 kg	100 ml 10. —	500 ml 42. —	
67890	2-Methylnaphthalene(β) purum >98% (GC); M.P. 32-34°; ~2% 1-Methylnaphthalene $\text{CH}_3\text{C}_{10}\text{H}_7$ $\text{C}_{11}\text{H}_{10}$ M_r 142.20 [91-57-6]		250 g 12. —	1 lt 40. —	
67900	2-Methyl-1,4-naphthoquinone purum >98% (UV); M.P. 104-106° (Menadione; Vitamin K ₃) $\text{C}_6\text{H}_4\text{COC}(\text{CH}_3):\text{CHCO}$ $\text{C}_{11}\text{H}_8\text{O}_2$ M_r 172.19 [58-27-5]		25 g 14. —	100 50. —	
	Methyl 1-naphthylacetate $\text{C}_{10}\text{H}_7\text{CH}_2\text{COOCH}_3$ $\text{C}_{13}\text{H}_{12}\text{O}_2$ M_r 200.24 [2876-78-0]				
70960	purum ~97% (GC); B.P. 168-170°; d_4^{20} 1.142; n_D^{20} 1.596	1 lt ≈ 1.14 kg	25 ml 14. —	100 ml 50. —	
	Methyl 1- and 2-naphthyl ether see 67970 and 67980 1- and 2-Methoxynaphthalene				
	Methyl 1-naphthyl ketone see 67990 1-Acetonaphthone				
	Methyl 2-naphthyl ketone see 68000 2'-Acetonaphthone				
72420	Methyl nicotinate puriss. >99% (GC); M.P. 40-42° 6.1/21 $\text{CH}:\text{CHCH}:\text{NCH}:\text{CCOOCH}_3$ $\text{C}_7\text{H}_7\text{NO}_2$ M_r 137.14 [93-60-7]		100 g 16. —	500 g 67. —	
	N-Methylnicotinic acid betaine hydrochloride see 91890 Trigonelline hydrochloride				
73325	Methyl nitroacetate purum >99% (GC); B.P. 197-200°; d_4^{20} 1.294; n_D^{20} 1.426 $\text{NO}_2\text{CH}_2\text{COOCH}_3$ $\text{C}_3\text{H}_5\text{NO}_4$ M_r 119.08 [2483-57-0]	1 lt ≈ 1.29 kg	1 ml 20. —	5 ml 85. —	
	2-Methyl-3-, 4- and 5-nitroaniline see 08991, 08990 and 08980 2-Amino-6-, 5- and 4-nitrotoluene				
	4-Methyl-2- and 3-nitroaniline see 09010 and 09000 4-Amino-3- and 2-nitrotoluene				
	Methyl 4-nitrobenzenesulfonate $\text{NO}_2\text{C}_6\text{H}_4\text{SO}_3\text{CH}_3$ $\text{C}_7\text{H}_7\text{NO}_6\text{S}$ M_r 217.20 [6214-20-6]				
73045	puriss. biochim. >99% (GC); M.P. 90-92°; A selective S-methylating agent for proteins and peptides: R. L. Heinrikson, Biochem. Biophys. Res. Commun. 41, 967 (1970); for the methylation of the imidazolyl groups (His) in proteins (inhibitor of chymotrypsin): Y. Nakawaga and M. L. Bender, J. Am. Chem. Soc. 91, 1566 (1969); Y. Nakawaga and M. L. Bender, Biochemistry 9, 259 (1970)		5 g 29. —	25 g 120. —	
72960	Methyl 3-nitrobenzoate purum M.P. 78-79° (3-Nitro-benzoic acid methylester) $\text{NO}_2\text{C}_6\text{H}_4\text{COOCH}_3$ $\text{C}_8\text{H}_7\text{NO}_4$ M_r 181.15 [618-95-1]		100 g 20. —	500 g 85. —	
72962	Methyl 4-nitrobenzoate puriss. >99% (GC); M.P. 94-96° (4-Nitro-benzoic acid methylester) $\text{NO}_2\text{C}_6\text{H}_4\text{COOCH}_3$ $\text{C}_8\text{H}_7\text{NO}_4$ M_r 181.15 [619-50-1]		100 g 15. —	500 g 63. —	
68010	2-Methyl-3-nitrobenzoic acid purum >99% (T); M.P. 182-185° (3-Nitro-o-toluylic acid) $\text{CH}_3\text{C}_6\text{H}_3(\text{NO}_2)\text{COOH}$ $\text{C}_8\text{H}_7\text{NO}_4$ M_r 181.15 [1975-50-4]		100 g 28. —	500 g 120. —	

				sFr.	sFr.
	3-Methyl-2-nitrobenzoic acid (2-Nitro-m-toluylic acid)				
	CH ₃ C ₆ H ₃ (NO ₂)COOH C ₈ H ₇ NO ₄ M _r 181.15 [5437-38-7]				
68013	purum >98%(T); M.P. 218-221°; Ash <0.05%			25 g 21. —	100 g 75. —
68020	3-Methyl-4-nitrobenzoic acid purum >98%(T); M.P. 214-218° (4-Nitro-m-toluylic acid)				
	CH ₃ C ₆ H ₃ (NO ₂)COOH C ₈ H ₇ NO ₄ M _r 181.15 [3113-71-1]				
	5-Methyl-2-nitrobenzoic acid (6-Nitro-m-toluylic acid)				
	CH ₃ C ₆ H ₄ (NO ₂)COOH C ₈ H ₇ NO ₄ M _r 181.15 [3113-72-2]				
68030	purum >98%(T); M.P. 134-136°; Ash <0.1%			100 g 20. —	500 g 85. —
74147	trans-Methyl m-nitrocinnamate pract. M.P. 122-124°				
	NO ₂ C ₆ H ₄ CH:CHCOOCH ₃ C ₁₀ H ₉ NO ₄ M _r 207.19 [1664-59-1]				
68040	2-Methyl-1-nitronaphthalene purum >98%(GC); M.P. 81-83° dec.; B.P. ₁₈ 188-190°				
	CH ₃ C ₁₀ H ₆ NO ₂ C ₁₁ H ₉ NO ₂ M _r 187.20 [881-03-8]				
	3-Methyl-4-nitro-1-(4-nitrophenyl)-2-pyrazolin-5-one see 80460 Picrolonic acid				
	N-Methyl-N'-nitro-N-nitrosoguanidine				
	6.1/21 NO ₂ NHC(:NH)N(NO)CH ₃ C ₂ H ₅ N ₅ O ₃ M _r 147.09 [70-25-7]				
68051	purum M.P. 112-117° dec.; moistened with water; store in refrigerator; for the synthesis of Diazomethane: Anal. Chem. 45, 2302 (1973)			5 g 9. —	25 g 35. —
	3-Methyl-4-nitrophenol see 73460 4-Nitro-m-cresol				
68055	2-Methyl-2-nitropropane purum >98%(GC); M.P. 22-25°; B.P. ₂₅ 39-41°				
	3/3; 28° (CH ₃)CNO ₂ C ₄ H ₉ NO ₂ M _r 103.12 [594-70-7]	1 lt ≈ 0.96 kg	10 ml 25. —	50 ml 105. —	
68060	2-Methyl-2-nitro-1-propanol purum M.P. 88-89°; 1 g clearly soluble in 10 ml Methanol				
	(CH ₃) ₂ C(NO ₂)CH ₂ OH C ₄ H ₉ NO ₃ M _r 119.12 [76-39-1]				
	3-Methyl-4-nitropyridine-1-oxide				
	CH:CHC(NO ₂):C(CH ₃)CH:NO C ₆ H ₆ N ₂ O ₃ M _r 154.13 [1074-98-2]				
68065	purum >98%(N); M.P. 135-137°; 1 g clearly soluble in 10 ml water			5 g 21. —	
	N-Methyl-N-nitroso-p-toluenesulfonamide see 73970 N-Nitroso-N-methyl-4-toluenesulfonamide				
	Methyl nonadecanoate				
	CH ₃ (CH ₂) ₁₇ COOCH ₃ C ₂₀ H ₄₀ O ₂ M _r 312.54 [1731-94-8]				
74210	puriss. >98%(GC); M.P. 39-40°			5 g 29. —	
74212	purum >98%(GC)			10 g 25. —	50 g 105. —
68070	2-Methylnonane purum >99%(GC); B.P. 166-169°; d ₄ ²⁰ 0.726; n _D ²⁰ 1.410				
	3/3; 46° CH ₃ (CH ₂) ₆ CH(CH ₃) ₂ C ₁₀ H ₂₂ M _r 142.29 [871-83-0]	1 lt ≈ 0.73 kg	5 ml 26. —	25 ml 110. —	
68080	3-Methylnonane purum >99%(GC); B.P. 166-167°; d ₄ ²⁰ 0.732; n _D ²⁰ 1.413				
	3/3; 46° CH ₃ (CH ₂) ₅ CH(CH ₃)CH ₂ CH ₃ C ₁₀ H ₂₂ M _r 142.29 [5911-04-6]	1 lt ≈ 0.73 kg	5 ml 26. —	25 ml 110. —	
68090	4-Methylnonane purum >98%(GC); B.P. 163-166°; d ₄ ²⁰ 0.73; n _D ²⁰ 1.413				
	3/3; 44° CH ₃ (CH ₂) ₄ CH(CH ₃)CH ₂ CH ₂ CH ₃ C ₁₀ H ₂₂ M _r 142.29 [17301-94-9]	1 lt ≈ 0.73 kg	5 ml 37. —	25 ml 155. —	
	Methyl nonanoate see 76370 Methyl pelargonate				
	Methyl nonyl carbinol see 94070 2-Undecanol				
	Methyl nonyl ketone see 68160 2-Undecanone				
	Methylnorbomene-2,3-dicarboxylic anhydride (Methyl nadic anhydride)				
	3/4; >53° C ₁₀ H ₁₀ O ₃ M _r 178.19 [25134-21-8]				
68165	pract. >95%(NT); d ₄ ²⁰ 1.232; n _D ²⁰ 1.506; mixture of isomers			1 lt ≈ 1.23 kg	250 ml 14. —
					1 lt 40. —
74701	Methyl octacosanoate puriss. >99%(GC); M.P. 67-69°				
	CH ₃ (CH ₂) ₂₆ COOCH ₃ C ₂₉ H ₅₈ O ₂ M _r 438.78 [55682-92-3]				
	Methyl cis-9-octadecenoate see 75160 Methyl oleate				
	Methyl trans-9-octadecenoate see 45119 Methyl elaidate				
68170	2-Methyloctane purum >99%(GC); B.P. 140-142°; d ₄ ²⁰ 0.713; n _D ²⁰ 1.402				
	3/3; 26° CH ₃ (CH ₂) ₅ CH(CH ₃) ₂ C ₉ H ₂₀ M _r 128.26 [3221-61-2]	1 lt ≈ 0.71 kg	5 ml 29. —	25 ml 120. —	
68180	3-Methyloctane purum >98%(GC); B.P. 141-144°; d ₄ ²⁰ 0.719; n _D ²⁰ 1.407				
	3/1a; 22° CH ₃ (CH ₂) ₄ CH(CH ₃)CH ₂ CH ₃ C ₉ H ₂₀ M _r 128.26 [2216-33-3]	1 lt ≈ 0.72 kg	5 ml 29. —	25 ml 120. —	
68190	4-Methyloctane purum >99%(GC); B.P. 140-142°; d ₄ ²⁰ 0.719; n _D ²⁰ 1.405				
	3/1a; 20° CH ₃ (CH ₂) ₃ CH(CH ₃)CH ₂ CH ₂ CH ₃ C ₉ H ₂₀ M _r 128.26 [2216-34-4]	1 lt ≈ 0.72 kg	5 ml 29. —	25 ml 120. —	

			sFr.	sFr.
	Methyl octanoate see 21719 Methyl caprylate			
	Methyl octyl carbinol see 30620 2-Decanol			
	Methyl octyl ketone see 68230 2-Decanone			
74975	Methyl 2-octynoate purum >97%(GC); B.P. 215-217°; d_4^{20} 0.924; n_D^{20} 1.447 $\text{CH}_3(\text{CH}_2)_4\text{C}\equiv\text{CCOOCH}_3$ $\text{C}_9\text{H}_{16}\text{O}_2$ M_r 154.20 [111-12-6]	1 lt $\approx$ 0.92 kg	25 ml 26. —	100 ml 95. —
	Methyl oleate (Methyl cis-9-octadecenoate) $\text{CH}_3(\text{CH}_2)_7\text{CH}:\text{CH}(\text{CH}_2)_7\text{COOCH}_3$ $\text{C}_{19}\text{H}_{36}\text{O}_2$ M_r 296.50 [2462-84-2]			
75160	puriss. natural Standard for GC; >99%(GC); B.P. 168-170° (Lit.); d_4^{20} 0.874; n_D^{20} 1.452; store in refrigerator	1 lt $\approx$ 0.87 kg	5 ml 40. —	
75162	purum natural >96%(GC); d_4^{20} 0.874; n_D^{20} 1.452; ~2% Methyl linoleate; store in refrigerator	1 lt $\approx$ 0.87 kg	10 ml 40. —	50 ml 170. —
75163	techn. ~60-70%(GC); d_4^{20} 0.875; n_D^{20} 1.452	1 lt $\approx$ 0.88 kg	1 lt 20. —	5 lt 85. —
	Methyl Orange [C.I. Nr. 13025; Sch. Nr. 176] (Helianthin; Orange III) 4- $\text{NaO}_3\text{SC}_6\text{H}_4\text{N}:\text{NC}_6\text{H}_4$ -4-N $(\text{CH}_3)_2$ $\text{C}_{14}\text{H}_{14}\text{N}_3\text{NaO}_3\text{S}$ M_r 327.34 [547-58-0]			
68250	Standard Fluka Indicator pH 3.0-4.4; for Microscopy (Hist.)	25 g 7. —	100 g 11. —	500 g 46. —
	mono-Methyl oxalyl chloride (Methyl chloroglyoxalate) 8/22 ClCOCOOCH_3 $\text{C}_3\text{H}_3\text{ClO}_3$ M_r 122.51 [5781-53-3]			
75754	purum >97%(Cl); B.P. 115-118°; d_4^{20} 1.332; n_D^{20} 1.418	1 lt $\approx$ 1.33 kg	10 ml 30. —	50 ml 125. —
	3-Methyl-2-oxobutyric acid Sodium salt (α -Ketoisovaleric acid Sodium salt) $\text{CH}_3\text{CH}(\text{CH}_3)\text{COCOONa}$ $\text{C}_5\text{H}_7\text{NaO}_3$ M_r 138.10 [3715-29-5]			
68253	puriss. >99%(NT); M.P. ~220-230° dec.		1 g 7. —	5 g 21. —
	Methyl 2-oxocyclopentanecarboxylate see 29785 Methyl cyclopentanone-2-carboxylate			
	4-Methyl-2-oxopentanoic acid (2-Oxo-isocaproic acid) $(\text{CH}_3)_2\text{CHCH}_2\text{COCOOH}$ $\text{C}_6\text{H}_{10}\text{O}_3$ M_r 130.14 [816-66-0]			
68255	puriss. >99%(GC); M.P. 7-9°; B.P. 118-123°; d_4^{20} 1.054; n_D^{20} 1.430; store in refrigerator		1 g 9. —	5 g 34. —
	3-Methyl-2-oxopentanoic acid (Methylethylpyruvic acid) $\text{CH}_3\text{CH}_2\text{CH}(\text{CH}_3)\text{COCOOH}$ $\text{C}_6\text{H}_{10}\text{O}_3$ M_r 130.14 [1460-34-0]			
68256	purum >97%(GC); M.P. 39-41°; B.P. 179-183°; store in refrigerator		1 g 10. —	
	DL-3-Methyl-2-oxovaleric acid Sodium salt (Sodium DL-3-methyl-2-oxovalerate; Sodium α -keto- β -methylvalerate) $\text{CH}_3\text{CH}_2\text{CH}(\text{CH}_3)\text{COCOONa}$ $\text{C}_6\text{H}_9\text{NaO}_3$ M_r 152.13 [3715-31-9]			
68260	purum >99%(NT)		5 g 13. —	25 g 55. —
	4-Methyl-2-oxovaleric acid Sodium salt (Sodium 4-methyl-2-oxovalerate; Sodium α -ketoisocaproate) $(\text{CH}_3)_2\text{CHCH}_2\text{COCOONa}$ $\text{C}_6\text{H}_9\text{NaO}_3$ M_r 152.13 [4502-00-5]			
68265	purum >99%(NT)		5 g 15. —	25 g 63. —
	Methyl palmitate $\text{CH}_3(\text{CH}_2)_{14}\text{COOCH}_3$ $\text{C}_{17}\text{H}_{34}\text{O}_2$ M_r 270.46 [112-39-0]			
76159	puriss. Standard for GC; >99%(GC); M.P. 30-30.5°; B.P. 135-137°		5 g 21. —	
76160	puriss. ~99%(GC); M.P. 29-30°		25 g 16. —	100 g 55. —
76161	purum ~97%(GC); M.P. 25-29°; Myristic acid and Methyl stearate <2.5%		100 g 20. —	500 g 85. —
76176	Methyl palmitoleate puriss. Standard for GC; >99%(GC); d_4^{20} 0.875; n_D^{20} 1.451 $\text{CH}_3(\text{CH}_2)_5\text{CH}:\text{CH}(\text{CH}_2)_7\text{COOCH}_3$ $\text{C}_{17}\text{H}_{32}\text{O}_2$ M_r 268.44 [3913-63-1]		1 g 120. —	
	Methyl pelargonate (Methyl nonanoate) 3/4; 87° $\text{CH}_3(\text{CH}_2)_7\text{COOCH}_3$ $\text{C}_{10}\text{H}_{20}\text{O}_2$ M_r 172.27 [1731-84-6]			
76370	puriss. >99%(GC); B.P. 191-192°; d_4^{20} 0.873; n_D^{20} 1.422	1 lt $\approx$ 0.87 kg	10 ml 28. —	50 ml 120. —
76372	pract. 90-95%(GC)	1 lt $\approx$ 0.87 kg	250 ml 20. —	1 lt 70. —
	Methyl pentadecanoate $\text{CH}_3(\text{CH}_2)_{13}\text{COOCH}_3$ $\text{C}_{16}\text{H}_{32}\text{O}_2$ M_r 256.43 [7132-64-1]			
76560	puriss. >99%(GC); M.P. 18-19°; B.P. 199-200°; d_4^{20} 0.865; n_D^{20} 1.439	1 lt $\approx$ 0.87 kg	5 ml 21. —	25 ml 90. —
76562	purum >97%(GC); M.P. 18-19°	1 lt $\approx$ 0.88 kg	10 ml 22. —	50 ml 90. —
68285	3-Methyl-1,2-pentadiene purum >98%(GC); d_4^{20} 0.717; n_D^{20} 1.431 3/1a; -22° $\text{CH}_3\text{CH}_2\text{C}(\text{CH}_3):\text{C}:\text{CH}_2$ C_6H_{10} M_r 82.15 [7417-48-3]	1 lt $\approx$ 0.72 kg	5 ml 75. —	
	trans-2-Methyl-1,3-pentadiene 3/1a; -8° $\text{CH}_3\text{CH}:\text{CHC}(\text{CH}_3):\text{CH}_2$ C_6H_{10} M_r 82.15 [926-54-5]			
68270	purum >98%(GC); B.P. 73-75°; d_4^{20} 0.718; n_D^{20} 1.444	1 lt $\approx$ 0.72 kg	5 ml 55. —	

			sFr.	sFr.
68290	4-Methyl-1,3-pentadiene purum >98%(GC); B.P. 75-77°; d ₄ ²⁰ 0.718; n _D ²⁰ 1.452 3/1a; -18° (CH ₃) ₂ C:CHCH:CH ₂ C ₆ H ₁₀ M _r 82.15 [763-30-4]	1 lt ≈ 0.72 kg	5 ml 55. —	
	2-Methyl-1,4-pentadiene (2-Allylpropene) 3/1a CH ₂ :CHCH ₂ C(CH ₃):CH ₂ C ₆ H ₁₀ M _r 82.15 [763-30-4]			
68280	purum >99%(GC); B.P. 57-59°; d ₄ ²⁰ 0.694; n _D ²⁰ 1.405	1 lt ≈ 0.69 kg	5 ml 60. —	
	2-Methyl-2,3-pentadiene (Trimethylallene) 3/1a; -23° CH ₃ CH:C:C(CH ₃) ₂ C ₆ H ₁₀ M _r 82.15 [3043-33-2]			
68283	purum >98%(GC); B.P. 70-72°; d ₄ ²⁰ 0.712; n _D ²⁰ 1.435	1 lt ≈ 0.71 kg	5 ml 75. —	
	2-Methylpentane (Isohexane) 3/1a; -7° CH ₃ CH ₂ CH ₂ CH(CH ₃) ₂ C ₆ H ₁₄ M _r 86.18 [107-83-5]			
68310	puriss. Standard for GC; >99.5%(GC); B.P. 59-60°; d ₄ ²⁰ 0.653; n _D ²⁰ 1.371	1 lt ≈ 0.65 kg	10 ml 28. —	50 ml 120. —
68312	purum ~97%(GC); B.P. 58-60°; d ₄ ²⁰ 0.653; n _D ²⁰ 1.371; <2% 2,3-Dimethylbutane; <0.5% 3-Methylpentane	1 lt ≈ 0.65 kg	100 ml 25. —	500 ml 105. —
68313	pract. ~97%(GC); B.P. 58-60°; d ₄ ²⁰ 0.653; n _D ²⁰ 1.371; + 2.5% 2,3-Dimethylpentane; + 0.5% 3-Methylpentane	1 lt ≈ 0.65 kg	100 ml 14. —	500 ml 60. —
	3-Methylpentane 3/1a; -7° (CH ₃ CH ₂) ₂ CHCH ₃ C ₆ H ₁₄ M _r 86.18 [96-14-0]			
68320	puriss. Standard for GC; >99.5%(GC); B.P. 63-64°; d ₄ ²⁰ 0.663; n _D ²⁰ 1.376	1 lt ≈ 0.66 kg	10 ml 28. —	50 ml 120. —
68322	purum >99%(GC); B.P. 62-64°; d ₄ ²⁰ 0.664; n _D ²⁰ 1.377	1 lt ≈ 0.66 kg	100 ml 18. —	500 ml 75. —
68323	pract. >95%(GC); <5% 2-Methylpentane; B.P. 62-64°; d ₄ ²⁰ 0.663; n _D ²⁰ 1.376	1 lt ≈ 0.66 kg	100 ml 12. —	500 ml 50. —
	2-Methyl-2,4-pentanediol ("Hexylene glycol") CH ₃ CH(OH)CH ₂ C(CH ₃) ₂ OH C ₆ H ₁₄ O ₂ M _r 118.18 [107-41-5]			
68340	puriss. >99%(GC); B.P. 97-98°; d ₄ ²⁰ 0.921; n _D ²⁰ 1.428	1 lt ≈ 0.92 kg	100 ml 7. —	500 ml 24. —
68342	purum >98%(GC); d ₄ ²⁰ 0.921; n _D ²⁰ 1.428	1 lt ≈ 0.92 kg	1 lt 15. —	5 lt 63. —
	3-Methyl-1,5-pentanediol HOCH ₂ CH ₂ CH(CH ₃)CH ₂ CH ₂ OH C ₆ H ₁₄ O ₂ M _r 118.18 [4457-71-0]			
68295	purum >98%(GC); B.P. 248° (Lit.); d ₄ ²⁰ 0.976; n _D ²⁰ 1.453; Water <3%	1 lt ≈ 0.98 kg	250 ml 14. —	1 lt 60. —
68370	2-Methyl-1-pentanol purum >99%(GC); B.P. 144-147°; d ₄ ²⁰ 0.826; n _D ²⁰ 1.419 3/3; 53° CH ₃ CH ₂ CH ₂ CH(CH ₃)CH ₂ OH C ₆ H ₁₄ O M _r 102.18 [105-30-6]	1 lt ≈ 0.83 kg	250 ml 10. —	1 lt 35. —
	2-Methyl-2-pentanol (Dimethyl propyl carbinol) 3/3; 30° CH ₃ CH ₂ CH ₂ C(CH ₃) ₂ OH C ₆ H ₁₄ O M _r 102.18 [590-36-3]			
68380	purum ~99%(GC); B.P. 122-124°; d ₄ ²⁰ 0.807; n _D ²⁰ 1.411	1 lt ≈ 0.81 kg	10 ml 13. —	50 ml 55. —
68390	2-Methyl-3-pentanol purum >98%(GC); d ₄ ²⁰ 0.83 (Ethyl isopropyl carbinol) 3/3; 36° CH ₃ CH ₂ CH(OH)CH(CH ₃) ₂ C ₆ H ₁₄ O M _r 102.18 [565-67-3]	1 lt ≈ 0.83 kg	5 ml 13. —	25 ml 55. —
	3-Methyl-1-pentanol 3/4; 60° CH ₃ CH ₂ CH(CH ₃)CH ₂ CH ₂ OH C ₆ H ₁₄ O M _r 102.18 [589-35-5]			
68400	purum ~99%(GC); B.P. 155-158°; d ₄ ²⁰ 0.824; n _D ²⁰ 1.419	1 lt ≈ 0.82 kg	5 ml 26. —	25 ml 110. —
68410	3-Methyl-2-pentanol purum >98%(GC) (sec-Butyl methyl carbinol) 3/3; 41° CH ₃ CH ₂ CH(CH ₃)CH(OH)CH ₃ C ₆ H ₁₄ O M _r 102.18 [565-60-6]	1 lt ≈ 0.83 kg	10 ml 25. —	50 ml 105. —
68420	3-Methyl-3-pentanol purum >98%(GC) (Diethyl methyl carbinol) 3/3; 24° (CH ₃ CH ₂) ₂ C(CH ₃)OH C ₆ H ₁₄ O M _r 102.18 [77-74-7]	1 lt ≈ 0.82 kg	250 ml 24. —	1 lt 90. —
	4-Methyl-1-pentanol 3/4; 57° (CH ₃) ₂ CH(CH ₂) ₃ OH C ₆ H ₁₄ O M _r 102.18 [626-89-1]			
68430	purum ~97%(GC); B.P. 151-152°; d ₄ ²⁰ 0.814; n _D ²⁰ 1.414	1 lt ≈ 0.81 kg	10 ml 35. —	50 ml 145. —
	4-Methyl-2-pentanol (Isobutyl methyl carbinol) 3/3; 54° (CH ₃) ₂ CHCH ₂ CH(OH)CH ₃ C ₆ H ₁₄ O M _r 102.18 [108-11-2]			
68440	purum >97%(GC); B.P. 130-133°; d ₄ ²⁰ 0.808; n _D ²⁰ 1.411	1 lt ≈ 0.81 kg	1 lt 11. —	5 lt 46. —
	2-Methyl-3-pentanone (Ethyl isopropyl ketone) 3/1a; 11° (CH ₃) ₂ CHCOC ₂ H ₅ C ₆ H ₁₂ O M _r 100.16 [565-69-5]			
04220	purum >97%(GC); B.P. 112-116°; d ₄ ²⁰ 0.803; n _D ²⁰ 1.395	1 lt ≈ 0.81 kg	25 ml 55. —	100 ml 200. —
04222	techn. ~50%(GC); contains also approx. 30% Diethyl ketone and ~15% Diisopropyl ketone; d ₄ ²⁰ 0.810	1 lt ≈ 0.81 kg	100 ml 28. —	500 ml 120. —



					sFr.	sFr.
4-Methyl-2-pentanone (Isobutyl methyl ketone; Isopropylacetone)						
3/3; 23°	$(\text{CH}_3)_2\text{CHCH}_2\text{COCH}_3$ $\text{C}_6\text{H}_{12}\text{O}$ M_r 100.16 [108-10-1]					
58600	puriss. p.a. B.P. 116-117°; d_4^{20} 0.800; n_D^{20} 1.396		1 lt $\approx$ 0.80 kg	250 ml 7. —	1 lt 16. —	2.5 lt 35. —
	Fluka-Guarantee:					
	Assay (GC)	>99.0 %	Iron (Fe)	<0.00005%		
	Water (H_2O)	<0.1 %	Copper (Cu)	<0.00001%		
	Residue on evaporation	<0.001 %	Lead (Pb)	<0.00001%		
	Free acid (as CH_3COOH)	<0.01 %	Cadmium (Cd)	<0.00001%		
	Cobalt (Co)	<0.00001%	Zinc (Zn)	<0.00001%		
	Nickel (Ni)	<0.00001%				
58610	purum >98%(GC); B.P. 114-117°; d_4^{20} 0.801; n_D^{20} 1.396		1 lt $\approx$ 0.80 kg		1 lt 11. —	5 lt 34. —
2-Methyl-1-pentene						
3/1a; -27°	$\text{CH}_3\text{CH}_2\text{CH}_2\text{C}(\text{CH}_3):\text{CH}_2$ C_6H_{12} M_r 84.16 [763-29-1]					
68450	puriss. Standard for GC; >99.5%(GC); B.P. 62-63°; d_4^{20} 0.679; n_D^{20} 1.392		1 lt $\approx$ 0.68 kg		5 ml 26. —	25 ml 110. —
68452	purum >99%(GC) + isomeric Hexenes; B.P. 60-62°; d_4^{20} 0.680; n_D^{20} 1.392		1 lt $\approx$ 0.68 kg		25 ml 12. —	100 ml 40. —
68460	2-Methyl-2-pentene purum >99%(GC); B.P. 67-68°; d_4^{20} 0.686; n_D^{20} 1.400 3/1a; -27° $\text{CH}_3\text{CH}_2\text{CH}:\text{C}(\text{CH}_3)_2$ C_6H_{12} M_r 84.16 [625-27-4]		1 lt $\approx$ 0.69 kg		10 ml 15. —	50 ml 55. —
68470	3-Methyl-1-pentene purum >99%(GC); B.P. 51-55°; d_4^{20} 0.667; n_D^{20} 1.384 3/1a; -27° $\text{CH}_3\text{CH}_2\text{CH}(\text{CH}_3)\text{CH}:\text{CH}_2$ C_6H_{12} M_r 84.16 [760-20-3]		1 lt $\approx$ 0.67 kg		5 ml 32. —	25 ml 135. —
cis-3-Methyl-2-pentene						
3/1a; -27°	$\text{CH}_3\text{CH}_2\text{C}(\text{CH}_3):\text{CHCH}_3$ C_6H_{12} M_r 84.16 [922-62-3]					
68480	purum >97%(GC); B.P. 67-68°; d_4^{20} 0.692; n_D^{20} 1.406		1 lt $\approx$ 0.69 kg		5 ml 26. —	25 ml 110. —
trans-3-Methyl-2-pentene						
3/1a; -27°	$\text{CH}_3\text{CH}_2\text{C}(\text{CH}_3):\text{CHCH}_3$ C_6H_{12} M_r 84.16 [616-12-6]					
68490	purum >98%(GC); B.P. 70-72°; d_4^{20} 0.696; n_D^{20} 1.405		1 lt $\approx$ 0.70 kg		5 ml 21. —	25 ml 90. —
68500	3-Methyl-2-pentene (cis + trans) purum >99%(GC); d_4^{20} 0.697; n_D^{20} 1.404 3/1a; -27° $\text{CH}_3\text{CH}_2\text{C}(\text{CH}_3):\text{CHCH}_3$ C_6H_{12} M_r 84.16 [922-61-2]		1 lt $\approx$ 0.70 kg		5 ml 24. —	25 ml 100. —
4-Methyl-1-pentene						
3/1a; -7°	$(\text{CH}_3)_2\text{CHCH}_2\text{CH}:\text{CH}_2$ C_6H_{12} M_r 84.16 [691-37-2]					
68510	puriss. Standard for GC; >99.5%(GC); B.P. 53-54°; d_4^{20} 0.664; n_D^{20} 1.382		1 lt $\approx$ 0.66 kg		5 ml 26. —	25 ml 110. —
68512	purum >98%(GC) + isomeric Hexenes; d_4^{20} 0.664; n_D^{20} 1.382		1 lt $\approx$ 0.66 kg		25 ml 12. —	100 ml 40. —
cis-4-Methyl-2-pentene						
3/1a; <0°	$(\text{CH}_3)_2\text{CHCH}:\text{CHCH}_3$ C_6H_{12} M_r 84.16 [691-38-3]					
68520	puriss. Standard for GC; >99.5%(GC); B.P. 55-56°; d_4^{20} 0.669; n_D^{20} 1.388		1 lt $\approx$ 0.67 kg		5 ml 26. —	25 ml 110. —
3-Methyl-1-penten-3-ol (3-Hydroxy-3-methyl-1-pentene)						
3/3; 23°	$\text{CH}_2:\text{CHC}(\text{OH})(\text{CH}_3)\text{C}_2\text{H}_5$ $\text{C}_6\text{H}_{12}\text{O}$ M_r 100.16 [918-85-4]					
68565	purum $\sim$ 98%(GC); B.P. 114-116°; d_4^{20} 0.838; n_D^{20} 1.429		1 lt $\approx$ 0.84 kg		250 ml 24. —	1 lt 90. —
4-Methyl-4-penten-2-one see 63940 Mesityl oxide						
3-Methyl-1-penten-4-yn-3-ol						
	$\text{CH}_2\text{CC}(\text{OH})(\text{CH}_3)\text{CH}:\text{CH}_2$ $\text{C}_6\text{H}_8\text{O}$ M_r 96.13 [3230-69-1]					
68543	purum >98%(GC); B.P. 58-60°; d_4^{20} 0.890; n_D^{20} 1.447		1 lt $\approx$ 0.89 kg		100 ml 25. —	500 ml 105. —
cis-3-Methyl-2-penten-4-yn-1-ol						
	$\text{CH}_2\text{CC}(\text{CH}_3):\text{CHCH}_2\text{OH}$ $\text{C}_6\text{H}_8\text{O}$ M_r 96.13 [6153-05-5]					
68545	pract. $\sim$ 96%(GC); B.P. 165-167°; d_4^{20} 0.922; n_D^{20} 1.483		1 lt $\approx$ 0.92 kg		50 ml 12. —	250 ml 50. —
trans-3-Methyl-2-penten-4-yn-1-ol						
	$\text{CH}_2\text{CC}(\text{CH}_3):\text{CHCH}_2\text{OH}$ $\text{C}_6\text{H}_8\text{O}$ M_r 96.13 [6153-06-6]					
68547	techn. 70-75%(GC); d_4^{20} 0.947; n_D^{20} 1.495		1 lt $\approx$ 0.95 kg		100 ml 20. —	500 ml 85. —
Methyl pentyl carbinol see 51800 2-Heptanol						
Methyl pentyl ketone see 68592 2-Heptanone						
N-Methylphenazonium methyl sulfate (Phenazine methosulfate; 5-Methylphenazinium						
3/3; 41°	methosulfate)					
	$\text{C}_6\text{H}_4\text{N}:\text{C}_6\text{H}_4:\text{N}(\text{CH}_3)\text{OSO}_3\text{CH}_3$ $\text{C}_{14}\text{H}_{14}\text{N}_2\text{O}_4\text{S}$ M_r 306.34 [299-11-6]					
68600	puriss. >99%(N); 1 g clearly soluble in 10 ml water		1 g 7. —		5 g 24. —	25 g 100. —



sFr.

sFr.

2-, 3- and 4-Methylphenol see 60990, 61020 and 61030 o-, m- and p-Cresol**Methyl phenylacetate**3/4; 96° $\text{C}_6\text{H}_5\text{CH}_2\text{COOCH}_3$ $\text{C}_9\text{H}_{10}\text{O}_2$ M_r 150.18 [101-41-7]78540 purum >99%(GC); B.P.₁₀ 93-95°; d_4^{20} 1.066; n_D^{20} 1.506 1 lt ≈ 1.07 kg 250 ml 14. — 1 lt 50. —**4-Methylphenylacetoneitrile** see 89970 p-Tolylacetoneitrile**Methyl phenyl carbinol** see 77850 (±)-1-Phenylethanol**4-Methyl-m-phenylene diisocyanate** see 89870 Toluylene-2,4-diisocyanate**Methyl phenyl ether** see 10520 Anisole**Methyl phenylglyoxalate** (Methyl benzoylformate) $\text{C}_6\text{H}_5\text{COCOOCH}_3$ $\text{C}_8\text{H}_8\text{O}_3$ M_r 164.17 [15206-55-0]78620 pract. ~97%(GC); d_4^{20} 1.161; n_D^{20} 1.527 1 lt ≈ 1.16 kg 10 ml 15. — 50 ml 63. —**N-Methyl-N-phenylhydrazine (asym.)** (α-Methylphenylhydrazine) $\text{C}_6\text{H}_5\text{N}(\text{CH}_3)\text{NH}_2$ $\text{C}_7\text{H}_{10}\text{N}_2$ M_r 122.17 [618-40-6]68670 pract. ~95%(GC); B.P. 224-227°; d_4^{20} 1.04; n_D^{20} 1.583 1 lt ≈ 1.04 kg 5 ml 24. — 25 ml 100. —**2-, 3- and 4-Methylphenylhydrazine hydrochloride**

see 90100, 90110 and 90120 o-, m- and p-Tolylhydrazine hydrochloride

4-Methylphenyl isothiocyanate (p-Tolyl-isothioyanate)6.1/21 $\text{CH}_3\text{C}_6\text{H}_4\text{NCS}$ $\text{C}_6\text{H}_7\text{NS}$ M_r 149.22 [622-59-3]68677 purum ~97%(GC); M.P. 23-26°; B.P._{0.3} 62°; store in refrigerator 5 g 15. — 25 g 63. —**Methyl phenyl ketone** see 00790 Acetophenone**(4S,5S)-2-Methyl-5-phenyl-2-oxazoline-4-methanol** see 37303 (4S,5S)-4,5-Dihydro-4-hydroxymethyl-2-methyl-5-phenyloxazole68705 **3-Methyl-1-phenyl-1-phospha-3-cyclopenten-1-oxide** puriss. 5 g 50. — $\text{CH}_2\text{CH}(\text{CH}_3):\text{CHCH}_2\text{P}(\text{O})\text{C}_6\text{H}_5$ $\text{C}_{11}\text{H}_{14}\text{OP}$ M_r 193.21 [7564-51-4]**2-Methyl-1-phenylpropane** see 58500 Isobutylbenzene**2-Methyl-2-phenylpropane** see 19640 tert-Butylbenzene**2-Methyl-1-phenyl-2-propanol** (Benzyl dimethyl carbinol; 1,1-Dimethyl-2-phenylethyl alcohol) $\text{C}_6\text{H}_5\text{CH}_2\text{C}(\text{CH}_3)_2\text{OH}$ $\text{C}_{10}\text{H}_{14}\text{O}$ M_r 150.22 [100-86-7]68710 purum >98%(GC); M.P. 23-25°; B.P.₁₀ 103-105° 1 lt ≈ 0.98 kg 100 ml 22. — 500 ml 90. —**2-Methyl-1-phenyl-1-propanone** (Isobutyrophenone; Isobutyrylbenzene; Isopropyl phenyl ketone)3/4; 89° $\text{C}_6\text{H}_5\text{COCH}(\text{CH}_3)_2$ $\text{C}_{10}\text{H}_{12}\text{O}$ M_r 148.21 [611-70-1]59730 pract. >97%(GC); B.P. 220-222°; d_4^{20} 0.982; n_D^{20} 1.517 1 lt ≈ 0.98 kg 25 ml 13. — 100 ml 45. —**2-Methyl-1-phenyl-1-propene** [(2-Methylpropenyl)benzene]3/4; 82° $\text{C}_6\text{H}_5\text{CH}:\text{C}(\text{CH}_3)_2$ $\text{C}_{10}\text{H}_{12}$ M_r 132.21 [768-49-0]68720 purum >99%(GC); B.P. 187-189°; d_4^{20} 0.901; n_D^{20} 1.533 1 lt ≈ 0.90 kg 5 ml 42. — 25 ml 175. —**3-Methyl-1-phenyl-2-pyrazolin-5-one** $\text{C}_6\text{H}_5\text{NN}:\text{C}(\text{CH}_3)\text{CH}_2\text{CO}$ $\text{C}_{10}\text{H}_{10}\text{N}_2\text{O}$ M_r 174.20 [89-25-8]

68740 purum >98%(NT); M.P. 126-128°; Ash <0.1%; 1 g clearly soluble in 10 ml Methanol 250 g 14. — 1 kg 50. —

Methyl phenyl sulfide see 88470 Thioanisole**Methyl 2-phenylsulfinylacetate** $\text{C}_6\text{H}_5\text{S}(\text{O})\text{CH}_2\text{COOCH}_3$ $\text{C}_9\text{H}_{10}\text{O}_3\text{S}$ M_r 198.24 [14090-83-6]

79175 purum >99%(GC); M.P. 52-54°; Review: B. M. Trost, Acc. Chem. Res. 11, 453 (1978) 5 g 24. — 25 g 100. —

Methyl phenyl sulfoxide $\text{CH}_3\text{SOC}_6\text{H}_5$ $\text{C}_7\text{H}_8\text{OS}$ M_r 140.20 [1193-82-4]68743 purum >97%(GC); M.P. 26-29°; B.P._{0.3} 102°; store in refrigerator 5 g 37. — 25 g 155. —**2-Methyl-3-phytyl-1,4-naphthoquinone** see 95271 Vitamin K₁**1-Methylpiperazine**3/3; 39° $\text{CH}_3\text{NCH}_2\text{CH}_2\text{NHCH}_2\text{CH}_2$ $\text{C}_6\text{H}_{12}\text{N}_2$ M_r 100.16 [109-01-3]68810 purum >99%(GC); B.P. 135-138°; d_4^{20} 0.902; n_D^{20} 1.466 1 lt ≈ 0.90 kg 100 ml 18. — 500 ml 75. —

				sFr.	sFr.
68830	1-Methylpiperidine purum >98% (GC); B.P. 105-107°; d_4^{20} 0.817; n_D^{20} 1.438 3/1a; 3° $\text{CH}_3\text{N}(\text{CH}_2)_4\text{CH}_2$ $\text{C}_6\text{H}_{13}\text{N}$ M_r 99.18 [626-67-5]	1 lt $\approx$ 0.82 kg	100 ml 12. —	500 ml 50. —	
68840	2-Methylpiperidine (α -Pipicoline) 3/1a; 10° $\text{NH}(\text{CH}_2)_4\text{CHCH}_3$ $\text{C}_6\text{H}_{13}\text{N}$ M_r 99.18 [109-05-7] purum >98% (GC); B.P. 117-119°; d_4^{20} 0.839; n_D^{20} 1.445	1 lt $\approx$ 0.84 kg	100 ml 18. —	500 ml 75. —	
68850	3-Methylpiperidine (β -Pipicoline) 3/1a; 21° $\text{NHCH}_2\text{CH}(\text{CH}_3)\text{CH}_2\text{CH}_2\text{CH}_2$ $\text{C}_6\text{H}_{13}\text{N}$ M_r 99.18 [626-56-2] purum >99% (GC); B.P. 123-126°; d_4^{20} 0.845; n_D^{20} 1.448	1 lt $\approx$ 0.84 kg	100 ml 22. —	500 ml 90. —	
68860	4-Methylpiperidine (γ -Pipicoline) 3/1a; 13° $\text{NHCH}_2\text{CH}_2\text{CH}(\text{CH}_3)\text{CH}_2\text{CH}_2$ $\text{C}_6\text{H}_{13}\text{N}$ M_r 99.18 [626-58-4] purum >99% (GC); B.P. 122-126°; d_4^{20} 0.838; n_D^{20} 1.446	1 lt $\approx$ 0.84 kg	100 ml 16. —	500 ml 67. —	
	1-Methyl-3-piperidinemethanol see 55710 3-Hydroxymethyl-1-methylpiperidine				
	1-Methyl-3-piperidinol see 55750 3-Hydroxy-1-methylpiperidine				
	1-Methyl-4-piperidinol see 55760 4-Hydroxy-1-methylpiperidine				
68880	1-Methyl-4-piperidone 3/4; 58° $\text{CH}_3\text{NCH}_2\text{CH}_2\text{COCH}_2\text{CH}_2$ $\text{C}_6\text{H}_{11}\text{NO}$ M_r 113.16 [1445-73-4] pract. $\sim$ 97% (GC); B.P. 55-60°; d_4^{20} 0.972; n_D^{20} 1.461; store in refrigerator	1 lt $\approx$ 0.97 kg	100 ml 25. —	500 ml 85. —	
	1-Methyl-4-piperidyl benzhydryl ether hydrochloride see 43110 4-Diphenylmethoxy-1-methylpiperidine hydrochloride				
80920	Methyl pivalate 3/1a; 7° $(\text{CH}_3)_3\text{CCOOCH}_3$ $\text{C}_6\text{H}_{12}\text{O}_2$ M_r 116.16 [598-98-1] puriss. >99% (GC); B.P. 99-102°; d_4^{20} 0.873; n_D^{20} 1.391; store in refrigerator	1 lt $\approx$ 0.87 kg	100 ml 18. —	500 ml 75. —	
58340	2-Methylpropane (Isobutane) 2/6 $(\text{CH}_3)_3\text{CH}$ C_4H_{10} M_r 58.12 [75-28-5] puriss. >99.9% (GC) + Butane; d_4^{20} 0.557	1 lt $\approx$ 0.56 kg		Ampouls of 25 ml 60. —	
58351	2/17a	Pressure tin with 250 ml, net $\sim$ 140 g		35. — (Reg. valve 83547)	
58356		Cyl. with 19 lt, net $\sim$ 10.3 kg		850. —	
	N-Methyl-1,3-propanediamine see 65690 3-Methylaminopropylamine				
58590	2-Methyl-1-propanethiol (Isobutylmercaptan) 3/1a; -10° $(\text{CH}_3)_2\text{CHCH}_2\text{SH}$ $\text{C}_4\text{H}_{10}\text{S}$ M_r 90.19 [513-44-0] purum >98% (GC); B.P. 87-90°; d_4^{20} 0.835; n_D^{20} 1.440	1 lt $\approx$ 0.84 kg	100 ml 13. —	500 ml 55. —	
20230	2-Methyl-2-propanethiol (tert-Butyl mercaptan) 3/1a; -10° $(\text{CH}_3)_3\text{CSH}$ $\text{C}_4\text{H}_{10}\text{S}$ M_r 90.19 [75-66-1] purum $\sim$ 98% (GC); B.P. 62-64°; d_4^{20} 0.795; n_D^{20} 1.422	1 lt $\approx$ 0.79 kg	100 ml 8. —	500 ml 26. —	
	2-Methyl-1-propanol see 58450 Isobutyl alcohol				
	2-Methyl-2-propanol see 19460 tert-Butyl alcohol				
58542	2-Methylpropene (Isobutylene) 2/6 $(\text{CH}_3)_2\text{C}:\text{CH}_2$ C_4H_8 M_r 56.11 [115-11-7] puriss. >99.8% (GC) + Isobutane + 1-Butene purum >99% (GC) + Isobutane + 1-Butene	Cyl. with 0.5 lt, net $\sim$ 200 g		720. —	
58551	2/17a	Pressure tin with 250 ml, net $\sim$ 150 g		250 ml 25. — (Reg. valve 83547)	
58552		Cyl. with 7 lt, net $\sim$ 3.6 kg	400. —	(price of gas 220. —)	
58554		Cyl. with 12 lt, net $\sim$ 6 kg	530. —	(price of gas 340. —)	
58556		Cyl. with 27 lt, net $\sim$ 14 kg	640. —	(price of gas 400. —)	
58558		Cyl. with 52 lt, net $\sim$ 27 kg	900. —	(price of gas 650. —)	
	2-Methyl-2-propenal see 64030 Methacrolein				
	2-Methyl-2-propen-1-ol see 64220 β -Methallyl alcohol				
	(2-Methylpropenyl)benzene see 68720 2-Methyl-1-phenyl-1-propene				
	Methyl propenyl carbinol see 77030 3-Penten-2-ol (cis + trans)				
81863	Methyl propiolate pract. >99% (GC); B.P. 98-101°; d_4^{20} 1.006; n_D^{20} 1.409 $\text{HC}\equiv\text{CCOOCH}_3$ $\text{C}_4\text{H}_4\text{O}_2$ M_r 84.08 [922-67-8]	1 lt $\approx$ 1.01 kg	5 ml 15. —	25 ml 63. —	

sFr.

sFr.

2-Methylpropionaldehyde see 58670 Isobutyraldehyde

81990 **Methyl propionate** purum >99%(GC); B.P. 78-80°; d_4^{20} 0.915; n_D^{20} 1.377 1 lt ≈ 0.92 kg 250 ml 17. — 1 lt 60. —
3/1a; -2° $\text{CH}_3\text{CH}_2\text{COOCH}_3$ $\text{C}_4\text{H}_8\text{O}_2$ M_r 88.11 [554-12-1]

2-Methylpropionic acid see 58360 Isobutyric acid

Methyl propyl carbinol see 76940 2-Pentanol

Methyl propyl ketone see 68950 2-Pentanone

2-Methyl-2-propyl-1,3-propanediol [2,2-Bis(hydroxymethyl)pentane]
 $\text{CH}_3\text{C}(\text{CH}_2\text{OH})_2\text{CH}_2\text{CH}_2\text{CH}_3$ $\text{C}_7\text{H}_{16}\text{O}_2$ M_r 132.20 [78-26-2]

68960 purum M.P. 58-59° 100 g 12. — 500 g 50. —

2-Methylpseudourea sulfate see 67714 O-Methylisourea hydrogen sulfate

68990 **6-Methylpurine** purum M.P. 235-237° 100 mg 16. — 500 mg 67. —
 $\text{C}_8\text{H}_6\text{N}_4$ M_r 134.14 [2004-03-7]

69000 **2-Methylpyrazine** purum >99%(GC); B.P. 134-136°; d_4^{20} 1.026; n_D^{20} 1.504 1 lt ≈ 1.03 kg 25 ml 20. — 100 ml 70. —
3/3; 50° $\text{CH}_3\text{C}:\text{NCH}:\text{CHN}:\text{CH}$ $\text{C}_5\text{H}_6\text{N}_2$ M_r 94.12 [109-08-0]

2-Methylpyridine see 80221 2-Picoline (α)

3-Methylpyridine see 80230 3-Picoline (β)

4-Methylpyridine see 80240 4-Picoline (γ)

1-Methylpyridinium-2-carboxaldoxime-iodide (PAM; 2-Pyridinealdoxime methoiodide)
 $\text{CH}_3\text{N}(\text{I}):\text{CHCH}:\text{CHCH}:\text{CCH}:\text{NOH}$ $\text{C}_7\text{H}_9\text{IN}_2\text{O}$ M_r 264.07 [94-63-3]

69050 purum >98%(I); M.P. 226-227° dec.; store in refrigerator 10 g 12. — 50 g 50. —

69070 **1-Methylpyridinium-2-carboxaldoxime methanesulfonate** purum
 $\text{CH}_3\text{N}(\text{CH}_3\text{SO}_3):\text{CHCH}:\text{CHCH}:\text{CCH}:\text{NOH}$ $\text{C}_8\text{H}_{12}\text{N}_2\text{O}_4\text{S}$ M_r 232.26 [1200-55-1] 10 g 16. — 50 g 67. —

2-(6-Methyl-2-pyridyl)ethanol see 54395 2-(2-Hydroxyethyl)-6-methylpyridine

Methyl 2-pyridyl ether see 65330 2-Methoxypyridine

Methyl 2-, 3- and 4-pyridyl ketone see 01430, 01440 and 01450 2-, 3- and 4-Acetylpyridine

69080 **4-Methylpyrimidine** purum >97%(GC); B.P. 113-114°; d_4^{20} 1.026; n_D^{20} 1.495 1 lt ≈ 1.03 kg 5 ml 32. — 25 ml 135. —
6.1/21 $\text{N}:\text{CHN}:\text{C}(\text{CH}_3)\text{CH}:\text{CH}$ $\text{C}_5\text{H}_6\text{N}_2$ M_r 94.12 [3438-46-8]

69090 **5-Methylpyrimidine** purum >98%(GC); M.P. 25-30°; B.P. 151° (Lit.) 1 lt ≈ 1.02 kg 50 ml 24. — 250 ml 100. —
6.1/21 $\text{N}:\text{CHN}:\text{CHC}(\text{CH}_3):\text{CH}$ $\text{C}_5\text{H}_6\text{N}_2$ M_r 94.12 [2036-41-1]

Methyl 2-pyrone-3-carboxylate

$\text{COOCH}:\text{CHCH}:\text{C}(\text{COOCH}_3)$ $\text{C}_7\text{H}_6\text{O}_4$ M_r 154.12 [25991-27-9]

83197 purum >99%(GC); M.P. 75-77°; B.P. 146-148° (Lit.); Intermediate for cycloaddition reactions: T. A. Bryson, D. M. Donelson, J. Org. Chem. 42, 2930 (1977) 5 g 32. — 25 g 135. —

69100 **1-Methylpyrrole** purum >98%(GC); B.P. 108-111°; d_4^{20} 0.907; n_D^{20} 1.487 1 lt ≈ 0.91 kg 100 ml 20. — 500 ml 75. —
3/3; 35° $\text{CH}_3\text{NCH}:\text{CHCH}:\text{CH}$ $\text{C}_5\text{H}_7\text{N}$ M_r 81.11 [96-54-8]

1-Methylpyrrole-2-carboxaldehyde

$\text{CH}_3\text{NC}(\text{CHO}):\text{CHCH}:\text{CH}$ $\text{C}_6\text{H}_7\text{NO}$ M_r 109.13 [1192-58-1]

69101 pract. ~97%(GC); B.P. 192-194°; d_4^{20} 1.074; n_D^{20} 1.557 1 lt ≈ 1.07 kg 10 ml 18. — 50 ml 75. —

69105 **1-Methylpyrrole-2-carboxylic acid** purum >97%(T); M.P. 134-135° dec. 5 g 18. — 25 g 67. —
 $\text{CH}_3\text{NCH}:\text{CHCH}:\text{C}(\text{COOH})$ $\text{C}_6\text{H}_7\text{NO}_2$ M_r 125.13 [6973-60-0]

69110 **1-Methylpyrrolidine** puriss. >99%(GC); B.P. 76-80°; d_4^{20} 0.805; n_D^{20} 1.425 1 lt ≈ 0.81 kg 100 ml 15. — 500 ml 63. —
3/1a; 3° $\text{CH}_3\text{N}(\text{CH}_2)_3\text{CH}_2$ $\text{C}_5\text{H}_{11}\text{N}$ M_r 85.15 [120-94-5]

1-Methyl-2-pyrrolidone

3/4; 95° $\text{CH}_3\text{N}(\text{CH}_2)_3\text{CO}$ $\text{C}_5\text{H}_9\text{NO}$ M_r 99.13 [872-50-4]

69118 puriss. p.a. >99%(GC); B.P. 78-79°; d_4^{20} 1.032; 1 lt ≈ 1.03 kg 250 ml 10. — 1 lt 32. — 2.5 lt 70. —
 n_D^{20} 1.470

69120 purum >99%(GC); B.P. 202-204°; d_4^{20} 1.032; 1 lt ≈ 1.03 kg 100 ml 7. — 500 ml 11. — 2.5 lt 46. —
 n_D^{20} 1.470

Methyl pyruvate

3/3; 47° $\text{CH}_3\text{COCOOCH}_3$ $\text{C}_4\text{H}_6\text{O}_3$ M_r 102.09 [600-22-6]

15980 purum ~97%(GC); B.P. 134-137°; d_4^{20} 1.11; n_D^{20} 1.404; 1 lt ≈ 1.11 kg 25 ml 14. — 100 ml 50. —
store in refrigerator

			sFr.	sFr.
	2-Methylquinoline see 22540 Quinaldine			
	4-Methylquinoline see 61810 Lepidine			
	6-Methylquinoline (p-Toluquinoline) $\text{CH}_3\text{C}_6\text{H}_3\text{CH:CHCH:N}$ $\text{C}_{10}\text{H}_9\text{N}$ M_r 143.19 [91-62-3] purum $\sim 99\%$ (GC); B.P. 256-258°; d_4^{20} 1.067; n_D^{20} 1.613			
66180		1 lt $\approx$ 1.07 kg	25 ml 16. —	100 ml 55. —
	7-Methylquinoline (m-Toluquinoline) $\text{CH}_3\text{C}_6\text{H}_3\text{CH:CHCH:N}$ $\text{C}_{10}\text{H}_9\text{N}$ M_r 143.19 [612-60-2] techn. $\sim 70\%$ (GC); d_4^{20} 1.068; n_D^{20} 1.615; contains also $\sim 30\%$ 5-Methylquinoline			
66191		1 lt $\approx$ 1.07 kg	1 ml 14. —	5 ml 60. —
	8-Methylquinoline (o-Toluquinoline) $\text{CH}_3\text{C}_6\text{H}_3\text{CH:CHCH:N}$ $\text{C}_{10}\text{H}_9\text{N}$ M_r 143.19 [611-32-5] purum $> 99\%$ (GC); B.P. 245-248°; d_4^{20} 1.073; n_D^{20} 1.615			
66200		1 lt $\approx$ 1.07 kg	10 ml 18. —	50 ml 75. —
	2-Methyl-4- and -8-quinolinol see 55020 and 55040 4- and 8-Hydroxyquinaldine			
	2-Methylquinoxaline purum B.P. 109-113°; d_4^{20} 1.114 $\text{C}_8\text{H}_4\text{N:C(CH}_3\text{)CH:N}$ $\text{C}_9\text{H}_8\text{N}_2$ M_r 144.18 [7251-61-8]			
66220		1 lt $\approx$ 1.11 kg	10 ml 16. —	50 ml 67. —
	Methyl Red [C.I. Nr. 13020; Sch. Nr. 250] (4-Dimethylaminoazobenzene-2'-carboxylic acid) 4-(CH_3) ₂ NC ₆ H ₄ N:NC ₆ H ₄ -2-COOH $\text{C}_{15}\text{H}_{15}\text{N}_3\text{O}_2$ M_r 269.31 [493-52-7] Standard Fluka Indicator pH 4.4-6.2			
69130		25 g 7. —	100 g 18. —	500 g 75. —
	Methyl Red Sodium salt [C.I. Nr. 13020; Sch. Nr. 250] (4-Dimethylaminoazobenzene-2'-carboxylic acid Sodium salt) 4-(CH_3) ₂ NC ₆ H ₄ N:NC ₆ H ₄ -2-COONa $\text{C}_{15}\text{H}_{14}\text{N}_3\text{NaO}_2$ M_r 291.29 Standard Fluka			
69140			25 g 10. —	100 g 32. —
	2-Methylresorcinol see 37960 2,6-Dihydroxytoluene			
	5-Methylresorcinol see 75420 Orcine Monohydrate			
	Methyl salicylate ("Wintergreen oil") $\text{HOC}_6\text{H}_4\text{COOCH}_3$ $\text{C}_8\text{H}_8\text{O}_3$ M_r 152.15 [119-36-8] purum Ph. Eur.; $> 99\%$ (GC); M.P. -10--5°; B.P. 92-95°; d_4^{20} 1.183; n_D^{20} 1.536			
84330		1 lt $\approx$ 1.18 kg	250 ml 7. —	1 lt 18. —
	O-Methylsalicylic acid see 64790 2-Methoxybenzoic acid			
	3-Methylsalicylic acid (o-Cresotinic acid; 2-Hydroxy-3-methylbenzoic acid; 2-Hydroxy-m-toluylic acid) $\text{CH}_3\text{C}_6\text{H}_3(\text{OH})\text{COOH}$ $\text{C}_8\text{H}_8\text{O}_3$ M_r 152.15 [83-40-9] pract. $\sim 99\%$ (T); M.P. 163-165°			
61100			250 g 12. —	1 kg 40. —
	4-Methylsalicylic acid (m-Cresotinic acid; 2-Hydroxy-4-methylbenzoic acid; 2-Hydroxy-p-toluylic acid) $\text{CH}_3\text{C}_6\text{H}_3(\text{OH})\text{COOH}$ $\text{C}_8\text{H}_8\text{O}_3$ M_r 152.15 [50-85-1] purum $\sim 99\%$ (T); M.P. 173-177°			
61105			100 g 20. —	500 g 85. —
	Methyl stearate $\text{CH}_3(\text{CH}_2)_{16}\text{COOCH}_3$ $\text{C}_{19}\text{H}_{38}\text{O}_2$ M_r 298.51 [112-61-8] puriss. Standard for GC; $> 99.5\%$ (GC); M.P. 37-39.5° puriss. $> 99\%$ (GC); M.P. 37-39° techn. M.P. 32-37°; contains 50% Methyl palmitate			
85769			5 g 21. —	
85770			10 g 22. —	50 g 90. —
85773			1 kg 25. —	
	trans-β-Methylstyrene see 78970 trans-1-Phenyl-1-propene			
	2-Methylstyrene (2-Vinyltoluene) 3/3; 58° $\text{CH}_3\text{C}_6\text{H}_4\text{CH:CH}_2$ C_9H_{10} M_r 118.18 [611-15-4] purum $> 97\%$ (GC); B.P. 169-171°; d_4^{20} 0.912; n_D^{20} 1.544; store in refrigerator			
69180		1 lt $\approx$ 0.91 kg	5 ml 21. —	25 ml 90. —
	3-Methylstyrene (3-Vinyltoluene) 3/3; 52° $\text{CH}_3\text{C}_6\text{H}_4\text{CH:CH}_2$ C_9H_{10} M_r 118.18 [100-80-1] pract. $> 97\%$ (GC); B.P. 164° (Lit.); d_4^{20} 0.902; n_D^{20} 1.539; store in refrigerator			
69191		1 lt $\approx$ 0.90 kg	5 ml 26. —	
	4-Methylstyrene (4-Vinyltoluene) 3/3; 46° $\text{CH}_3\text{C}_6\text{H}_4\text{CH:CH}_2$ C_9H_{10} M_r 118.18 [622-97-9] purum stab. with 0.1% Hydroquinone; $> 99\%$ (GC); B.P. 160°; d_4^{20} 0.895; n_D^{20} 1.542; store in refrigerator			
69200		1 lt $\approx$ 0.90 kg	5 ml 21. —	25 ml 90. —
	Methylstyrene (mixture of isomers) see 95070 Vinyltoluene			

					sFr.	sFr.
	α-Methylstyrene monomer (Isopropenylbenzene; 2-Phenyl-propene)					
	3/3; 46° C ₉ H ₈ C(CH ₃):CH ₂ C ₉ H ₁₀ M _r 118.18 [98-83-9]					
69170	purum >98%(GC); B.P. 164-168°; d ₄ ²⁰ 0.909; n _D ²⁰ 1.538; stab. with 25 ppm 4-tert-Butylcatechol; store in refrigerator				1 lt ≈ 0.91 kg	250 ml 8. — 1 lt 22. —
	Methyl styryl ketone see 11960 Benzalacetone					
	mono-Methyl succinate					
	CH ₃ OCOCH ₂ CH ₂ COOH C ₆ H ₈ O ₄ M _r 132.12 [3878-55-5]					
14193	pract. >90%(GC); <2% Dimethyl succinate; rest Succinic anhydride; M.P. 54-57°				25 g 17. —	100 g 60. —
65910	Methylsuccinic acid puriss. >99%(T); M.P. 114-116° HOOCCH ₂ CH(CH ₃)COOH C ₆ H ₈ O ₄ M _r 132.12 [498-21-5]				25 g 9. —	100 g 30. —
	Methyl succinyl chloride see 14195 3-Carbomethoxypropionyl chloride					
	Methyl sulfide (Dimethyl sulfide)					
	3/1a; -25° (CH ₃) ₂ S C ₂ H ₆ S M _r 62.13 [75-18-3]					
41624	puriss. >99.5%(GC); B.P. 36-37°; d ₄ ²⁰ 0.847; n _D ²⁰ 1.435				1 lt ≈ 0.85 kg	100 ml 25. — 500 ml 105. —
41625	purum >98%(GC); B.P. 36-37°; d ₄ ²⁰ 0.847; n _D ²⁰ 1.435				1 lt ≈ 0.85 kg	250 ml 8. — 1 lt 22. —
	Methyl sulfit (Dimethyl sulfit)					
	3/3; 38° (CH ₃ O) ₂ SO C ₂ H ₆ O ₃ S M _r 110.13 [616-42-2]					
41627	purum >97%(GC); B.P. 121-124°; d ₄ ²⁰ 1.210; n _D ²⁰ 1.409				1 lt ≈ 1.21 kg	100 ml 35. —
	3-Methylsulfolane (3-Methyltetrahydrothiophene-1,1-dioxide)					
	CH ₂ CH(CH ₃)CH ₂ CH ₂ SO ₂ C ₅ H ₁₀ O ₂ S M _r 134.20 [872-93-5]					
69210	purum >98%(GC); M.P. ~0°; d ₄ ²⁰ 1.193; n _D ²⁰ 1.477				1 lt ≈ 1.19 kg	10 ml 8. — 50 ml 29. —
69225	Methylsulfonazo III p.a. C ₂₄ H ₁₈ N ₄ O ₁₇ S ₅ M _r 794.75				1 g 25. —	5 g 105. —
	Methyl sulfone (Dimethylsulfone; Methyl sulfonylmethane)					
	(CH ₃) ₂ SO ₂ C ₂ H ₆ O ₂ S M _r 94.13 [67-71-0]					
41631	purum >98%(S); M.P. 107-109°				250 g 24. —	1 kg 90. —
	2-(Methylsulfonyl)-ethyl-p-nitrophenyl carbonate					
	C ₁₉ H ₁₁ NO ₇ S M _r 177.27					
69227	puriss. M.P. 100-103°; For the introduction of the MSOC-group, a versatile amino protective function with an extreme acid stability, a high base lability and a high polarity which enhances solubility in polar solvents. The group resists hydrogenation but does not poison the catalyst: G.I. Tesser, I.C. Balvert-Geers, Int. J. Peptide Protein. Res. 7, 295 (1975); A. Eberle et al., Helv. 58, 2106 (1975); ibid. 60, 2895 (1977)				1 g 9. —	5 g 34. — 100 g 440. —
	2-Methylsulfonylethanol see 54402 2-Hydroxyethyl methyl sulfone					
	1-Methylsulfonylimidazole see 64298 1-Methanesulfonylimidazole					
	Methyl sulfoxide (Dimethyl sulfoxide)					
	(CH ₃) ₂ SO C ₂ H ₆ OS M _r 78.13 [67-68-5]					
41640	puriss. p.a. M.P. 18-20°; B.P. 117-73°; d ₄ ²⁰ 1.100; n _D ²⁰ 1.479				1 lt ≈ 1.10 kg	100 ml 7. — 500 ml 13. — 1 lt 25. —
	Fluka-Guarantee:					
	Assay (GC)	>99.5 %	Copper (Cu)	<0.00001%		
	Water (H ₂ O)	<0.2 %	Lead (Pb)	<0.00001%		
	Residue on evaporation	<0.005 %	Cadmium (Cd)	<0.00001%		
	H ₂ SO ₄ -Probe	passes test	Zinc (Zn)	<0.00001%		
	Iron (Fe)	<0.00005%				
41641	for UV-Spectroscopy				1 lt ≈ 1.10 kg	250 ml 11. — 1 lt 38. —
	Fluka-Guarantee:					
	Layer thickness 1 cm; Reference cell: Water					
	Wave length (nm):	265 270 280 290 300 320 340 360				
	Transmittance in %:	10 32 58 71 81 92 97 >99				
41650	purum >99%(GC); M.P. 16-19°; d ₄ ²⁰ 1.100; n _D ²⁰ 1.479; water <0.3%				1 lt ≈ 1.10 kg	1 lt 20. — 5 lt 85. —
	Methylsulfoxide-d₆ (Hexadeuterodimethylsulfoxide)					
	(CD ₃) ₂ SO C ₂ D ₆ OS M _r 84.17 [2206-27-1]					
52414	puriss. >99.95 Atom% D				1 lt ≈ 1.19 kg	1 ml 20. — 10 ml 120. —
52415	puriss. >99.95 Atom% D				1 lt ≈ 1.19 kg	Package of 10 × 0.5 ml 80. —
52420	puriss. >99.5 Atom% D; <0.1% H ₂ O + D ₂ O (with Fluka-Guarantee)				1 lt ≈ 1.19 kg	25 ml 70. — 100 ml 255. —



			sFr.	sFr.
	17α-Methyltestosterone (17 α -Methyl-4-androsten-17 β -ol-3-one) C ₂₀ H ₃₀ O ₂ M _r 302.46 [58-18-4]			
69240	purum USP and Ph. Eur.; >99%(HPLC); M.P. 164-165°; [α] _D ²⁰ +87 $\pm$ 3°; [α] _D ²⁰ +75 $\pm$ 3° (c = 1 in Dioxane)		5 g	21. —
	Methyl tetradecyl carbinol see 52260 2-Hexadecanol			
	2-Methyl-1,2,3,6-tetrahydrobenzaldehyde (cis + trans) (4-Formyl-5-methyl-1-cyclohexene; 3/3; 54° 6-Methyl-3-cyclohexene-1-carboxaldehyde) CH ₃ CHCH ₂ CH:CHCH ₂ CHCHO C ₈ H ₁₂ O M _r 124.18 [17775-58-5]			
69265	pract.	1 lt $\approx$ 0.95 kg	100 ml	20. — 500 ml 85. —
	2-Methyltetrahydrofuran (Tetrahydrosilvan) 3/1a; -12° Q(CH ₂) ₃ CHCH ₃ C ₅ H ₁₀ O M _r 86.14 [96-47-9]			
69272	purum >99%(GC); stab. with 0.1% Hydroquinone; B.P. 77-79°; d ₄ ²⁰ 0.853; n _D ²⁰ 1.405; store in refrigerator	1 lt $\approx$ 0.85 kg	100 ml	13. — 500 ml 55. —
69280	3-Methyltetrahydrofuran purum 3/1a; -12° QCH ₂ CH(CH ₃)CH ₂ CH ₂ C ₅ H ₁₀ O M _r 86.14 [13423-15-9]	1 lt $\approx$ 0.86 kg	25 ml	35. — 100 ml 130. —
	8a-Methyl-3,4,8,8a-tetrahydro-1,6(2H,7H)-naphthalenedione [9-Methyl-5(10)-octaline- 1,6-dione] C ₁₁ H ₁₄ O ₂ M _r 178.23 [2007-72-1]			
68168	purum M.P. 49-51°; B.P. _{0.05} 109-115° (Lit.); store in refrigerator		5 g	55. —
	3-Methyltetrahydrothiophene-1,1-dioxide see 69210 3-Methylsulfolane			
	2-Methyl-2-thiazoline SC(CH ₃):NCH ₂ CH ₂ C ₄ H ₇ NS M _r 101.17 [2346-00-1]			
69320	purum >97%(GC); B.P. 140-144°; d ₄ ²⁰ 1.077; n _D ²⁰ 1.520	1 lt $\approx$ 1.08 kg	10 ml	11. — 50 ml 44. —
	Methyl 2- and 3-thienyl ketone see 01490 and 01492 2- and 3-Acetylthiophene			
	Methylthio... see also Methylmercapto...			
	(Methylthio)acetic acid [(Methylmercapto)acetic acid] 3/4 CH ₃ SCH ₂ COOH C ₃ H ₆ O ₂ S M _r 106.15 [2444-37-3]			
69330	purum >98%(GC); M.P. 13-14°; B.P. ₄ 99-100°; d ₄ ²⁰ 1.219; n _D ²⁰ 1.495; An Acyl anion equivalent: B. M. Trost, Y. Tamaru, J. Am. Chem. Soc. 99, 3101 (1977); Review: B. M. Trost, Chem. Rev. 78, 363 (1978)	1 lt $\approx$ 1.22 kg	5 ml	24. — 25 ml 100. —
	2-(Methylthio)ethanol (2-Hydroxyethyl methylsulfide; 2-Methylmercapto-ethanol) CH ₃ SCH ₂ CH ₂ OH C ₃ H ₈ OS M _r 92.16 [5271-38-5]			
54400	purum >98%(GC); B.P. 169-171°; d ₄ ²⁰ 1.060; n _D ²⁰ 1.494; For the preparation of N-[2-(methylthio)ethoxycarbonyl]-amino acids (MTC-amino acids) which are useful intermediates for peptide synthesis: H. Kunz, Chem. Ber. 109, 3693 (1976)	1 lt $\approx$ 1.06 kg	25 ml	16. — 100 ml 55. —
	Methyl thioglycolate 3/4; 56° HSCH ₂ COOCH ₃ C ₃ H ₆ O ₂ S M _r 106.14 [2365-48-2]			
88770	purum >99%(GC); B.P. 146-149°; d ₄ ²⁰ 1.170; n _D ²⁰ 1.466	1 lt $\approx$ 1.17 kg	100 ml	9. — 500 ml 34. —
69360	2-Methylthiophene pract. >97%(GC); B.P. 110-113°; d ₄ ²⁰ 1.019; n _D ²⁰ 1.520 3/1a; 8° SCH:CHCH:CH ₂ C ₅ H ₆ S M _r 98.17 [554-14-3]	1 lt $\approx$ 1.02 kg	25 ml	20. — 100 ml 80. —
69370	3-Methylthiophene purum >98%(GC); B.P. 114-117°; d ₄ ²⁰ 1.022; n _D ²⁰ 1.520 3/1a; 12° SCH:C(CH ₃)CH:CH C ₅ H ₆ S M _r 98.17 [616-44-4]	1 lt $\approx$ 1.02 kg	25 ml	18. — 100 ml 65. —
	5-Methylthiophene-2-carboxaldehyde SC(CH ₃):CHCH:CHO C ₆ H ₆ OS M _r 126.18 [13679-70-4]			
69380	purum >98%(GC); B.P. ₁ 50°; d ₄ ²⁰ 1.155; n _D ²⁰ 1.582	1 lt $\approx$ 1.16 kg	5 ml	15. — 25 ml 46. —
	(Methylthio)trimethylsilane (Methyl trimethylsilyl sulfide) 3/3; 22° CH ₃ SSi(CH ₃) ₃ C ₄ H ₁₂ SSi M _r 120.29 [3908-55-2]			
92758	purum >98%(GC); B.P. 115-117°; d ₄ ²⁰ 0.848; n _D ²⁰ 1.451; Reagent for the thioacetalisation of carbonyl compounds: D. A. Evans et al., J. Am. Chem. Soc. 99, 5009 (1977)	1 lt $\approx$ 0.85 kg	5 ml	37. —
	4(6)-Methyl-2-thiouracil (4-Hydroxy-2-mercapto-6-methylpyrimidine; 4-Hydroxy-6-methyl- 2-thiopyrimidine) N:C(SH)N:C(OH)CH:CH ₂ C ₅ H ₆ N ₂ OS M _r 142.18 [56-04-2]			
69400	purum USP; >98%(S); M.P. $\sim$ 330° dec.		100 g	10. — 500 g 40. —

			sFr.	sFr.
69350	N-Methylthiourea purum >98%(S); M.P. 118-121° $\text{NH}_2\text{CSNHCH}_3$ $\text{C}_2\text{H}_6\text{N}_2\text{S}$ M_r 90.15 [598-52-7]		25 g 17. —	100 g 60. —
	Methylthymol Blue Sodium salt [Thymolsulfonphthalein-3',3''-bis(methyl iminodiacetic acid Disodium salt) $\text{C}_{37}\text{H}_{44}\text{N}_2\text{Na}_4\text{O}_{13}\text{S}$ M_r 844.76 [1945-77-3]			
69410	p.a. Indicator for Complexometry; R. Pribil, Complexometry I, 42 (1960)		1 g 10. —	5 g 42. —
89920	Methyl m-toluate purum 3/4; 91° $\text{CH}_3\text{C}_6\text{H}_4\text{COOCH}_3$ $\text{C}_9\text{H}_{10}\text{O}_2$ M_r 150.18 [99-36-5]	1 lt $\approx$ 1.06 kg	50 ml 18. —	250 ml 75. —
89930	Methyl p-toluate purum >99%(GC); M.P. 32-34°; B.P. 217° (Lit.) 3/4; 89° $\text{CH}_3\text{C}_6\text{H}_4\text{COOCH}_3$ $\text{C}_9\text{H}_{10}\text{O}_2$ M_r 150.18 [99-75-2]		250 g 14. —	1 kg 50. —
	Methyl 4-toluenesulfonate $\text{CH}_3\text{C}_6\text{H}_4\text{SO}_2\text{OCH}_3$ $\text{C}_8\text{H}_{10}\text{O}_3\text{S}$ M_r 186.23 [80-48-8]			
89800	techn. >96%; M.P. 22-26°; B.P. 168-170° (Lit.); d_4^{20} 1.23; store in refrigerator	1 lt $\approx$ 1.23 kg	250 ml 21. —	1 lt 75. —
	N-Methyl-4-toluenesulfonitrosamide see 73970 N-Nitroso-N-methyl-4-toluenesulfonamide			
89818	S-Methyl 4-toluenethiosulfonate purum M.P. 57-58° $\text{C}_8\text{H}_{10}\text{O}_2\text{S}_2$ M_r 202.30 [4973-66-4]		5 g 32. —	
	Methyl p-tolyl carbinol see 90000 1-(p-Tolyl)-ethanol			
	Methyl tolyl ketone see Methylacetophenone			
	N-Methyl-N-(tolyl-4-sulfonyl)-nitrosamide see 73970 N-Nitroso-N-methyl-4-toluene sulfonamide			
	3-Methyl-1-(4-tolyl)triazene $\text{CH}_3\text{C}_6\text{H}_4\text{N:NNHCH}_3$ $\text{C}_8\text{H}_{11}\text{N}_3$ M_r 149.20 [21124-13-0]			
69428	purum >98%(N); M.P. 77-80° dec.; Review: K. Vaughan, M. F. G. Stevens, Chem. Soc. Rev. 7, 377 (1978)		5 g 21. —	25 g 90. —
63641	Methyl triacontanoate purum >97%(GC); M.P. 72-72.5° $\text{CH}_3(\text{CH}_2)_{28}\text{COOCH}_3$ $\text{C}_{31}\text{H}_{62}\text{O}_2$ M_r 466.84 [629-83-4]		250 mg 31. —	1 g 115. —
	Methyltributylammonium salts see Tributylmethylammonium salts			
	Methyl trichloroacetate 3/4; 85° $\text{Cl}_3\text{CCOOCH}_3$ $\text{C}_3\text{H}_3\text{Cl}_3\text{O}_2$ M_r 177.42 [598-99-2]			
91270	puriss. >99.5%(GC); B.P. 49-50°; d_4^{20} 1.487; n_D^{20} 1.457	1 lt $\approx$ 1.49 kg	100 ml 35. —	
	2-Methyl-1,1,1-trichloro-2-propanol see 91210 α,α,α -Trichloro-tert-butyl alcohol			
	Methyltrichlorosilane (Trichloromethylsilane) 8/23a; 8° CH_3SiCl_3 $\text{CH}_3\text{Cl}_3\text{Si}$ M_r 149.48 [75-79-6]			
69450	puriss. >99%(Cl); M.P. 65-66°; d_4^{20} 1.274; n_D^{20} 1.411	1 lt $\approx$ 1.27 kg	100 ml 14. —	500 ml 60. —
69452	pract. $\sim$ 97%; d_4^{20} 1.273; n_D^{20} 1.411; Dimethyldichlorsilane <3%	1 lt $\approx$ 1.27 kg	250 ml 7. —	1 lt 15. —
91480	Methyl tricosanoate puriss. >99%(GC); M.P. 53-55° $\text{CH}_3(\text{CH}_2)_{21}\text{COOCH}_3$ $\text{C}_{24}\text{H}_{48}\text{O}_2$ M_r 368.65 [2433-97-8]		250 mg 33. —	1 g 120. —
	Methyl tridecanoate $\text{CH}_3(\text{CH}_2)_{11}\text{COOCH}_3$ $\text{C}_{14}\text{H}_{28}\text{O}_2$ M_r 228.38 [1731-88-0]			
91560	purum $\sim$ 99%(GC); M.P. 6-7°; B.P. 83-84°; d_4^{20} 0.867; n_D^{20} 1.435	1 lt $\approx$ 0.87 kg	10 ml 32. —	50 ml 135. —
	Methyltriethylammonium bromide see 90485 Triethylmethylammonium bromide			
91730	Methyl trifluoroacetate purum >99%(GC); B.P. 42-44°; d_4^{20} 1.282 3/1a; -20° $\text{CF}_3\text{COOCH}_3$ $\text{C}_3\text{H}_3\text{F}_3\text{O}_2$ M_r 128.05 [431-47-0]	1 lt $\approx$ 1.28 kg	25 ml 18. —	100 ml 65. —
	Methyl trifluoromethane sulfonate 6.1/61 $\text{CF}_3\text{SO}_2\text{OCH}_3$ $\text{C}_2\text{H}_3\text{F}_3\text{O}_3\text{S}$ M_r 164.10 [333-27-7]			
91736	purum >98%(GC); B.P. 100-102°; d_4^{20} 1.496; n_D^{20} 1.326; Review: R. D. Howells, J. D. McCown, Chem. Rev. 77, 69 (1977)	1 lt $\approx$ 1.50 kg	5 ml 20. —	25 ml 67. —
	Methyltriglycol see 90450 Triethylene glycol monomethyl ether			
	6-Methyl-1,3,8-trihydroxyanthraquinone see 45170 Emodin			
	Methyl-2,6,8-trihydroxypurine see Methyluric acid			
92148	Methyl 3,4,5-trimethoxybenzoate purum >99%(GC); M.P. 81-83° $(\text{CH}_3\text{O})_3\text{C}_6\text{H}_2\text{COOCH}_3$ $\text{C}_{11}\text{H}_{14}\text{O}_6$ M_r 226.23 [1916-07-0]		50 g 18. —	250 g 75. —

			sFr.	sFr.
	N-Methyl-N-trimethylsilylacetamide (MSA; N-Trimethylsilyl-N-methylacetamide)			
69480	3/3; 48° CH ₃ CON(CH ₃)Si(CH ₃) ₃ C ₆ H ₁₅ NOSi M _r 145.28 [7449-74-3] purum >99%(GC); B.P. 159-161°; d ₄ ²⁰ 0.904; n _D ²⁰ 1.438	1 lt ≈ 0.90 kg	10 ml 18. —	50 ml 75. —
	N-Methyl-N-trimethylsilyltrifluoroacetamide , (MSTFA; N-Trimethylsilyl-N-methyltrifluoroacetamide)			
69482	3/3; 26° CF ₃ CONCH ₃ [Si(CH ₃) ₃] C ₆ H ₁₂ F ₃ NOSi M _r 199.25 [24589-78-4] pract. ~95%(GC); B.P. 130-132°; d ₄ ²⁰ 1.074; n _D ²⁰ 1.380; Powerful silylating agent: M. Donike, <i>Chromatographia</i> 9, 440 (1976); M. Donike, <i>J. Chromatogr.</i> 115, 591 (1975); M. Donike et al., <i>ibid.</i> 134, 385 (1977); H. Gleispach, <i>ibid.</i> 91, 407 (1974)	1 lt ≈ 1.07 kg	5 ml 26. —	25 ml 110. —
69483	Methyltrioctylammonium bromide pract. >95%(Br) [CH ₃ (CH ₂) ₆ CH ₂] ₃ N(Br)CH ₃ C ₂₅ H ₅₄ BrN M _r 448.62 [5137-55-3]		10 g 28. —	50 g 120. —
	Methyltrioctylammonium chloride (Trioctylmethylammonium chloride)			
69485	[CH ₃ (CH ₂) ₆ CH ₂] ₃ N(Cl)CH ₃ C ₂₅ H ₅₄ ClN M _r 404.17 [5137-55-3] pract. ~97%(Cl); <1% H ₂ O; store in refrigerator		10 g 22. —	50 g 90. —
69487	Methyltrioctylammonium iodide pract. ~95%(I); d ₄ ²⁰ 1.041 [CH ₃ (CH ₂) ₆ CH ₂] ₃ N(I)CH ₃ C ₂₅ H ₅₄ IN M _r 495.62 [35675-86-6]	1 lt ≈ 1.04 kg	100 ml 28. —	500 ml 120. —
	Methyltriphenoxyphosphonium iodide (Triphenylphosphite methiodide)			
69490	CH ₃ P(I)(OC ₆ H ₅) ₃ C ₁₉ H ₁₈ IO ₃ P M _r 452.23 [17579-99-6] pract. >95%(I); M.P. 143-147°; Reagent for the selective dehydration of secondary alcohols: C.W. Spangler, T.W. Hartford, J.C.S. Perkin I, 1792 (1976); for selective conversion of primary alcohols to iodides: L. Fieser, M. Fieser, "Reagent for Organic Synthesis" 4, 557, for the deoxygenation of epoxides to olefins: K. Yamada et al., <i>J. Org. Chem.</i> 43, 2076 (1978)		10 g 11. —	50 g 46. —
	Methyltriphenylphosphonium bromide			
69495	6.1/81a CH ₃ P(C ₆ H ₅) ₃ Br C ₁₉ H ₁₈ BrP M _r 357.25 [1779-49-3] purum ~97%(Br); M.P. 226-228° dec.; H ₂ O ~1-2%		25 g 10. —	100 g 35. —
69520	5-Methyltryptamine hydrochloride purum >98(Cl); M.P. 290-295° dec. CH ₃ C ₆ H ₃ NHCH:ÇCH ₂ CH ₂ NH ₂ ·HCl C ₁₁ H ₁₄ N ₂ ·HCl M003 210.71 [1010-95-3]		250 mg 21. —	1 g 75. —
	N_ω-Methyltryptamine (Dipterine)			
69540	C ₆ H ₄ NHCH:ÇCH ₂ CH ₂ NHCH ₃ C ₁₁ H ₁₄ N ₂ M _r 174.25 [61-49-4] purum >98%(NT); M.P. 86-88°; Ash <0.2%; store in refrigerator		100 mg 18. —	
69560	5-Methyl-DL-tryptophan puriss. CHR; ~99%(NT); M.P. ~275° dec. CH ₃ C ₆ H ₃ NHCH:ÇCH ₂ CH(NH ₂)COOH C ₁₂ H ₁₄ N ₂ O ₂ M _r 218.26 [951-55-3]		250 mg 20. —	1 g 70. —
69570	6-Methyl-DL-tryptophan purum >99%(NT); M.P. ~280° dec. CH ₃ C ₆ H ₃ NHCH:ÇCH ₂ CH(NH ₂)COOH C ₁₂ H ₁₄ N ₂ O ₂ M _r 218.26 [2280-85-5]		100 mg 20. —	
	α-Methyl-DL-tyrosine			
69577	OHC ₆ H ₄ CH ₂ C(NH ₂)(CH ₃)COOH C ₁₀ H ₁₃ NO ₃ M _r 195.22 [658-48-0] purum ~97%(NT); M.P. >300°; Ash <0.05%; store in refrigerator		1 g 25. —	5 g 105. —
	4-Methylumbelliferone (β), 4-MU (7-Hydroxy-4-methylcoumarin)			
69580	HOÇ ₆ H ₃ OCOCH:ÇCH ₃ ·H ₂ O C ₁₀ H ₈ O ₃ ·H ₂ O M _r 194.18 [90-33-5] purum >98%(HPLC); M.P. 185-188°; Indicator for the determination of nitric acid; used in 4-MU-O-substrates for the kinetic investigation of enzyme activity: H. L. Rosenthal, A. Saifer, <i>Anal. Biochem.</i> 55, 85 (1973)		100 g 12. —	500 g 50. —
	4-Methylumbelliferone-8-methyliminodiacetic acid see 21040 Calcein Blue			
	4-Methylumbelliferyl 4-guanidino benzoate			
51010	C ₁₈ H ₁₈ N ₃ O ₄ ·HCl M _r 373.80 [34197-46-7] puriss.; M.P. ~230° dec.; store in refrigerator; "Fluorogenic burst titrant for trypsin and similar enzymes": T. J. Chase and E. Shaw, <i>biochem. Biophys. Res. Commun.</i> 29, 508 (1967); G.W. Jamesch et al., <i>Biochem. J.</i> 131, 107 (1973)		1 g 60. —	
	Methyl undecanoate			
94120	CH ₃ (CH ₂) ₉ COOCH ₃ C ₁₂ H ₂₄ O ₂ M _r 200.32 [1731-86-8] puriss. >99%(GC); B.P. 247-249°; d ₄ ²⁰ 0.870; n _D ²⁰ 1.428	1 lt ≈ 0.87 kg	25 ml 17. —	100 ml 60. —
	Methyl undecyl carbinol see 91531 2-Tridecanol			
	Methyl undecyl ketone see 69620 2-Tridecanone			

			sFr.	sFr.
	4(6)-Methyluracil (2,4-Dihydroxy-6-methylpyrimidine) N:C(OH)N:C(OH)CH:ÇCH ₃ C ₆ H ₆ N ₂ O ₂ M _r 126.12 [626-48-2]			
69640	purum >97%(NT); M.P. >300°; λ _{max} 260 nm, log ε 3.97		100 g 12. —	500 g 50. —
	5-Methyluracil see 89310 Thymine			
67090	N-Methylurea purum >98%(N); M.P. 96-100°; 1 g clearly and colourless soluble in 10 ml water CH ₃ NHCONH ₂ C ₂ H ₆ N ₂ O M _r 74.08 [598-50-5]		100 g 8. —	500 g 29. —
67077	3-Methyluric acid purum >90%(T); M.P. >300°; H ₂ O 7-10% (3-Methyl-2,6,8-trihydroxypurine) C ₆ H ₆ N ₄ O ₃ .aq M _r 182.14 + aq [39717-48-1]		250 mg 55. —	1 g 200. —
67078	7-Methyluric acid purum >97%(UV); M.P. >300° (7-Methyl-2,6,8-trihydroxypurine) C ₆ H ₆ N ₄ O ₃ M _r 182.14 [30409-21-3]		250 mg 55. —	1 g 200. —
67079	9-Methyluric acid purum >97%(T); M.P. >300° (9-Methyl-2,6,8-trihydroxypurine) C ₆ H ₆ N ₄ O ₃ M _r 182.14 [30345-24-5]		250 mg 55. —	1 g 200. —
94562	Methyl n-valerate purum >99%(GC); B.P. 126-128; d ₄ ²⁰ 0.889; n _D ²⁰ 1.397 3/3; 27° CH ₃ (CH ₂) ₃ COOCH ₃ C ₈ H ₁₂ O ₂ M _r 116.16 [624-24-8]	1 lt ≈ 0.89 kg	100 ml 13. —	500 ml 55. —
	8-Methyl-N-vanillyl-trans-6-nonenamide see 21750 Capsaicine			
	Methylvinyl acetate see 00680 Isopropenyl acetate			
	Methylvinylchlorosilane see 69680 Dichloromethylvinylsilane			
	Methyl vinyl ether (Ethyl vinyl ether) 2/3ct CH ₃ OCH:CH ₂ C ₃ H ₆ O M _r 58.08 [107-25-5]			
69677	purum	Cyl. with 7 lt, net ~5 kg net	680. —	(price of gas 570. —)
	Methyl vinyl ketone see 69690 3-Buten-2-one			
	2-Methyl-5-vinylpyridine 3/4; 69° N:CHC(CH:CH ₂)CHCH:ÇCH ₃ C ₈ H ₉ N M _r 119.17 [140-76-1]			
69700	pract. stab. with 0.1% 4-tert-Butylpyrocatechol; ~96%(GC); B.P. ₁₅ 75-77° (Lit.); d ₄ ²⁰ 0.956; n _D ²⁰ 1.544; polymerizes easily; store in refrigerator	1 lt ≈ 0.96 kg	100 ml 13. —	500 ml 55. —
	Methyl Violet [C.I. Nr. 42535; Sch. Nr. 783] 6.1/21 [4-(CH ₃) ₂ NC ₆ H ₄] ₂ C:C ₆ H ₄ -4:NH(Cl)CH ₃ C ₂₄ H ₂₆ ClN ₃ M _r 393.96 [8004-87-3]			
69710	Standard Fluka Indicator pH 0.1-2.0; for Microscopy (Bact., Bot., Hist.); determination of: Ta, Zn		100 g 10. —	500 g 37. —
	Methylviolet 10 B see 61135 Crystal Violet			
	Methyl viologen see 39690 1,1'-Dimethyl-4,4'-bipyridinium dichloride			
69720	1-Methylxanthine purum ~97%(HPLC); M.P. >300° (2,6-Dihydroxy-1-methylpurine) C ₈ H ₈ N ₄ O ₂ M _r 166.14 [6136-37-4]		250 mg 50. —	1 g 175. —
69722	3-Methylxanthine purum >98%(HPLC); M.P. >300° (2,6-Dihydroxy-3-methylpurine) C ₈ H ₈ N ₄ O ₂ M _r 166.14 [1076-22-8]		250 mg 26. —	1 g 95. —
69723	7-Methylxanthine purum ~97%(UV) (2,6-Dihydroxy-7-methylpurine; Heteroxanthine) C ₈ H ₈ N ₄ O ₂ M _r 166.14 [552-62-5]		250 mg 50. —	1 g 175. —
69724	8-Methylxanthine purum M.P. >300° (2,6-Dihydroxy-8-methylpurine) C ₈ H ₈ N ₄ O ₂ M _r 166.14 [552-62-5]		250 mg 50. —	1 g 175. —
69725	9-Methylxanthine purum >98%(HPLC); M.P. >300° (2,6-Dimethoxy-9-methylpurine) C ₈ H ₈ N ₄ O ₂ M _r 166.14 [1198-33-0]		250 mg 50. —	1 g 175. —
	Methyl Yellow see 40300 Dimethyl Yellow			
	Metol (4-Methylaminophenol sulfate) (CH ₃ NHC ₆ H ₄ OH) ₂ .H ₂ SO ₄ (C ₇ H ₉ NO).H ₂ SO ₄ M _r 344.39 [55-55-0]			
69750	purum Photoquality >99%(NT); M.P. 261-263° dec.; 1 g clearly soluble in 20 ml water		100 g 11. —	500 g 44. —
69749	purum p.a. >99%(NT); Ash <0.1%		250 g 26. —	1 kg 95. —
	Metrapone see 69075 2-Methyl-1,2-di(3-pyridyl)-1-propanone			
	DL-Mevalolactone see 69761 DL-Mevalonic acid lactone			
	DL-Mevalonic acid lactone (DL-3-Hydroxy-3-methyl-δ-valerolactone; DL-Mevalolactone) ÇCH ₂ CH ₂ C(CH ₃)(OH)CH ₂ COO C ₆ H ₁₀ O ₃ M _r 130.14 [674-26-0]			
69761	purum cryst. salt free; ~98%(T); M.P. 24-27°; store in refrigerator		1 g 30. —	5 g 125. —

sFr.

sFr.

MHPG-sulfate see 69868 MOPEG-sulfate**Michlers Ketone** [4,4'-Bis(dimethylamino)benzophenone]

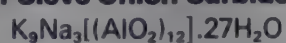
69770	puriss. p.a. for the determination of Tungsten; M.P. 173-176°; Ash <0.05%;	25 g 12.—	100 g 40.—
69772	0.5 g clearly soluble in 100 ml Ethanol purum M.P. 172-175°	100 g 12.—	500 g 42.—

Milk Sugar see 61340 D(+) -Lactose Monohydrate

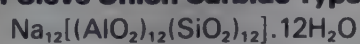
69820	Millons Reagent for the detection of proteins DAB p.a.	1 lt ≈ 1.99 kg	50 ml 18.—	250 ml 75.—
-------	---	----------------	------------	-------------

Mimosa see 88390 Thiazole Yellow G**MITC** see 67719 Methyl isothiocyanate**MMC** see 63070 Magnesium methylcarbonate

Modification of Biopolymers see "Protein Modification" green section

Molecular Sieve Union Carbide Type 3 Å

69831	1/8"-Rods, Pore diameter 3 Å	250 g 16.—	1 kg 55.—
69832	1/16"-Rods, Pore diameter 3 Å	250 g 16.—	1 kg 55.—
69833	Powder, Pore diameter 3 Å	250 g 16.—	1 kg 55.—

Molecular Sieve Union Carbide Type 4 Å

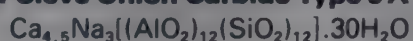
69834	1/8"-Rods, Pore diameter 4 Å	250 g 16.—	1 kg 55.—
69835	1/16"-Rods, Pore diameter 4 Å	250 g 16.—	1 kg 55.—
69836	Powder, Pore diameter 4 Å	250 g 16.—	1 kg 55.—
69837	4 × 8 mesh Balls, Pore diameter 4 Å	250 g 16.—	1 kg 55.—
69838	8 × 12 mesh Balls, Pore diameter 4 Å	250 g 16.—	1 kg 55.—
69839	14 × 30 mesh Balls, Pore diameter 4 Å	250 g 16.—	1 kg 55.—

Molecular Sieve Union Carbide Type AW300

69841	1/8"-Rods, Pore diameter 4 Å	250 g 16.—	1 kg 55.—
69842	1/16"-Rods, Pore diameter 4 Å	250 g 16.—	1 kg 55.—

Molecular Sieve Union Carbide Type AW500

69844	1/8"-Rods, Pore diameter 5 Å	250 g 16.—	1 kg 55.—
69845	1/16"-Rods, Pore diameter 5 Å	250 g 16.—	1 kg 55.—

Molecular Sieve Union Carbide Type 5 Å

69848	1/8"-Rods, Pore diameter 5 Å	250 g 16.—	1 kg 55.—
69849	1/16"-Rods, Pore diameter 5 Å	250 g 16.—	1 kg 55.—
69847	Powder, Pore diameter 5 Å	250 g 16.—	1 kg 55.—

Molecular Sieve Union Carbide Type 13X

69854	1/8"-Rods, Pore diameter 10 Å	250 g 16.—	1 kg 55.—
69855	1/16"-Rods, Pore diameter 10 Å	250 g 16.—	1 kg 55.—
69856	Powder, Pore diameter 10 Å	250 g 16.—	1 kg 55.—

Molecular Weight Marker for SDS-Polyacrylamide Gel Electrophoresis

Molecular weight range 2500-17 000

69825	Mixture of 5 peptides of known sequence with the following accurately known molecular weights: 2512, 6214, 8159, 14 404, 16 949	2 mg 35.—
-------	---	-----------

Molecular Weight Marker for SDS-Polyacrylamide Gel Electrophoresis

Molecular weight range 14 300-71 500

69826	Mixture of oligomeric peptides (based on a monomeric submit) with the accurately molecular weights: 14 300, 28 600, 42 900, 57 200, 71 500	2 mg 40.—
-------	--	-----------

Molecular Weight Marker for SDS-polyacrylamide Gel Electrophoresis

Molecular weight range 56 000-280 000

69827	Mixture of oligomeric peptides (based on a monomeric submit) with the accurate molecular weights: 56 000, 112 000, 168 000, 224 000, 280 000	2 mg 40.—
-------	--	-----------

				sFr.	sFr.
69840	Molybdenum purum powder 99.7% Mo A _r 95.94 [7439-98-7]			100 g 40. —	500 g 170. —
	Molybdenum disulfide see 69860 Molybdenum(IV) sulfide				
69875	Molybdenumhexacarbonyl purum 6.1/81i Mo(CO) ₆ C ₆ MoO ₆ M _r 264.00 [13939-06-5]			25 g 22. —	100 g 80. —
69850	Molybdenum(VI) oxide puriss. p.a. 99.7% MoO ₃ M _r 143.94 [1313-27-5]			100 g 30. —	500 g 125. —
	Molybdenum(IV) sulfide (Molybdenum disulfide) MoS ₂ M _r 160.07 [1317-33-5]				
69860	purum powder average mesh size 3-3.5 μ (max. 250-300 μ)			100 g 20. —	500 g 85. —
69858	Molybdic acid pract. ~85%; contains Ammonium molybdate			100 g 20. —	500 g 85. —
	Molybdophosphoric acid see 79560 Phosphomolybdic acid				
69865	L-Monapterin purum M.P. >300° C ₉ H ₁₁ N ₅ O ₄ M _r 253.22 [2277-42-1]			10 mg 20. —	
	DL-α-Monoacetin (rac-Glycerol 1-monoacetate) CH ₃ COOCH ₂ CH(OH)CH ₂ OH C ₅ H ₁₀ O ₄ M _r 134.13 [26446-35-5]				
49950	techn. ~50%(GC); Balance: Diacetin	1 lt ≈ 1.20 kg		250 ml 16. —	1 lt 55. —
	Monochloroacetic acid see 24510 Chloroacetic acid				
	Monoethanolamine see 02400 Ethanolamine				
	Monoethylaniline see 03040 N-Ethylaniline				
	Monomethylamine see 65568 Methylamine				
	Monomethylaniline see 65750 N-Methylaniline				
49960	DL-α-Monoolein techn. (rac-Glycerol-1-monooleate) CH ₃ (CH ₂) ₇ CH:CH(CH ₂) ₇ COOCH ₂ CHOHCH ₂ OH C ₂₁ H ₄₀ O ₄ M _r 356.55 [111-03-5]			1 kg 22. —	5 kg 90. —
	Monopotassium phosphate see 60220 Potassium dihydrogenphosphate				
	MOPEG-sulfate [MHPG-sulfate; (3-Methoxy-4-sulfonyloxyphenyl)ethyleneglycol Potassium salt] KOSO ₂ OC ₆ H ₃ (OCH ₃)CH(OH)CH ₂ OH C ₉ H ₁₁ KO ₇ S M _r 302.35				
69868	purum >99%(T); M.P. 161-162°; Metabolite of epinephrine and norepinephrine: J.L. Meek, N.H. Neff, J. Pharmacol. Exp. Ther. 184, 570 (1973)			100 mg 95. —	
	MOPS see 69949 3-Morpholino-propanesulfonic acid				
	Morin Fluka [C.I. Nr. 75660; Sch. Nr. 1366] (2',3,4',5,7-Pentahydroxyflavone) 5,7-(HO) ₂ C ₆ H ₂ OC[C ₆ H ₃ -2,4-(OH) ₂]:C(OH)CO.2H ₂ O C ₁₅ H ₁₀ O ₇ .7H ₂ O M _r 338.27 [480-16-0]				
69870	purum p.a. for Microscopy (Fl.); Determination: Al, Be, F', Sc; Fluorescent Indicator; Z. anal. Chem. 260, 306 (1972); Gravimetr. determination of Zirconium			5 g 11. —	10 g 20. — 50 g 85. —
69878	Morphanthridine-6,11-dione pract. M.P. 146-147° {Dibenz[b,e]azepine-6,11(5H)-dione} C ₁₄ H ₉ NO ₂ M _r 223.23 [1143-50-6]			100 g 18. —	500 g 75. —
	Morpholine (Tetrahydro-1,4-oxazine) 3/3; 38° NHCH ₂ CH ₂ OCH ₂ CH ₂ C ₄ H ₉ NO M _r 87.12 [110-91-8]				
69880	puriss. p.a. B.P. 127-129°; d ₄ ²⁰ 1.000; n _D ²⁰ 1.455	1 lt ≈ 1.00 kg		100 ml 8. —	500 ml 26. — 1 lt 50. —
	Fluka-Guarantee:				
	Assay (GC) >99.0 %	Copper (Cu)		<0.00001%	
	Water (H ₂ O) <0.3 %	Lead (Pb)		<0.00001%	
	Iron (Fe) <0.00005%	Cadmium (Cd)		<0.00001%	
	Cobalt (Co) <0.00001%	Zinc (Zn)		<0.00001%	
	Nickel (Ni) <0.00001%				
69882	purum >98%(GC); B.P. 124-128°; d ₄ ²⁰ 1.000; n _D ²⁰ 1.455	1 lt ≈ 1.00 kg		1 lt 26. —	2.5 lt 35. —
	4-Morpholinecarboxaldehyde see 47721 4-Formylmorpholine				
	Morpholino-N,N'-dicyclohexylguanidine see 69886 N,N'-Dicyclohexyl-4-morpholinecarboxamidine				
69890	Morpholinoacetonitrile pract. >97%(NT); M.P. 59-61° [4-(Cyanomethyl)morpholine] 6.1/21 CH ₂ CH ₂ OCH ₂ CH ₂ NCH ₂ CN C ₈ H ₁₀ N ₂ O M _r 126.16 [5807-02-3]			25 g 22. —	100 g 80. —



				sFr.	sFr.
	α-Morpholinobenzylcyanide see 69891 α-Morpholinophenylacetonitrile				
	1-Morpholinocyclohexene				
69910	$\text{CH}_2(\text{CH}_2)_3\text{CH}:\text{CNCH}_2\text{CH}_2\text{OCH}_2\text{CH}_2$ $\text{C}_{10}\text{H}_{17}\text{NO}$ M_r 167.25 [670-80-4] purum >97% (GC); B.P. 252-255°; d_4^{20} 1.020; n_D^{20} 1.514	1 lt $\approx$ 1.02 kg	50 ml 24. —	250 ml 100. —	
69920	1-Morpholinocyclooctene purum $\sim$ 99% (NT) $\text{CH}_2(\text{CH}_2)_5\text{CH}:\text{CNCH}_2\text{CH}_2\text{OCH}_2\text{CH}_2$ $\text{C}_{12}\text{H}_{21}\text{NO}$ M_r 195.31 [17344-01-3]	1 lt $\approx$ 1.00 kg	5 ml 24. —	25 ml 100. —	
	1-Morpholinocyclopentene [4-(1-Cyclopenten-1-yl)morpholine]				
69930	3/4; 64° $\text{CH}_2\text{CH}_2\text{CH}_2\text{CH}:\text{CNCH}_2\text{CH}_2\text{OCH}_2\text{CH}_2$ $\text{C}_9\text{H}_{15}\text{NO}$ M_r 153.23 [936-52-7] pract. >95% (GC); B.P. 108-110°; d_4^{20} 1.02; n_D^{20} 1.599	1 lt $\approx$ 1.02 kg	25 ml 21. —	100 ml 75. —	
	2-Morpholinoethanesulfonic acid, MES				
69892	$\text{CH}_2\text{CH}_2\text{OCH}_2\text{CH}_2\text{NCH}_2\text{CH}_2\text{SO}_3\text{H}\cdot\text{H}_2\text{O}$ $\text{C}_6\text{H}_{13}\text{NO}_4\text{S}\cdot\text{H}_2\text{O}$ M_r 213.25 [4432-31-9] puriss. p.a. >99% (T); M.P. >300°; pK (20°) 6.15; 1 g clearly soluble in 10 ml water; useful pH-range 5.8-6.5; biological buffer: N. E. Good et al., Biochemistry 5, 467 (1966)	10 g 10. —	25 g 22. —	100 g 80. —	
	4-Morpholinoethanol see 54410 4-(2-Hydroxyethyl)morpholine				
	2-Morpholinoethylamine see 06680 4-(2-Aminoethyl)morpholine				
	β-Morpholinoethyl chloride hydrochloride see 23051 4-(2-Chloroethyl)-morpholine hydrochloride				
69943	Morpholinomethylpolystyrene 2.4-2.6 meq Base/g Resin; <0.3 meq Cl/g Resin		10 g 35. —	50 g 145. —	
	α-Morpholinophenylacetonitrile (α -Morpholino-benzylcyanide; α -Phenyl-4-morpholino-6.1/21 acetonitrile)				
69891	$\text{CH}_2\text{CH}_2\text{OCH}_2\text{CH}_2\text{NCH}(\text{C}_6\text{H}_5)\text{CN}$ $\text{C}_{12}\text{H}_{14}\text{N}_2\text{O}$ M_r 202.26 [15190-10-0] purum >98% (NT); M.P. 66-69°		10 g 22. —	50 g 90. —	
	3-Morpholinopropanesulfonic acid (MOPS)				
69949	$\text{CH}_2\text{CH}_2\text{OCH}_2\text{CH}_2\text{NCH}_2\text{CH}_2\text{CH}_2\text{SO}_3\text{H}$ $\text{C}_7\text{H}_{15}\text{NO}_4\text{S}$ M_r 209.27 [1132-61-2] puriss. p.a. >99% (T); M.P. 277-280°; pK (20°) 7.2; useful pH-range 6.5-7.9		25 g 14. —	100 g 50. —	
	β-Morpholino-propionitrile see 28300 N-(2-Cyanoethyl)morpholine				
	3-Morpholino-1-propylamine see 09310 4-(3-Aminopropyl)morpholine				
	Motilin Series see 61895 13-Leucine Motiline and 74590 13-Norleucine Motiline				
	MSA see 69480 N-Methyltrimethylsilylacetamide				
	MSH see 63936 Ethyl O-mesitylenesulfonyl acethydroxamate				
	MSTFA see 69482 N-Methyl-trimethylsilyltrifluoroacetamide				
	(+)-MTPA see 65392 (+)-α-Methoxy-α-trifluoromethylphenylacetic acid				
	(-)-MTPA see 65364 (-)-α-Methoxy-α-trifluoromethylphenylacetic acid				
	MTT see 88415 Thiazolyl Blue Tetrazolium bromide				
	MTT formazane see 88417 Thiazolyl Blue formazane				
	4-MU see 69580 4-Methylumbelliferone				
	Mucic acid (Galactaric acid; Tetrahydroxyadipic acid; Tetrahydroxyhexanedioic acid)				
84660	$\text{HOOC}(\text{CHOH})_4\text{COOH}$ $\text{C}_6\text{H}_{10}\text{O}_8$ M_r 210.14 [526-99-8] purum M.P. $\sim$ 213° dec.; $[\alpha]_{540}^{20} -3.3 \pm 0.3^\circ$ (c = 1 in 5% NaOH)		100 g 18. —	500 g 75. —	
	Mucobromic acid (2,3-Dibromomalealdehydic acid)				
69980	$\text{OHCCBr}:\text{CBrCOOH}$ $\text{C}_4\text{H}_2\text{Br}_2\text{O}_3$ M_r 257.88 [488-11-9] purum >99% (T); M.P. 123-125°; Ash <0.1%; 1 g clearly soluble in 10 ml Methanol		25 g 14. —	100 g 50. —	
69990	Mucochloric acid purum >98% (T); M.P. 125-126° (2,3-Dichloromalealdehydic acid) 6.1/81b $\text{OHCCCl}:\text{CClCOOH}$ $\text{C}_4\text{H}_2\text{Cl}_2\text{O}_3$ M_r 168.96 [87-56-9]		100 g 14. —	500 g 60. —	
	trans,trans-Muconic acid (2,4-Hexadiene-1,6-dioic acid)				
70000	$\text{HOOCCH}:\text{CHCH}:\text{CHCOOH}$ $\text{C}_6\text{H}_6\text{O}_4$ M_r 142.11 [3588-17-8] purum >99% (T); M.P. 300-304° dec.		1 g 9. —	5 g 34. —	
	Muramidase see 62970 Lysozyme				

			sFr.	sFr.
	Murexide [C.I. Nr. 56085; Sch. Nr. 1138] (Ammonium purpurate) $\text{CONHCONHC}(\text{ONH}_2)\text{CN}:\text{CONHCONHCO}$ $\text{C}_8\text{H}_8\text{N}_6\text{O}_6$ M_r 284.19 [3051-09-0]			
70010	Standard Fluka Indicator for Complexometry; $\sim 98\%$ (UV); Ash $< 0.1\%$; G. Schwarzenbach, The complexometric titration, 34 (1957)		10 g 12. —	50 g 50. —
	Muscimol (5-Aminomethyl-3-isoxazolol; 5-Aminomethyl-3-hydroxy-isoxazole; 3-Hydroxy-5-aminomethyl-isoxazole) $\text{NH}_2\text{CH}_2\text{C}:\text{CHC}(\text{OH})\text{:NQ}$ $\text{C}_4\text{H}_6\text{N}_2\text{O}_2$ M_r 114.10 [2763-96-4]			
70015	purum		25 mg 85. —	100 mg 300. —
	Myoglobin ex Whale sperm			
70020	purum 1 $\times$ cryst. lyophilized salt free, Fe $\sim 0.3\%$; $E_{400}/E_{280} \sim 4.5$; store in refrigerator		100 mg 16. —	1 g 70. —
70030	Myoglobin ex Horse heart 2 $\times$ cryst.; store in refrigerator		100 mg 16. —	1 g 70. —
	Myokinase ex Rabbit muscle (EC 2.7.4.3) (ATP:AMP Phosphotransferase) [9013-02-9]			
70040	p.a. Suspension in 3.2 m Ammonium sulfate-Solution; pH ~ 6 ; ~ 360 U/mg (25°C; A-5-MP as Substrate); store in refrigerator		10 mg (2 ml) 200. —	
70050	Myricetin pract. M.P. $> 300^\circ$ (Cannabiscetin; 3,3',4',5,5',7-Hexahydroxyflavone) $(\text{HO})_2\text{C}_6\text{H}_2\text{COC}(\text{OH})\text{:C}[\text{C}_6\text{H}_2(\text{OH})_3]\text{Q}$ $\text{C}_{15}\text{H}_{10}\text{O}_8$ M_r 318.24 [529-44-2]		25 mg 18. —	100 mg 65. —
	Myristic acid (Carboxylic acid C_{14} ; Tetradecanoic acid) $\text{CH}_3(\text{CH}_2)_{12}\text{COOH}$ $\text{C}_{14}\text{H}_{28}\text{O}_2$ M_r 228.38 [544-63-8]			
70079	puriss. Standard for GC; $> 99.5\%$ (GC); M.P. 54-55°		5 g 21. —	
70080	puriss. 99% (GC); M.P. 54-55°		100 g 15. —	500 g 63. —
70082	purum $\sim 97\%$ (GC); M.P. 53-54°		250 g 8. —	1 kg 22. —
	Myristic acid isopropylester see 70120 Isopropyl myristate			
	Myristone see 70150 14-Heptacosanone			
	Myristonitrile (Nitrile C_{14} ; Tridecyl cyanide) 6.1/21 $\text{CH}_3(\text{CH}_2)_{12}\text{CN}$ $\text{C}_{14}\text{H}_{27}\text{N}$ M_r 209.38 [629-63-0]			
70140	purum $> 99\%$ (GC); M.P. 17-20°	1 lt ≈ 0.83 kg	25 ml 12. —	100 ml 40. —
	Myristyl alcohol see 87160 1-Tetradecanol			
	Myristyl bromide see 18390 1-Bromotetradecane			
	Myristyl fluoride see 47505 1-Fluorotetradecane			
	(-)-cis-Myrtanol [(1S,2R)-10-Pinanol] 3/4; 68° $\text{C}_{10}\text{H}_{18}\text{O}$ M_r 154.24 [51152-12-6]			
70154	puriss. $> 99\%$ (GC); B.P. 127° (Lit.); d_4^{20} 0.977; n_D^{20} 1.491; $[\alpha]_{540}^{20} - 23.5 \pm 1^\circ$; $[\alpha]_D^{20} - 19.5 \pm 1^\circ$	1 lt ≈ 0.98 kg	10 ml 45. —	
	(-)-trans-Myrtanol [(1S,2S)-10-Pinanol] 3/4; 86° $\text{C}_{10}\text{H}_{18}\text{O}$ M_r 154.24 [53369-17-8]			
70155	puriss. $> 99\%$; B.P. 232-236°; d_4^{20} 0.972; n_D^{20} 1.489; $[\alpha]_{540}^{20} - 35 \pm 2^\circ$; $[\alpha]_D^{20} - 29 \pm 2^\circ$	1 lt ≈ 0.97 kg	10 ml 45. —	
	(-)-Myrtenol [(1R)-2-Pinen-10-ol] 3/4; 68° $\text{C}_{10}\text{H}_{18}\text{O}$ M_r 152.24 [19894-97-4]			
70158	puriss. $> 99\%$ (GC); B.P. 220-222°; d_4^{20} 0.976; n_D^{20} 1.496; $[\alpha]_{540}^{20} - 57 \pm 1^\circ$; $[\alpha]_D^{20} - 48 \pm 1^\circ$	1 lt ≈ 0.98 kg	10 ml 45. —	
	NAA see 70900 1-Naphthylacetic acid			
	Nadic anhydride see 14353 Bicyclo[2.2.1]hept-5-ene-2,3-dicarboxylic acid anhydride			
	β-NAD see 43410 β -Nicotinamide adenine dinucleotide			
	β-NADH$_2$-Na$_2$ see 43420 β -Nicotinamide adenine dinucleotide Disodium salt red.			
	β-NADP-Na$_2$ see 93210 Triphosphopyridinenucleotide Sodium salt			
	β-NADPH-Na$_4$ see 93220 Triphosphopyridinenucleotide reduced Tetrasodium salt			
	Nalidixic acid (1,4-Dihydro-1-ethyl-7-methyl-1,8-naphthyridin-4-one-3-carboxylic acid) $\text{C}_{12}\text{H}_{12}\text{N}_2\text{O}_3$ M_r 232.32 [389-08-2]			
70162	purum $> 98\%$ (T); M.P. 227-228°; 1 g clearly soluble in 50 ml Chloroform		25 g 23. —	100 g 85. —

			sFr.	sFr.
70170	Naphazolinnitrate purum [2-(1-Naphthylmethyl)-imidazolinenitrate] $C_{14}H_{14}N_2 \cdot HNO_3$ M_r 273.29 [10061-11-7]		25 g 12.—	100 g 40.—
	Naphthacene see 12095 Benz[b]anthracene			
	1-Naphthaldehyde (α) $C_{10}H_7CHO$ $C_{11}H_8O$ M_r 156.19 [66-77-3] purum >97% (GC); B.P. $_{10}$ 148-150°; d_4^{20} 1.145; n_D^{20} 1.651; <1% Naphthoic acid	1 lt $\approx$ 1.14 kg	50 ml 29.—	250 ml 120.—
70180				
70190	2-Naphthaldehyde (β) purum M.P. 58-61° $C_{10}H_7CHO$ $C_{11}H_8O$ M_r 156.19 [66-99-9]		10 g 32.—	50 g 135.—
	1,8-Naphthaldehydic acid (8-Carboxy-1-naphthaldehyde; 8-Formyl-1-naphthoic acid) $HOCC_{10}H_6COOH$ $C_{12}H_8O_3$ M_r 200.20 [5811-87-0] purum >97% (UV); M.P. 161-163°		10 g 35.—	50 g 145.—
21950				
	Naphthalene 4.1/11; 80°C $C_{10}H_8$ M_r 128.18 [91-20-3] puriss. >99% (GC); M.P. 80.5-81.5° purum >98% (GC); M.P. 79-80.5°; Thionaphthene <1%		100 g 7.— 1 kg 12.—	500 g 24.— 5 kg 50.—
70211				
70210				
	1- and 2-Naphthaleneacetic acid see 70900 and 70910 1- and 2-Naphthylacetic acid			
	Naphthalene-1-carboxylic acid see 70390 1-Naphthoic acid (α)			
	Naphthalene-2-carboxylic acid see 70400 2-Naphthoic acid (β)			
	Naphthalenediols see Dihydroxynaphthalenes			
	Naphthalenediamines see Diaminonaphthalenes			
70240	Naphthalene-1,5-disulfonic acid Disodium salt techn. >90% (T) $C_{10}H_6(SO_3Na)_2$ $C_{10}H_6Na_2O_6S_2$ M_r 332.26 [1655-29-4]		250 g 8.—	1 kg 25.—
70250	Naphthalene-2,6-disulfonic acid Disodium salt techn. >90% (T) $C_{10}H_6(SO_3Na)_2 \cdot H_2O$ $C_{10}H_6Na_2O_6S_2 \cdot H_2O$ M_r 350.28 [1655-45-4]		250 g 17.—	1 kg 60.—
70260	Naphthalene-2,7-disulfonic acid Disodium salt techn. $C_{10}H_6(SO_3Na)_2$ $C_{10}H_6Na_2O_6S_2$ M_r 332.26 [1655-35-2]		100 g 12.—	
	Naphthalene-1-sulfonic acid (α) Sodium salt $C_{10}H_7SO_3Na$ $C_{10}H_7NaO_3S$ M_r 230.22 [130-14-3] techn. $\sim$ 75% (T); $\sim$ 10% Naphthalene-2-sulfonic acid Sodium salt; $\sim$ 6% Naphthalene-disulfonic acid Disodium salt; $\sim$ 4% Sodium sulfate		250 g 18.—	1 kg 65.—
70280				
70290	Naphthalene-2-sulfonic acid (β) Sodium salt techn. >90% $C_{10}H_7SO_3Na$ $C_{10}H_7NaO_3S$ M_r 230.22 [532-02-5]		250 g 8.—	1 kg 25.—
70270	Naphthalene-2-sulfonyl chloride (β) puriss. $\sim$ 99% (Cl); M.P. 74-76°; Ash <0.05% $C_{10}H_7SO_2Cl$ $C_{10}H_7ClO_2S$ M_r 226.68 [93-11-8]		25 g 13.—	100 g 45.—
	2-Naphthalenethiol see 88910 Thio-2-naphthol			
	Naphthalene-1,3,6-trisulfonic acid Trisodium salt $C_{10}H_5(SO_3Na)_3 \cdot aq$ $C_{10}H_5Na_3O_9S_3 \cdot aq$ M_r 434.31 + aq [5182-30-9] techn. $\sim$ 97% (incl. $\sim$ 10% water)		250 g 10.—	1 kg 32.—
70310				
70320	1,8-Naphthalic anhydride purum >98% (T); M.P. $\sim$ 270° dec.; <1% Naphthoic acid $C_{10}H_6COOCO$ $C_{12}H_6O_3$ M_r 198.18 [81-84-5]		250 g 18.—	1 kg 65.—
	N,N-1,3-Naphthalylhydroxylamine Sodium salt (N-Hydroxynaphthalimide Sodium salt) 1,8- $C_{10}H_6CON(ONa)CO$ $C_{12}H_8NNaO_3$ M_r 235.18 [7797-81-1] (free acid) p.a. for histochemical analysis of Ca; Acta histochemica 4, 122 (1957); contains 20-30% water and some NaCl		10 g 30.—	50 g 125.—
70330				
70340	Naphthenic acid techn. A.N. 230	1 lt $\approx$ 0.97 kg	1 lt 22.—	2.5 lt 50.—
	Naphthenic acid Cobalt salt see 60830 Cobaltnaphthenate			
70350	Naphthidine purum (1,1'-Binaphthalene-4,4'-diamine) 4-NH $_2$ - $C_{10}H_6$ -1- $C_{10}H_6$ -4-NH $_2$ $C_{20}H_{16}N_2$ M_r 284.36 [18531-98-1]		1 g 25.—	5 g 105.—
	Naphthionic acid see 70790 1-Naphthylamine-4-sulfonic acid			
	Naphthionic acid Sodium salt see 70860 1-Naphthylamine-4-sulfonic acid Sodium salt			

				sFr.	sFr.
	p-Naphthohydroquinone(α) (1,4-Dihydroxynaphthalene) $C_{10}H_6(OH)_2$ $C_{10}H_8O_2$ M_r 160.18 [571-60-8]				
70430	purum M.P. 191-192° dec.; decomposes very easily			10 g 20.—	50 g 85.—
70390	1-Naphthoic acid (α) purum >97%(GC); M.P. 160-162° (Naphthalene-1-carboxylic acid) $C_{10}H_7COOH$ $C_{11}H_8O_2$ M_r 172.19 [86-55-5]			25 g 12.—	100 g 40.—
70400	2-Naphthoic acid (β) purum >98%(GC); M.P. 180-183° (Naphthalene-2-carboxylic acid) $C_{10}H_7COOH$ $C_{11}H_8O_2$ M_r 172.19 [93-09-4]			10 g 10.—	50 g 40.—
	α-Naphthoflavone (7,8-Benzoflavone) $C_{19}H_{12}O_2$ M_r 272.31 [604-59-1]				
70410	purum p.a. >98%(UV); M.P. 153-155°; Redox-Indicator and Reagent for active Chlorine			1 g 11.—	5 g 46.—
	1-Naphthol (α) 6.1/22 $C_{10}H_7OH$ $C_{10}H_8O$ M_r 144.18 [90-15-3]				
70440	puriss. p.a. >99%(GC); M.P. 95-97°; Ash <0.05%; <1% 2-Naphthol	25 g 7.—		100 g 11.—	500 g 46.—
70442	pract. >97%(GC); M.P. 93-95°; 2-4% 2-Naphthol			250 g 13.—	1 kg 45.—
	2-Naphthol (β) 6.1/22 $C_{10}H_7OH$ $C_{10}H_8O$ M_r 144.18 [135-19-3]				
70450	puriss. p.a. >99%(GC); M.P. 121-122°; <0.5% 1-Naphthol; Ash <0.05%; Fluorescent-Indicator			100 g 10.—	500 g 37.—
70452	purum >98%(GC); M.P. 120-122°; <1% 1-Naphthol			250 g 9.—	1 kg 28.—
70460	Naphthol AS pract. M.P. 244-246°; Ash 2-4% (3-Hydroxy-2-naphthoic acid anilide) $HOC_{10}H_6CONHC_6H_5$ $C_{17}H_{13}NO_2$ M_r 263.30 [92-77-3]			100 g 10.—	500 g 40.—
70465	Naphthol AS-acetate $C_{19}H_{15}NO_3$ M_r 305.34			1 g 10.—	5 g 34.—
	Naphthol AS-chloroacetate (3-Chloroacetoxy-2-naphthoic acid anilide) $ClCH_2COOC_{10}H_6CONHC_6H_5$ $C_{19}H_{14}ClNO_3$ M_r 339.78				
70470	puriss. p.a. Substrate for Esterase			5 g 26.—	25 g 110.—
70471	Naphthol AS-phosphate $C_{17}H_{14}NO_5P$ M_r 343.28 [13989-98-5]			250 mg 10.—	1 g 35.—
70472	Naphthol AS-D-acetate $C_{20}H_{17}NO_3$ M_r 319.36			1 g 10.—	5 g 34.—
70473	Naphthol AS-D-chloroacetate $C_{20}H_{16}ClNO_3$ M_r 353.81 [35245-26-2]			250 mg 10.—	1 g 32.—
70474	Naphthol AS-D-phosphate $C_{19}H_{16}NO_5P$ M_r 357.30			250 mg 10.—	1 g 32.—
70475	Naphthol AS-MX-acetate $C_{21}H_{19}NO_3$ M_r 339.39			1 g 10.—	5 g 50.—
70476	Naphthol AS-MX-phosphate $C_{19}H_{18}NO_5P$ M_r 371.33 [1596-56-1]			250 mg 10.—	1 g 35.—
70479	Naphthol AS-OL-acetate $C_{20}H_{17}NO_4$ M_r 335.36			1 g 9.—	5 g 34.—
70481	Naphthol AS-OL-phosphate $C_{19}H_{16}NO_5P$ M_r 373.31			1 g 12.—	5 g 50.—
70477	Naphthol AS-TR-acetate $C_{20}H_{16}ClNO_3$ M_r 353.79			1 g 11.—	5 g 46.—
70478	Naphthol AS-TR-phosphate $C_{18}H_{16}ClNO_5P$ M_r 391.76			250 mg 10.—	1 g 35.—
70480	p-Naphtholbenzoin (α) Standard Fluka Indicator pH 0.0-0.8, 8.2-10.0 4- $HOC_{10}H_6C(OH)(C_6H_5)C_{10}H_6-4-OH$ $C_{27}H_{20}O_2$ M_r 392.46 [6948-88-5]			10 g 11.—	50 g 46.—
	Naphthol Blue Black B [C.I. Nr. 20470; Sch. Nr. 299] (Acid Black 1; Amidoblack 10 B) 4- $NO_2C_6H_4N:N-2-C_{10}H_2-1-NH_2-3,6-(SO_3Na)_2-8-OH-7-N:NC_6H_5$ $C_{22}H_{14}N_6Na_2O_5S_2$ M_r 618.50 [1064-48-8]				
70490	Standard Fluka for Microscopy (Hist.)			100 g 9.—	500 g 32.—

			sFr.	sFr.
70511	1-Naphthol-3,6-disulfonic acid Disodium salt techn. $\text{HOC}_{10}\text{H}_6(\text{SO}_3\text{Na})_2$ $\text{C}_{10}\text{H}_6\text{Na}_2\text{O}_7\text{S}_2$ M_r 348.26 [20349-39-7]		250 g 17.—	1 kg 60.—
70530	2-Naphthol-3,6-disulfonic acid Disodium salt techn. ~80% (R-Acid Sodium salt) $\text{HOC}_{10}\text{H}_6(\text{SO}_3\text{Na})_2$ $\text{C}_{10}\text{H}_6\text{Na}_2\text{O}_7\text{S}_2$ M_r 348.26 [135-51-3]		100 g 9.—	500 g 34.—
70550	Naphthol Green B [C.I. Nr. 10020; Sch. Nr. 5] $(\text{C}_{10}\text{H}_6-1-:\text{NO}-6-\text{SO}_3\text{Na}-2-\text{O})_3\text{Fe}$ $\text{C}_{30}\text{H}_{15}\text{FeN}_3\text{Na}_3\text{O}_{15}\text{S}_3$ M_r 878.47 [19381-50-1] Standard Fluka for Microscopy (Hist.); for Complexometry		100 g 15.—	500 g 63.—
	α-Naphthol Orange see 75360 Orange I			
70560	α-Naphtholphthalein Standard Fluka Indicator pH 7.8-9.0; M.P. 250-255° dec. $\text{C}_6\text{H}_4\text{COOC}(-1-\text{C}_{10}\text{H}_6-4-\text{OH})_2$ $\text{C}_{28}\text{H}_{18}\text{O}_4$ M_r 418.45 [596-01-0]		1 g 10.—	5 g 37.—
70570	1-Naphthol-2-sulfonic acid Sodium salt techn. ~90%(NT) $\text{HOC}_{10}\text{H}_6\text{SO}_3\text{Na}$ $\text{C}_{10}\text{H}_7\text{NaO}_4\text{S}$ M_r 246.22 [832-50-8]		10 g 30.—	50 g 125.—
70590	1-Naphthol-4-sulfonic acid Sodium salt techn. ~70-75% $\text{HOC}_{10}\text{H}_6\text{SO}_3\text{Na}$ $\text{C}_{10}\text{H}_7\text{NaO}_4\text{S}$ M_r 246.22 [6099-57-6]		100 g 12.—	500 g 50.—
70567	2-Naphthol-6-sulfonic acid Sodium salt techn. 50% in water $\text{HOC}_{10}\text{H}_6\text{SO}_3\text{Na}$ $\text{C}_{10}\text{H}_7\text{NaO}_4\text{S}$ M_r 246.22 [135-55-7]		250 g 10.—	1 kg 32.—
70615	1-Naphthol-8-sulfonic acid sultone (1,8-Naphthosultone) 6.1/22 $\text{C}_{10}\text{H}_6\text{SO}_3$ $\text{C}_{10}\text{H}_6\text{O}_3\text{S}$ M_r 206.22 [83-31-8] techn. M.P. 154-157° dec.		250 g 26.—	1 kg 95.—
70540	Naphthol Yellow S [C.I. Nr. 10316; Sch. Nr. 19] (2,4-Dinitro-1-naphthol-7-sulfonic acid Sodium salt; Flavianic acid Sodium salt) $(\text{NO}_2)_2\text{C}_{10}\text{H}_4(\text{ONa})\text{SO}_3\text{Na}$ $\text{C}_{10}\text{H}_4\text{N}_2\text{Na}_2\text{O}_8\text{S}$ M_r 358.20 [846-70-8] Standard Fluka for Microscopy (Hist.); for precipitation of Amino acids and Peptides		25 g 8.—	100 g 25.—
70630	1-Naphthonitrile purum >98%(GC); M.P. 32-34° (1-Cyanonaphthalene) 6.1/21 $\text{C}_{10}\text{H}_7\text{CN}$ $\text{C}_{11}\text{H}_7\text{N}$ M_r 153.19 [86-53-3]		100 g 18.—	500 g 75.—
70640	2-Naphthonitrile techn. ~85%(GC); contains <2% 2-Naphthylamine (2-Cyanonaphthalene) 6.1/21 $\text{C}_{10}\text{H}_7\text{CN}$ $\text{C}_{11}\text{H}_7\text{N}$ M_r 153.19 [613-46-7]		5 g 29.—	25 g 120.—
	1- and 2-Naphthoquinoline see 12290 and 12300 Benzo[f]quinoline and Benzo[h]quinoline			
70360	1,2-Naphthoquinone (β) pract. M.P. 126-132°; Ash <2%; store in refrigerator 6.1/22 $\text{C}_6\text{H}_4\text{COCOCH}:\text{CH}$ $\text{C}_{10}\text{H}_6\text{O}_2$ M_r 158.16 [524-42-5]		5 g 15.—	25 g 63.—
70370	1,4-Naphthoquinone (α) 6.1/22 $\text{C}_6\text{H}_4\text{COCH}:\text{CHCO}$ $\text{C}_{10}\text{H}_6\text{O}_2$ M_r 158.16 [130-15-4] puriss. >99%(UV); M.P. 123-125°; <0.5% 1,2-Naphthoquinone		25 g 23.—	100 g 85.—
70372	pract. ~97%(UV); M.P. 118-122°		250 g 21.—	1 kg 75.—
70373	techn. ~85%		1 kg 25.—	
70650	Naphthoresorcinol (1,3-Dihydroxynaphthalene) $\text{C}_{10}\text{H}_6(\text{OH})_2$ $\text{C}_{10}\text{H}_6\text{O}_2$ M_r 160.18 [132-86-5] puriss. p.a. M.P. 124-125°; 1 g clearly soluble in 10 ml Methanol; for the colorimetric analysis of Glucuronic acid according to Tollens		1 g 10.—	5 g 37.—
	1,8-Naphthosultone see 70615 1-Naphthol-8-sulfonic acid sultone			
70660	2-Naphthoxyacetic acid pract. ~95%(T); M.P. 151-154° (BNOA) $\text{C}_{10}\text{H}_7\text{OCH}_2\text{COOH}$ $\text{C}_{12}\text{H}_{10}\text{O}_3$ M_r 202.20 [120-23-0]		100 g 9.—	500 g 34.—
70670	1-Naphthoyl chloride 8/22 $\text{C}_{10}\text{H}_7\text{COCl}$ $\text{C}_{11}\text{H}_7\text{ClO}$ M_r 190.63 [879-18-5] purum ~97%(GC); M.P. 16-19°; B.P. _{0.1} 118°; d_4^{20} 1.267; n_D^{20} 1.652; hydrolyses easily	1 lt $\approx$ 1.27 kg	10 ml 20.—	50 ml 85.—
70680	2-Naphthoyl chloride purum >98%(GC); M.P. 50-52; store in refrigerator 8/12 $\text{C}_{10}\text{H}_7\text{COCl}$ $\text{C}_{11}\text{H}_7\text{ClO}$ M_r 190.63 [2243-83-6]		10 g 22.—	50 g 90.—
46010	1-Naphthyl acetate puriss. p.a. >99%(GC); M.P. 45-46° $\text{CH}_3\text{COOC}_{10}\text{H}_7$ $\text{C}_{12}\text{H}_{10}\text{O}_2$ M_r 186.21 [830-81-9]		25 g 10.—	100 g 35.—
46020	2-Naphthyl acetate puriss. p.a. M.P. 67-69°; Substrate for the determination of Esterase $\text{CH}_3\text{COOC}_{10}\text{H}_7$ $\text{C}_{12}\text{H}_{10}\text{O}_2$ M_r 186.21 [1523-11-1]		5 g 13.—	25 g 55.—

				sFr.	sFr.
	1-Naphthylacetic acid (α) (NAA; 1-Naphthaleneacetic acid) $C_{10}H_7CH_2COOH$ $C_{12}H_{10}O_2$ M_r 186.21 [86-87-3]				
70900	purum >99%(T); M.P. 130-133°; Ash <0.1%; 1 g clearly soluble in 10 ml Methanol			25 g 8.—	100 g 25.—
	2-Naphthylacetic acid (β) (2-Naphthaleneacetic acid) $C_{10}H_7CH_2COOH$ $C_{12}H_{10}O_2$ M_r 186.21 [581-96-4]				
70910	purum >99%(T); M.P. 139-142°; Ash <0.1%; 1 g clearly soluble in 10 ml Methanol			5 g 10.—	25 g 40.—
	1-Naphthylamine (1-Aminonaphthalene) 6.1/21g $C_{10}H_7NH_2$ $C_{10}H_9N$ M_r 143.19 [134-32-7]				
70731	purum ~99%(GC) + ~1% 2-Naphthylamine; M.P. 47-50°; Inhalation and contact with skin should be avoided			250 g 9.—	1 kg 28.—
	1-Naphthylamine-4-sulfonic acid (Naphthionic acid) $NH_2C_{10}H_6SO_3H$ $C_{10}H_9NO_3S$ M_r 223.35 [84-86-6]				
70790	purum p.a. >97%(T); M.P. >300°; Ash <0.1%			50 g 20.—	250 g 85.—
70800	1-Naphthylamine-5-sulfonic acid pract. ~98%(T); Ash <0.1% (Laurents acid) $NH_2C_{10}H_6SO_3H$ $C_{10}H_9NO_3S$ M_r 223.25 [84-89-9]			100 g 12.—	500 g 50.—
	1-Naphthylamine-7-sulfonic acid (Cleves acid-1,7) $NH_2C_{10}H_6SO_3H$ $C_{10}H_9NO_3S$ M_r 223.25 [119-28-8]				
70820	pract. >97%(T); M.P. >300°; Ash <1%			100 g 16.—	500 g 67.—
70840	2-Naphthylamine-1-sulfonic acid purum >98%(T); Ash <0.1% (Tobias acid) 6.1/21 $NH_2C_{10}H_6SO_3H$ $C_{10}H_9NO_3S$ M_r 223.25 [81-16-3]			100 g 12.—	500 g 50.—
	1-Naphthylamine-4-sulfonic acid Sodium salt (Naphthionic acid Sodium salt) $NH_2C_{10}H_6SO_3Na.aq$ $C_{10}H_8NNaO_3S.aq$ M_r 245.24 + aq [130-13-2]				
70860	purum H_2O 4-9%			100 g 20.—	500 g 85.—
70862	techn. H_2O ~25%			250 g 12.—	1 kg 40.—
	N-(2-Naphthyl)aniline see 78870 N-Phenyl-2-naphthylamine				
	Naphthylazoxine [8-Hydroxy-7-(1-naphthylazo)quinoline-5-sulfonic acid] $C_{10}H_7-1-N:N-7-C_8H_5-SO_3H-8-(OH)N:CHCH:CH$ $C_{19}H_{13}N_3O_4S$ M_r 379.40 [50539-65-6]				
70890	p.a. Indicator for Complexometry; Anal. Chem. 29, 821 (1957)			5 g 26.—	
	α-Naphthyl butyrate (Butyric acid 1-naphthyl ester) $CH_3CH_2CH_2COOC_{10}H_7$ $C_{14}H_{14}O_2$ M_r 214.27 [3121-70-8]				
19363	purum >99%(GC); d_4^{20} 1.091; n_D^{20} 1.572			1 lt ≈ 1.09 kg	10 ml 22.—, 50 ml 90.—
	(±)-1-(1-Naphthyl)ethylamine 6.1/21g $C_{10}H_7CH(NH_2)CH_3$ $C_{12}H_{13}N$ M_r 171.23 [118-44-5]				
70715	purum ~97%(GC); B.P., 153° (Lit.); d_4^{20} 1.063; n_D^{20} 1.621			1 lt ≈ 1.06 kg	5 ml 20.—, 25 ml 85.—
	N-(1-Naphthyl)ethylenediamine dihydrochloride $C_{10}H_7NHCH_2CH_2NH_2 \cdot 2HCl \cdot CH_3OH$ $C_{12}H_{14}N_2 \cdot 2HCl \cdot CH_3OH$ M_r 291.22 [1465-25-4]				
70720	puriss. p.a. >99%(Cl); M.P. 196-199° dec.; Ash <0.05%; for the colorimetric determination of Sulfonamide in Blood			5 g 11.—	25 g 46.—
70721	purum >97%(Cl); M.P. 194-200° dec.; Ash <0.1%			10 g 15.—	50 g 63.—
	1-Naphthyl-β-D-glucopyranoside $HOCH_2CH(CHOH)_3CH(OC_{10}H_7)O$ $C_{16}H_{18}O_6$ M_r 306.31 [41335-32-4]				
70972	purum M.P. 182-185°; $[\alpha]_{540}^{20} -102 \pm 3^\circ$; $[\alpha]_D^{20} -86 \pm 3^\circ$ (c = 0.7 in water)			250 mg 12.—	
	1-Naphthyl iodide see 57910 1-Iodonaphthalene				
	1-Naphthyl isocyanate (α) 6.1/21 $C_{10}H_7NCO$ $C_{11}H_7NO$ M_r 169.18 [86-84-0]				
70980	purum >98%(GC); B.P., 137-140°; d_4^{20} 1.177; n_D^{20} 1.633			1 lt ≈ 1.18 kg	100 ml 10.—, 500 ml 40.—
	2-Naphthyl laurate $CH_3(CH_2)_{10}COOC_{10}H_7$ $C_{22}H_{30}O_2$ M_r 326.48 [6343-73-3]				
61710	puriss. p.a. M.P. 58-60°; Substrate for the Determination of Lipase; Lit.: Nachlas and Seligman, J. Biol. Chem. 181, 343 (1949)			5 g 21.—	25 g 90.—

		sFr.	sFr.
	2-Naphthylmercaptan see 88910 Thio-2-naphthol (β)		
	2-(1-Naphthylmethyl)-imidazoline nitrate see 70170 Naphazoline nitrate		
71060	2-(1-Naphthyl)-5-phenyloxazole , α -NPO QC(C ₆ H ₅):CHN:CC ₁₀ H ₇ C ₁₉ H ₁₃ NO M _r 271.32 [846-63-9] puriss. for Scintillation; M.P. 104-106°; $\lambda_{\max}$ 330 nm, log ϵ 4.35	1 g 25.—	5 g 105.—
71090	1-Naphthyl phosphate Monosodium salt (mono-Sodium 1-naphthyl phosphate) C ₁₀ H ₇ OPO ₃ HNa C ₁₀ H ₈ NaO ₄ P M _r 246.14 [1136-89-6] (free acid) puriss. p.a. H ₂ O 6-8%; Substrate for Phosphatase-determination according to Seligman; J. biol. Chem. 190, 7 (1951)	1 g 8.—	5 g 26.—
71100	2-Naphthyl phosphate Monosodium salt (mono-Sodium 2-naphthyl phosphate) C ₁₀ H ₇ OPO ₃ HNa C ₁₀ H ₈ NaO ₄ P M _r 246.14 [13095-41-5] (free acid) puriss. p.a. H ₂ O 3-5%; Substrate for Phosphatase-determination according to Seligman; J. biol. Chem. 190, 7 (1951)	1 g 10.—	5 g 40.—
71110	α-Naphthyl Red hydrochloride (4-Phenylazo-1-naphthylamine) C ₆ H ₅ N:NC ₁₀ H ₆ NH ₂ .HCl C ₁₆ H ₁₃ N ₃ .HCl M _r 283.76 [131-22-6] (free acid) Standard Fluka Indicator pH 3.7-5.0	10 g 10.—	50 g 40.—
71131	2-Naphthylthiourea (β) purum >97% (S) 6.1/81d C ₁₀ H ₇ NHCSNH ₂ C ₁₁ H ₁₀ N ₂ S M _r 202.28 [3394-04-5]	100 g 18.—	500 g 75.—
71150	Narcotine hydrochloride Monohydrate C ₂₂ H ₂₃ NO ₇ .HCl.H ₂ O M _r 467.91 [912-60-7] purum >99% (Cl); M.P. $\sim$ 220° dec.; $[\alpha]_{546}^{20} + 42 \pm 1^\circ$; $[\alpha]_D^{20} + 39 \pm 1^\circ$ (c = 4 in water)	25 g 18.—	100 g 65.—
71160	Naringin (Naringenine-7-rhamnosidoglucoside) C ₂₇ H ₃₂ O ₁₄ M _r 580.55 [10236-47-2] purum CHR; $[\alpha]_{546}^{20} - 107 \pm 3^\circ$; $[\alpha]_D^{20} - 90 \pm 3^\circ$ (c = 1 in Ethanol)	10 g 35.—	50 g 145.—
71162	pract. $[\alpha]_{546}^{20} - 95 \pm 10^\circ$ (c = 1 in Ethanol)	25 g 9.—	100 g 30.—
	NBD chloride see 25455 4-Chloro-7-nitrobenzofurazan		
	NBT see 74030 Nitrotetrazolium Blue chloride		
	NDGA see 74540 Nordihydroguaiaretic acid		
	Nebularine see 82590 Purine-9- β -D-ribofuranoside		
72140	Neocupferron [N-Nitroso-N-(1-naphthyl)hydroxylamine Ammonium salt] C ₁₀ H ₇ N(NO)ONH ₄ C ₁₀ H ₁₁ N ₃ O ₂ M _r 205.22 [1013-20-3] p.a. $\sim$ 99% (N); M.P. 120-124° dec.; determination of: Cu, Fe	1 g 11.—	5 g 44.—
72080	Neocuproine (2,9-Dimethyl-1,10-phenanthroline) C ₁₄ H ₁₂ N ₂ . ½ H ₂ O M _r 217.27 [484-11-7] puriss. p.a. >99% (NT); M.P. 159-160°; 1 g clearly soluble in 10 ml Methanol; for the spectrophotometric determination of Cu; Anal. Chem. 24, 371 (1952)	1 g 8.—	5 g 29.—
72090	Neocuproine hydrochloride (2,9-Dimethyl-1,10-phenanthroline hydrochloride) C ₁₄ H ₁₂ N ₂ .HCl.H ₂ O M _r 262.74 [7296-20-0] puriss. p.a. >99% (Cl); 1 g clearly soluble in 10 ml water; for the colorimetric determination of Cu	1 g 8.—	5 g 29.—
72100	Neodymium puriss. 99.9% + 0.1% Pr + Sm; in bars Nd A _r 144.24 [7440-00-8]	5 g 40.—	
72110	Neodymium chloride Hexahydrate puriss. from Nd 99.9%; M.P. 126-127° NdCl ₃ .6H ₂ O Cl ₃ Nd.6H ₂ O M _r 358.69 [13477-89-9]	25 g 16.—	100 g 55.—
72112	Neodymium fluoride (Coating quality BALZERS) 90%; Tablets	10 g 25.—	100 g 160.—
72120	Neodymium nitrate Hexahydrate puriss. from Nd 99.9% Nd(NO ₃) ₃ .6H ₂ O N ₃ NdO ₉ .6H ₂ O M _r 438.35 [16454-60-7]	25 g 18.—	100 g 65.—
72130	Neodymium oxide puriss. >99.9% + 0.1% Pr ₆ O ₁₁ + Sm ₂ O ₃ Nd ₂ O ₃ M _r 336.48 [1313-97-3]	25 g 23.—	100 g 85.—
	Neohexane see 39730 2,2-Dimethylbutane		
	Neohexene see 39832 3,3-Dimethyl-1-butene		

			sFr.	sFr.
72135	Neomenthol rac puriss. >99.5% (GC); M.P. 51-52° (CH ₃) ₂ CHCHCH ₂ CH ₂ CH(CH ₃)CH ₂ CH(OH) C ₁₀ H ₂₀ O M _r 156.27 [3623-51-6]		5 g 44. —	
	(+)-Neomenthol 3/4; 83° (CH ₃) ₂ CHCHCH ₂ CH ₂ CH(CH ₃)CH ₂ CH(OH) C ₁₀ H ₂₀ O M _r 156.27			
72136	purum ~97% (GC); B.P. 209-210°; d ₄ ²⁰ 0.899; n _D ²⁰ 1.461; [α] _D ²⁰ +23±1°; [α] _D ²⁰ +20±1° (c = 10 in Ethanol)	1 lt ≈ 0.90 kg	5 ml 29. —	25 ml 120. —
	Neopentane see 41499 2,2-Dimethylpropane			
	Neopentyl alcohol see 41520 2,2-Dimethyl-1-propanol			
	Neopentylamine see 41530 2,2-Dimethylpropylamine			
	Neopentyl bromide see 16940 1-Bromo-2,2-dimethylpropane			
	Neopentyl glycol see 41510 2,2-Dimethyl-1,3-propanediol			
72143	Neopentylglycol adipate purum for GC; M.P. 29-31°		50 g 32. —	
72144	Neopentylglycol sebacate purum for GC		50 g 32. —	
72146	Neopentylglycol succinate purum for GC		50 g 32. —	
	Neopentyl iodide see 40728 2,2-Dimethyl-1-iodopropane			
72147	D(+)-Neopterin purum [α] _D ²⁰ +64.5±1°; [α] _D ²⁰ +53.2±1° (c = 0.14 in 0.1n HCl) C ₉ H ₁₁ N ₅ O ₄ M _r 253.22 [670-65-5]		25 mg 33. —	100 mg 120. —
	Neotetrazolium chloride , NTC [N:C(C ₆ H ₅)N:N(Cl)(C ₆ H ₅)NC ₆ H ₄ -4-] ₂ C ₃₈ H ₂₈ Cl ₂ N ₈ M _r 667.61 [298-95-3]			
72150	Standard Fluka for the Analysis of reducing Fermentation systems; for Bacteriology; M.P. ~230° dec.; 1 g clearly soluble in 20 ml Methanol		1 g 15. —	5 g 63. —
	Neothorin [Arsenazo I; 2(2-Arsenophenylazo)chromotropic acid Disodium salt; Neothoron] 2-H ₂ O ₃ AsC ₆ H ₄ N:N-2-C ₁₀ H ₃ -1,8-(OH) ₂ -3,6-(SO ₃ Na) ₂ C ₁₆ H ₁₁ AsN ₂ Na ₂ O ₁₁ S ₂ M _r 592.30 [3547-38-4]			
72160	p.a. for the colorimetric determination of U; Z. analyt. Chem. 166, 141 (1959); for the spectrophotometric determination of In; Z. analyt. Chem. 172, 287 (1960)		10 g 18. —	50 g 75. —
	Neoxine see 54190 1-Hydroxyacridine			
	Nerol (cis-3,4-Dimethyl-2,6-octadien-1-ol) 3/4; 100° (CH ₃) ₂ C:CHCH ₂ CH ₂ C(CH ₃):CHCH ₂ OH C ₁₀ H ₁₈ O M _r 154.25 [106-25-2]			
72170	pract. ~90-95% (GC); B.P. 225-230°; d ₄ ²⁰ 0.877; n _D ²⁰ 1.474	1 lt ≈ 0.88 kg	25 ml 17. —	100 ml 60. —
	cis-Nerolidol (3,7,11-Trimethyl-1,6,10-dodecatrien-3-ol) (CH ₃) ₂ C:CHCH ₂ CH ₂ C(CH ₃):CHCH ₂ CH ₂ C(CH ₃)(OH)CH:CH ₂ C ₁₅ H ₂₆ O M _r 222.37 [142-50-7]			
72180	purum >99% (GC); B.P. 0., 70 (Lit.); d ₄ ²⁰ 0.876; n _D ²⁰ 1.478	1 lt ≈ 0.87 kg	25 ml 23. —	100 ml 85. —
	Neroline see 04530 Ethyl 2-naphthyl ether			
Neurotransmitters see "Catecholamines, Neurotransmitters and Related Compounds" green section				
	Neutral Red [C.I. Nr. 50040; Sch. Nr. 946] (Toluylene Red) 6-(CH ₃) ₂ N ₂ C ₆ H ₃ N:C ₆ H ₂ -2-CH ₃ -3-NH ₂ :NH(Cl) C ₁₅ H ₁₇ ClN ₄ M _r 288.78 [553-24-2]			
72210	Standard Fluka Indicator pH 6.8-8.0; for Microscopy (Bact., Bot., Fl., Hist., Vit.)		25 g 16. —	100 g 55. —
	NFZ see 73340 5-Nitro-2-furfuralsemicarbazone			
	"Niacin" see 72310 Nicotinic acid			
72220	Nickel puriss. powder Ni A _r 58.71 [7440-02-0]		100 g 10. —	500 g 37. —
72222	Nickel (Coating quality BALZERS) 99%; Wire thickness 1.0 mm		100 g 35. —	500 g 120. —
	Nickel Ion Standard solution FLUKA 1.000 g Nickel/Liter/20°C; prepared from Ni(NO ₃) ₂ ; pH 1.5, adjusted with HNO ₃	1 lt ≈ 1.00 kg	500 ml 18. —	

					sFr.	sFr.
72225	Nickel(II) acetate purum p.a. $\text{Ni}(\text{OCOCH}_3)_2 \cdot 4\text{H}_2\text{O}$ $\text{C}_4\text{H}_6\text{NiO}_4 \cdot 4\text{H}_2\text{O}$ M_r 248.86 [373-02-4] Fluka-Guarantee: Assay >98.0 % Iron (Fe) <0.005% Chloride (Cl) <0.005% Zinc (Zn) <0.005% Copper (Cu) <0.005% Calcium (Ca) <0.005% Lead (Pb) <0.005%				250 g 12.—	1 kg 40.—
72228	Nickel acetylacetonate purum $\text{Ni}(\text{C}_5\text{H}_7\text{O}_2)_2$ $\text{C}_{10}\text{H}_{14}\text{NiO}_4$ M_r 256.93 [3264-82-2]				50 g 13.—	250 g 55.—
	Nickel-Aluminum alloy see 72240 Raney Nickel					
	Nickel-bis-(triphenylphosphine)-dicarbonyl see 15255 Bis-(triphenylphosphine)-nickel dicarbonyl					
72243	Nickel(II) bromide purum p.a. $\text{NiBr}_2 \cdot 3\text{H}_2\text{O}$ $\text{Br}_2\text{Ni} \cdot 3\text{H}_2\text{O}$ M_r 272.57 [13462-88-9]				250 g 29.—	1 kg 105.—
72245	Nickel(II) carbonate basic purum p.a. $\text{NiCO}_3 \cdot 2\text{Ni}(\text{OH})_2 \cdot 4\text{H}_2\text{O}$ $\text{CH}_4\text{Ni}_3\text{O}_7 \cdot 4\text{H}_2\text{O}$ M_r 376.23 [3333-67-3] Fluka-Guarantee: Assay (as Ni) 45.5-46.5% Iron (Fe) <0.005% Copper (Cu) <0.005% Zinc (Zn) <0.005% Lead (Pb) <0.005%				250 g 13.—	1 kg 45.—
72250	Nickel catalyst on argillaceous earth according to Rupe powder				25 g 13.—	100 g 45.—
72247	Nickel(II) chloride purum p.a. 6.1/81h $\text{NiCl}_2 \cdot 6\text{H}_2\text{O}$ $\text{Cl}_2\text{Ni} \cdot 6\text{H}_2\text{O}$ M_r 237.71 [7791-20-0] Fluka-Guarantee: Assay >98.0 % Iron (Fe) <0.005% Copper (Cu) <0.005% Zinc (Zn) <0.005% Lead (Pb) <0.005% Calcium (Ca) <0.005%				250 g 9.—	1 kg 28.—
72249	Nickel(II) hydroxide purum p.a. $\text{Ni}(\text{OH})_2$ H_2NiO_2 M_r 92.73 [12054-48-7] Fluka-Guarantee: Assay >98.0 % Iron (Fe) <0.02% Sulfate (SO_4) <0.005% Zinc (Zn) <0.05% Copper (Cu) <0.01 % Calcium (Ca) <0.2 % Lead (Pb) <0.02 %				250 g 16.—	1 kg 55.—
72253	Nickel(II) nitrate purum cryst. >97%(T) 5.1/7 $\text{Ni}(\text{NO}_3)_2 \cdot 6\text{H}_2\text{O}$ $\text{N}_2\text{NiO}_6 \cdot 6\text{H}_2\text{O}$ M_r 290.81 [13478-00-7]				250 g 8.—	1 kg 25.—
72255	Nickelocene purum >99%(Ni) $\text{CH}:\text{CHCH}:\text{CHCHNiCHCH}:\text{CHCH}:\text{CH}$ $\text{C}_{10}\text{H}_{10}\text{Ni}$ M_r 188.90 [1271-28-9]				5 g 20.—	25 g 85.—
72257	Nickel(III) oxide Black purum p.a. Ni_2O_3 M_r 165.42 [1314-06-3] Fluka-Guarantee: Assay (as Ni) ~77.0 % Lead (Pb) <0.005% Chloride (Cl) <0.02 % Iron (Fe) <0.05 % Sulfate (SO_4) <0.05 % Zinc (Zn) <0.05 % Copper (Cu) <0.005% Cobalt (Co) <0.05 %				250 g 17.—	1 kg 60.—
72260	Nickel(II) perchlorate purum p.a. cryst. 5.1/4b $\text{Ni}(\text{ClO}_4)_2 \cdot 6\text{H}_2\text{O}$ $\text{Cl}_2\text{NiO}_8 \cdot 6\text{H}_2\text{O}$ M_r 365.70 [13520-61-1] Fluka-Guarantee: Assay >98.0 % Lead (Pb) <0.005% Chloride (Cl) <0.005% Iron (Fe) <0.005% Sulfate (SO_4) <0.005% Zinc (Zn) <0.005% Copper (Cu) <0.005% Calcium (Ca) <0.005%				50 g 26.—	250 g 110.—
	Nickel peroxide $\text{NiO}_{1.4} \cdot 3\text{H}_2\text{O}$					
72263	pract.; Reagent for the synthesis of nitriles from aldehydes: K. Nakagawa et al., Synth. Comm. 9, 529 (1979); Review: M.V. George, K.S. Balachandran, Chem. Rev. 75, 491 (1975)				10 g 18.—	50 g 75.—
72265	Nickel(II) phthalocyanine pract. ~97%(Ni); M.P. >300° $\text{C}_{32}\text{H}_{16}\text{N}_8\text{Ni}$ M_r 571.25 [14055-02-8]				100 g 18.—	500 g 75.—



			sFr.	sFr.
72270	Nickel(II) sulfamate purum p.a. cryst. $\text{Ni}(\text{SO}_3\text{NH}_2)_2 \cdot 2\text{H}_2\text{O}$ $\text{H}_4\text{N}_2\text{NiO}_6\text{S}_2 \cdot 2\text{H}_2\text{O}$ M_r 286.91 [13770-89-3] Fluka-Guarantee: Assay >98.0 % Iron (Fe) <0.005% Copper (Cu) <0.005% Zinc (Zn) <0.005% Lead (Pb) <0.005%		250 g 14. —	1 kg 50. —
72280	Nickel(II) sulfate purum p.a. cryst. $\text{NiSO}_4 \cdot 6\text{H}_2\text{O}$ $\text{NiO}_4\text{S} \cdot 6\text{H}_2\text{O}$ M_r 262.86 [10101-97-0] Fluka-Guarantee: Assay >99.0 % Copper (Cu) <0.005% pH (5% solution in water, 20°C) 4.0-6.0 Lead (Pb) <0.005% Chloride (Cl) <0.005% Iron (Fe) <0.005% Zinc (Zn) <0.005%		250 g 8. —	1 kg 25. —
	Nicotinaldehyde see 82720 Pyridine-3-carboxaldehyde			
	Nicotinamide (Pyridine-3-carboxylic acid amide; Vitamin PP) $\text{CH:CHCH:NCH:C}(\text{CONH}_2) \text{C}_6\text{H}_4\text{N}_2\text{O}$ M_r 122.13 [98-92-0]			
72340	puriss. biochim. >99%(NT); M.P. 128-130°		100 g 7. —	250 g 13. — 1 kg 45. —
	β-Nicotinamide adeninedinucleotide, β-NAD (Coenzyme I; Dihydro-β-nicotinamide adenine dinucleotide; Diphosphopyridinenucleotide, DPN) $\text{C}_{21}\text{H}_{27}\text{N}_7\text{O}_{14}\text{P}_2 \cdot 4\text{H}_2\text{O}$ M_r 735.50 [53-84-9]			
43410	purum ~95%(UV); store in refrigerator		250 mg 8. —	1 g 22. — 5 g 90. —
	β-Nicotinamide adeninedinucleotide disodium salt reduced, β-NADH₂-Na₂ (Coenzyme I red. form; Diphosphopyridine-nucleotide reduced Disodium salt, DPNH ₂ -Na ₂) $\text{C}_{21}\text{H}_{27}\text{N}_7\text{Na}_2\text{O}_{14}\text{P}_2 \cdot 3\text{H}_2\text{O}$ M_r 763.46 [56-68-4]			
43420	purum ~98%(UV); store in refrigerator		100 mg 10. —	1 g 55. — 5 g 190. —
	β-Nicotinamide adeninedinucleotide phosphate see 93210 Triphosphopyridinenucleotide Sodium salt			
	β-Nicotinamide adeninedinucleotide phosphate red. see 93220 Triphosphopyridinenucleotide reduced Tetrasodium salt			
	β-Nicotinamide mononucleotide (β-NMN; Nicotinamid-1-ium-1-β-D-ribofuranoside 5'-phosphate) $\text{C}_{11}\text{H}_{15}\text{N}_2\text{O}_6\text{P}$ M_r 334.23 [1094-61-7]			
72342	purum ~80-95%(UV); H ₂ O 2-3%; store in refrigerator			25 mg 46. —
	(-)-Nicotine 6.1/81e $\text{CH:NCH:CHCH:C}(\text{CH}_2)_3\text{NCH}_3$ $\text{C}_{10}\text{H}_{14}\text{N}_2$ M_r 162.24 [54-11-5] pract. >98%(GC); B.P. 243-248°; d_4^{20} 1.017; n_D^{20} 1.525; $[\alpha]_{546}^{20} - 195 \pm 5^\circ$; $[\alpha]_D^{20} - 163 \pm 5^\circ$ (c = 10 in H ₂ O); H ₂ O ~3%			
72290			1 lt ≈ 1.02 kg	100 ml 25. — 500 ml 105. —
	Nicotinic acid ("Niacin"; Pyridine-3-carboxylic acid; Vitamin B) $\text{CH:CHCH:NCH:C}(\text{COOH}) \text{C}_6\text{H}_4\text{NO}_2$ M_r 123.11 [59-67-6] puriss. p.a. >99.5%; M.P. 234-236° dec.; Ash <0.05% purum Ph. Helv.; >99%(T); M.P. 233-236°; Ash <0.1%			
72309			100 g 10. —	500 g 42. —
72310			100 g 7. —	500 g 24. —
	Nicotinic acid diethylamide see 72370 N,N-Diethylnicotinamide			
72400	Nicotinic acid hydrazide purum >97%(NT); M.P. 159-161° 6.1/21 $\text{CH:CHCH:NCH:C}(\text{CONHNH}_2) \text{C}_6\text{H}_4\text{N}_3\text{O}$ M_r 137.14 [553-53-7]		25 g 24. —	100 g 90. —
	Nicotinic acid nitrile see 28580 3-Cyanopyridine			
72430	Nicotinic acid N-oxide purum >98%(T); M.P. 258-260° dec. 6.1/21 $\text{CH:CHCH:NOCH:C}(\text{COOH}) \text{C}_6\text{H}_4\text{NO}_3$ M_r 139.11 [2398-81-4]		100 g 16. —	500 g 67. —
	Nicotinic acid Potassium salt see 72410 Potassium nicotinate			
	Nicotinic acid Sodium salt see 72423 Sodium nicotinate			
72450	Nicotinylglycine purum (Nicotinuric acid) 6.1/21 $\text{CH:NCH:CHCH:C}(\text{CONHCH}_2\text{COOH}) \text{C}_6\text{H}_4\text{N}_2\text{O}_3$ M_r 180.16 [583-08-4]		5 g 40. —	
	Nigrosine watersoluble [C.I. Nr. 50420; Sch. Nr. 986] [8005-03-6] Standard Fluka for Microscopy (Bact., Hist.)			
72470			25 g 7. —	100 g 13. — 500 g 55. —
	Nikethamide see 72370 N,N-Diethylnicotinamide			
	Nile Blue A [C.I. Nr. 51180; Sch. Nr. 1029] (Nile Blue sulfate) $\text{NH}_2\text{C}_{10}\text{H}_6\text{O}(\text{HSO}_4)_2\text{:C}_6\text{H}_3\text{:7-N}(\text{C}_2\text{H}_5)_2\text{N}$ $\text{C}_{20}\text{H}_{21}\text{N}_3\text{O}_6\text{S}$ M_r 415.47 [2381-85-3] Standard Fluka Indicator pH 10.2-13.0; for Microscopy (Bact., Hist., Vit.); Z. anal. Chem. 260, 290 (1972); for quick spectrophotometric determination of Tantalum			
72480			10 g 12. —	50 g 50. —



			sFr.	sFr.
	Ninhydrin (1,2,3-Indantrione monohydrate; Trioxohydrindene Monohydrate) $C_9H_4COCO_2CO \cdot H_2O$ $C_9H_4O_3 \cdot H_2O$ M_r 178.14 [485-47-2]			
72490	puriss. p.a.; for detection and assay of peptides, amino acids, amines and aminosugars: K. Sameijima, W. Dairman, S. Udenfriend, Anal. Biochem. 42, 220, 237 (1971); Review: A. Schönberg, E. Singer, Tetrahedron 34, 1285 (1978) Fluka-Guarantee: M.P. 250-254° dec. Sulfate ash <0.1% Solubility: 1 g is clearly soluble in 20 ml water at 60°	10 g 7.—	25 g 12.—	100 g 40.—
72491	purum	50 g 20.—	250 g 85.—	1 kg 300.—
72500	Niobium purum >99.5%; -40 mesh (Columbium) Nb A_r 92.91 [7440-03-1]		10 g 14.—	50 g 60.—
72510	Niobium(V) chloride puriss. from Nb 99.9%; store in refrigerator (Niobium pentachloride) 8/12 $NbCl_5$ Cl_5Nb M_r 270.17 [10026-12-7]		25 g 9.—	100 g 30.—
72520	Niobium(V) oxide puriss. >99.9% (Niobium pentoxide) Nb_2O_5 M_r 265.81 [1313-96-8]		25 g 17.—	100 g 60.—
	Niobium pentachloride see 72510 Niobium(V) chloride			
	Niobium pentoxide see 72520 Niobium(V) oxide			
	Nioxime (1,2-Cyclohexanedione dioxime) $HON: \underset{\text{C}}{\underset{\text{C}}{(CH_2)_4}} : NOH$ $C_6H_{10}N_2O_2$ M_r 142.16 [492-99-9]			
72530	puriss. p.a. M.P. 188-190° dec.; Ash ~0.5%; Analysis and detection of: Ni	5 g 21.—	25 g 90.—	100 g 280.—
	Nitrazine Yellow [C.I. Nr. 14890] [2,4-Dinitrophenylazo-2-(1-hydroxy)-naphthalene-3,6-disulfonic acid Disodium salt] $2,4-(NO_2)_2C_6H_3N:N-2-C_{10}H_4-1-OH-3,6-(SO_3Na)_2$ $C_{16}H_8N_4Na_2O_{11}S_2$ M_r 542.37 [5423-07-4]			
72550	Standard Fluka; Indicator pH 6.0-7.0; for Microscopy (Hist.)		10 g 20.—	50 g 85.—
	Nitric acid conc. 8/2b HNO_3 M_r 63.01 [7697-37-2]			
84380	puriss. p.a. d_4^{20} 1.40 Fluka-Guarantee: Assay ~65.0 % Lead (Pb) <0.000005% Ash (as SO_4) <0.0005 % Copper (Cu) <0.000005% Chloride (Cl) <0.00005 % Zinc (Zn) <0.00001 % Sulfate (SO_4) <0.0001 % Iron (Fe) <0.00005 % Calcium (Ca) <0.0005 % Cadmium (Cd) <0.000001% Arsenic (As) <0.000001%	1 lt ≈ 1.40 kg	1 lt 14.—	
84382	purum p.a. d_4^{20} 1.40 Fluka-Guarantee: Assay 64-66% Lead (Pb) <0.0005% Chloride (Cl) <0.0005% Iron (Fe) <0.0005% Sulfate (SO_4) <0.001 % Zinc (Zn) <0.0005% Copper (Cu) <0.0005% Calcium (Ca) <0.0005%	1 lt ≈ 1.40 kg	1 lt 11.—	

**NITRILES** (Alkanenitriles)**Nitrile C₃** see 81900 Propionitrile**Nitrile C₄** see 20750 and 58690 Butyro- and Isobutyronitrile**Nitrile C₅** see 59910 and 94590 Isovalero- and Valeronitrile**Nitrile C₈** see 21740 Caprylonitrile**Nitrile C₉** see 76380 Pelargononitrile**Nitrile C₁₀** see 21495 Decanenitrile**Nitrile C₁₁** see 94130 Undecanenitrile**Nitrile C₁₂** see 61720 Lauronitrile**Nitrile C₁₄** see 70140 Myristonitrile**Nitrile C₁₇** see 51650 Heptadecanoic acid nitrile**Nitrile C₁₉** see 74220 Nonadecanenitrile

				sFr.	sFr.
72570	3,3',3''-Nitrilopropionamide pract. 6.1/21 $N(CH_2CH_2CONH_2)_3$ $C_9H_{18}N_4O_3$ M_r 230.27 [2664-61-1]			50 g 12.—	250 g 50.—
	Nitrilotriacetic acid [Tris(carboxymethyl)amine] 6.1/21 $N(CH_2COOH)_3$ $C_6H_9NO_6$ M_r 191.14 [139-13-9] puriss. p.a. for Complexometry Fluka-Guarantee: Assay >99.5 % Zinc (Zn) <0.001% Chloride (Cl) <0.01 % Calcium (Ca) <0.002% Sulfate (SO_4) <0.01 % Sodium (Na) <0.01 % Copper (Cu) <0.001% Potassium (K) <0.001% Lead (Pb) <0.001% Magnesium (Mg) <0.001% Iron (Fe) <0.001%			100 g 10.—	500 g 40.—
72565	Nitrilotriacetic acid Trisodium salt purum >98%(NT); H_2O 8% $N(CH_2COONa)_3 \cdot H_2O$ $C_6H_6NNa_3O_6 \cdot H_2O$ M_r 275.12 [5064-31-3]			250 g 8.—	1 kg 22.— 5 kg 67.—
	2,2',2''-Nitriloethylamine see 93303 Tris(2-aminoethyl)amine 2,2',2''-Nitrilotriethanol see 90280 Triethanolamine 1,1',1''-Nitrilotri-(2-propanol) see 92049 Triisopropanolamine				
72600	2-Nitroacetophenone purum >99%(GC); M.P. 23-27° $NO_2C_6H_4COCH_3$ $C_8H_7NO_3$ M_r 165.15 [577-59-3]			5 g 13.—	25 g 55.—
72610	3-Nitroacetophenone purum M.P. 75-77° $NO_2C_6H_4COCH_3$ $C_8H_7NO_3$ M_r 165.15 [121-89-1]			100 g 12.—	500 g 44.—
72620	4-Nitroacetophenone purum M.P. 77-79° $NO_2C_6H_4COCH_3$ $C_8H_7NO_3$ M_r 165.15 [100-19-6]			250 g 50.—	1 kg 175.—
	2-Nitroaniline 6.1/21f $NO_2C_6H_4NH_2$ $C_6H_6N_2O_2$ M_r 138.13 [88-74-4] puriss. >99%(HPLC); M.P. 70-72°; 1 g clearly soluble in 10 ml Methanol; Indicator in non-aqueous solutions purum >98%(HPLC); M.P. 69-71°			100 g 20.— 250 g 9.—	500 g 85.— 1 kg 28.—
72670	3-Nitroaniline purum >98%(HPLC); M.P. 112-113°; 1 g clearly soluble in 10 ml Dioxane 6.1/21f $NO_2C_6H_4NH_2$ $C_6H_6N_2O_2$ M_r 138.13 [99-09-2]			250 g 17.—	1 kg 60.—
	4-Nitroaniline 6.1/21f $NO_2C_6H_4NH_2$ $C_6H_6N_2O_2$ M_r 138.13 [100-01-6] puriss. p.a. >99%(HPLC); M.P. 147.5-149°; Ash <0.05%; Indicator in non-aqueous solutions purum >98%(HPLC); M.P. 146-148°			25 g 7.— 250 g 9.—	100 g 18.— 500 g 75.— 1 kg 30.—
72700	3-Nitro-p-anisidine (4-Amino-3-nitroanisole; 4-Methoxy-2-nitroaniline) $NO_2C_6H_3(NH_2)OCH_3$ $C_7H_8N_2O_3$ M_r 168.15 [96-96-8] pract. ~95%(NT); M.P. 123-125°			100 g 11.—	500 g 46.—
	2-Nitroanisole $NO_2C_6H_4OCH_3$ $C_7H_7NO_3$ M_r 153.14 [91-23-6] pract. >98%(GC); M.P. 9-12°; B.P. 270-273°; d_4^{20} 1.25; n_D^{20} 1.561		1 lt ≈ 1.25 kg	250 ml 11.—	1 lt 38.—
72730	4-Nitroanisole pract. >97%(HPLC); M.P. 51-53°; 1 g clearly soluble in 10 ml Methanol $NO_2C_6H_4OCH_3$ $C_7H_7NO_3$ M_r 153.14 [100-17-4]			250 g 13.—	1 kg 45.—
72740	9-Nitroanthracene purum M.P. 141-143° $C_6H_4C(NO_2):C_6H_4:CH$ $C_{14}H_9NO_2$ M_r 223.23 [602-60-8]			10 g 30.—	50 g 125.—
	4-Nitroanthranilic acid see 08830 2-Amino-4-nitrobenzoic acid				
	N_ω-Nitro-L-arginine HN:C(NHNO ₂)NH(CH ₂) ₃ CH(NH ₂)COOH $C_6H_{13}N_5O_4$ M_r 219.20 [2149-70-4] puriss. CHR; >99%(NT); M.P. 255-260°; $[\alpha]_{540}^{20} + 29 \pm 1^\circ$; $[\alpha]_D^{20} + 24 \pm 1^\circ$ (c = 4 in 2n HCl); Ash <0.05%			10 g 20.—	50 g 85.—
	N_ω-Nitro-L-arginine methyl ester hydrochloride HN:C(NHNO ₂)NH(CH ₂) ₃ CH(NH ₂)COOCH ₃ ·HCl $C_7H_{15}N_5O_4 \cdot HCl$ M_r 269.69 [51298-62-5] puriss. >99%(Cl); M.P. ~255°dec.; $[\alpha]_{540}^{20} + 18.5 \pm 1^\circ$; $[\alpha]_D^{20} + 15.5 \pm 1^\circ$ (c = 3 in CH ₃ OH)			5 g 20.—	25 g 85.—
72780	2-Nitrobenzaldehyde puriss. p.a. >99%(HPLC); M.P. 42-43° $NO_2C_6H_4CHO$ $C_7H_5NO_3$ M_r 151.12 [552-89-6]			10 g 12.—	50 g 50.—



				sFr.	sFr.
3-Nitrobenzaldehyde					
	$\text{NO}_2\text{C}_6\text{H}_4\text{CHO}$	$\text{C}_7\text{H}_5\text{NO}_3$	M_r 151.12 [99-61-6]		
72790	purum $\sim 97\%$ (HPLC) + $\sim 1\%$ 3-Nitrobenzoic acid; M.P. 55-58°			100 g 10. —	500 g 37. —
4-Nitrobenzaldehyde					
	$\text{NO}_2\text{C}_6\text{H}_4\text{CHO}$	$\text{C}_7\text{H}_5\text{NO}_3$	M_r 151.12 [555-16-8]		
72800	puriss. p.a. $>99\%$ (HPLC); M.P. 104-106°; Ash $<0.05\%$			10 g 20. —	50 g 85. —
72802	purum $>98\%$ (HPLC); M.P. 103-105°			25 g 10. —	100 g 35. —
72803	2-Nitrobenzamide purum $>98\%$ (N); M.P. 174-176°			10 g 15. —	50 g 63. —
	$\text{NO}_2\text{C}_6\text{H}_4\text{CONH}_2$	$\text{C}_7\text{H}_6\text{N}_2\text{O}_3$	M_r 166.14 [610-15-1]		
72804	3-Nitrobenzamide purum $>98\%$ (N); M.P. 140-141°			25 g 23. —	100 g 85. —
	$\text{NO}_2\text{C}_6\text{H}_4\text{CONH}_2$	$\text{C}_7\text{H}_6\text{N}_2\text{O}_3$	M_r 166.14 [645-09-0]		
Nitrobenzene					
	3/4; 88°	$\text{C}_6\text{H}_5\text{NO}_2$	M_r 123.11 [98-95-3]		
72980	puriss. p.a. M.P. 5-7°; B.P. ₁₀ 83-84°; d_4^{20} 1.205; n_D^{20} 1.552			1 lt $\approx$ 1.21 kg	1 lt 14. — 2.5 lt 31. —
	Fluka-Guarantee:				
	Assay (GC)	$>99.5\%$	Nickel (Ni)	$<0.00001\%$	
	Residue on evaporation	$<0.005\%$	Cadmium (Cd)	$<0.00001\%$	
	Acid (as HNO_3)	$<0.003\%$	Copper (Cu)	$<0.00001\%$	
	Chloride (Cl)	$<0.0005\%$	Lead (Pb)	$<0.00001\%$	
	Iron (Fe)	$<0.00005\%$	Zinc (Zn)	$<0.00001\%$	
	Cobalt (Co)	$<0.00001\%$			
Nitrobenzene-d₅ (Pentadeuteronitrobenzene)					
	6.1/21	$\text{C}_6\text{D}_5\text{NO}_2$	M_r 128.14 [4165-60-0]		
76598	purum >99 Atom% D; $<0.02\%$ $\text{H}_2\text{O} + \text{D}_2\text{O}$ (with Fluka-Guarantee)			1 lt $\approx$ 1.20 kg	5 ml 50. —
73025	4-Nitrobenzenediazonium fluoroborate purum $>97\%$ (N)			10 g 16. —	50 g 67. —
	$\text{NO}_2\text{C}_6\text{H}_4\text{N}:\text{NBF}_4$	$\text{C}_6\text{H}_4\text{BF}_4\text{N}_3\text{O}_2$	M_r 236.92		
5-Nitrobenzene-1,3-dicarboxylic acid see 73450 5-Nitroisophthalic acid					
2-Nitrobenzenesulfonyl chloride (2-Nitrophenyl sulfonyl chloride)					
	8/12	$\text{NO}_2\text{C}_6\text{H}_4\text{SO}_2\text{Cl}$	$\text{C}_6\text{H}_4\text{ClNO}_2\text{S}$	M_r 189.62 [7669-54-7]	
73740	puriss. biochim. $>99\%$ (Cl); M.P. 74-75.5°; Ash $<0.05\%$; store in refrigerator; N-protecting group (peptide synth.): L. Zervas, D. Borovas and E. Gazis, J. Am. Chem. Soc. 85, 3660 (1963); E. Wünsch, A. Fontana, A. E. Scoffone and R. Rocchi, Biochemistry 7, 971 (1968); A. Fontana, E. Scoffone, Biochemistry 7, 980 (1969)			5 g 9. —	25 g 33. — 100 g 120. —
73050	3-Nitrobenzenesulfonic acid Sodium salt pract. $\sim 95\%$; 1 g clearly soluble in 10 ml water			250 g 8. —	1 kg 25. —
	$\text{NO}_2\text{C}_6\text{H}_4\text{SO}_3\text{Na}$	$\text{C}_6\text{H}_4\text{NNaO}_3\text{S}$	M_r 225.16 [127-68-4]		
2-Nitrobenzenesulfonyl chloride					
		$\text{NO}_2\text{C}_6\text{H}_4\text{SO}_2\text{Cl}$	$\text{C}_6\text{H}_4\text{ClNO}_2\text{S}$	M_r 221.62 [1694-92-4]	
73030	purum $>97\%$ (Cl); M.P. 65-67°			25 g 14. —	100 g 50. —
73032	pract. $\sim 95\%$ (Cl); M.P. 63-67°; $\text{H}_2\text{O} \sim 5\%$			100 g 14. —	500 g 60. —
73033	3-Nitrobenzenesulfonyl chloride purum $>99\%$ (Cl); M.P. 61-62°			25 g 13. —	100 g 45. —
	$\text{NO}_2\text{C}_6\text{H}_4\text{SO}_2\text{Cl}$	$\text{C}_6\text{H}_4\text{ClNO}_2\text{S}$	M_r 221.62 [121-51-7]		
73035	4-Nitrobenzenesulfonyl chloride purum $>98\%$ (Cl); M.P. 74-77°			10 g 18. —	50 g 75. —
	$\text{NO}_2\text{C}_6\text{H}_4\text{SO}_2\text{Cl}$	$\text{C}_6\text{H}_4\text{ClNO}_2\text{S}$	M_r 221.62 [98-74-8]		
1-(4-Nitrobenzenesulfonyl)-1H-1,2,4-triazole [D-NBST; 1-(4-Nitrophenylsulfonyl)-1H-1,2,4-triazole]					
		$\text{NO}_2\text{C}_6\text{H}_4\text{SO}_2\text{NN}:\text{CHN}:\text{CH}$	$\text{C}_8\text{H}_6\text{N}_4\text{O}_4\text{S}$	M_r 254.23 [57777-84-1]	
73055	purum $>98\%$ (N); M.P. 149-151°; Condensing reagent for the synthesis of polynucleotides of defined sequence; K. Itakura et al., Can. J. Chem. 52, 3689 (1974)			5 g 29. —	25 g 120. —
72830	2-Nitrobenzhydrazide purum $>98\%$ (N); M.P. 121-123° (2-Nitrobenzoylhydrazine)			10 g 25. —	
	$\text{NO}_2\text{C}_6\text{H}_4\text{CONHNH}_2$	$\text{C}_7\text{H}_7\text{N}_3\text{O}_3$	M_r 181.15 [606-26-8]		
72840	3-Nitrobenzhydrazide puriss. p.a. M.P. 153-154° (3-Nitrobenzoylhydrazine)			25 g 35. —	
	$\text{NO}_2\text{C}_6\text{H}_4\text{CONHNH}_2$	$\text{C}_7\text{H}_7\text{N}_3\text{O}_3$	M_r 181.15 [618-94-0]		
4-Nitrobenzhydrazide (4-Nitrobenzoylhydrazine)					
		$\text{NO}_2\text{C}_6\text{H}_4\text{CONHNH}_2$	$\text{C}_7\text{H}_7\text{N}_3\text{O}_3$	M_r 181.15 [636-97-5]	
72850	purum M.P. 214-216°; for the quantitative determination of Hydroxymethylsulfide			25 g 40. —	
72862	5-Nitrobenzimidazole purum $>98\%$ (N); M.P. 202-204°; $\text{H}_2\text{O} <0.5\%$			25 g 13. —	100 g 45. —
	$\text{NO}_2\text{C}_6\text{H}_3\text{NHCH:N}$	$\text{C}_7\text{H}_5\text{N}_3\text{O}_2$	M_r 163.14 [94-52-0]		



			sFr.	sFr.
72870	5-Nitrobenzimidazole nitrate purum for Photography; >98%(T); M.P. 218-220° NO ₂ C ₆ H ₃ NHCH:N.HNO ₃ C ₇ H ₅ N ₃ O ₂ .HNO ₃ M _r 226.15 [27896-84-0]		100 g 20. —	500 g 85. —
	5-Nitro-1,3-benzodioxole see 66806 3,4-Methylenedioxy nitrobenzene			
72892	2-Nitrobenzoic acid purum >99%(T); M.P. 144-146°; 1 g clearly soluble in 10 ml Methanol NO ₂ C ₆ H ₄ COOH C ₇ H ₅ NO ₄ M _r 167.12 [552-16-9]		250 g 16. —	1 kg 55. —
72902	3-Nitrobenzoic acid purum >98%(T); M.P. 139-141° NO ₂ C ₆ H ₄ COOH C ₇ H ₅ NO ₄ M _r 167.12 [121-92-6]		250 g 13. —	1 kg 45. —
72910	4-Nitrobenzoic acid purum >99%(T); M.P. 237-239°; 1 g clearly soluble in 10 ml Dioxane NO ₂ C ₆ H ₄ COOH C ₇ H ₅ NO ₄ M _r 167.12 [62-23-7]		250 g 8. —	1 kg 25. —
	4-Nitrobenzoic acid methyl ester see 72962 Methyl 4-nitrobenzoate			
73060	2-Nitrobenzonitrile purum >98%(N); M.P. 108-110° 6.1/21 NO ₂ C ₆ H ₄ CN C ₇ H ₄ N ₂ O ₂ M _r 148.12 [612-24-8]		10 g 16. —	50 g 67. —
73070	3-Nitrobenzonitrile purum >97%(N); M.P. 114-117° 6.1/21 NO ₂ C ₆ H ₄ CN C ₇ H ₄ N ₂ O ₂ M _r 148.12 [619-24-9]		10 g 22. —	50 g 90. —
73080	4-Nitrobenzonitrile purum >98%(N); M.P. 144-147°; Ash <0.1% 6.1/21 NO ₂ C ₆ H ₄ CN C ₇ H ₄ N ₂ O ₂ M _r 148.12 [619-72-7]		10 g 16. —	50 g 67. —
	2- and 3-Nitrobenzotrifluoride see 73085 and 73090 2- and 3-Nitro-α,α,α-trifluorotoluene			
73100	2-Nitrobenzoyl chloride purum >97%(Cl); M.P. 17-20°; store in refrigerator 8/22 NO ₂ C ₆ H ₄ COCl C ₇ H ₄ ClNO ₃ M _r 185.57 [610-14-0]		50 g 15. —	250 g 63. —
73110	3-Nitrobenzoyl chloride puriss. >99%(Cl); M.P. 32-34°; store in refrigerator 8/12 NO ₂ C ₆ H ₄ COCl C ₇ H ₄ ClNO ₃ M _r 185.57 [121-90-4]		100 g 12. —	500 g 40. —
	4-Nitrobenzoyl chloride 8/12 NO ₂ C ₆ H ₄ COCl C ₇ H ₄ ClNO ₃ M _r 185.57 [122-04-3]			
73120	puriss. p.a.; store in refrigerator Fluka-Guarantee: Assay >99.5% Solubility: 1 g 4-Nitrobenzoyl chloride M.P. 71-73° is completely soluble as well in 20 ml Residue on ignition Ethanol as in 20 ml Diethyl ether (as Sulfate) <0.05% given a clear solution		100 g 20. —	500 g 85. —
73122	pract. >95%(Cl); M.P. 69-72°; store in refrigerator		250 g 13. —	1 kg 45. —
	2-, 3- and 4-Nitrobenzoylhydrazine see 72830, 72840 and 72850 2-, 3- and 4-Nitrobenzhydrazide			
73140	2-Nitrobenzyl alcohol purum M.P. 69-72° NO ₂ C ₆ H ₄ CH ₂ OH C ₇ H ₇ NO ₃ M _r 153.14 [612-25-9]		10 g 22. —	50 g 90. —
73150	3-Nitrobenzyl alcohol purum >98%(GC); M.P. 25-28° NO ₂ C ₆ H ₄ CH ₂ OH C ₇ H ₇ NO ₃ M _r 153.14 [619-25-0]	1 lt ≈ 1.22 kg	10 ml 16. —	50 ml 67. —
73160	4-Nitrobenzyl alcohol purum >97%(GC); M.P. 90-92° NO ₂ C ₆ H ₄ CH ₂ OH C ₇ H ₇ NO ₃ M _r 153.14 [619-73-8]		25 g 18. —	100 g 65. —
73170	4-Nitrobenzyl bromide purum >97%(HPLC); M.P. 97-99° (α-Bromo-4-nitrotoluene) 6.1/23 NO ₂ C ₆ H ₄ CH ₂ Br C ₇ H ₆ BrNO ₂ M _r 216.04 [100-11-8]		25 g 10. —	100 g 32. —
73180	2-Nitrobenzyl chloride puriss. ~99%(HPLC); M.P. 48-50° (α-Chloro-2-nitrotoluene) 6.1/23 NO ₂ C ₆ H ₄ CH ₂ Cl C ₇ H ₆ ClNO ₂ M _r 171.58 [612-23-7]		10 g 25. —	50 g 105. —
	4-Nitrobenzyl chloride (α-Chloro-4-nitrotoluene) 6.1/23 NO ₂ C ₆ H ₄ CH ₂ Cl C ₇ H ₆ ClNO ₂ M _r 171.58 [100-14-1]			
73185	purum >99%(HPLC); M.P. 70-73°; 4-Nitrobenzoic acid ~1%		25 g 13. —	100 g 45. —
73187	techn. 85-90%(HPLC); M.P. 60-67°		100 g 28. —	500 g 120. —
23230	4-Nitrobenzyl chloroformate purum ~97%(Cl); M.P. 32-34°; store in refrigerator 6.1/23 ClCOOCH ₂ C ₆ H ₄ NO ₂ C ₈ H ₆ ClNO ₄ M _r 215.60 [4457-32-3]		10 g 22. —	50 g 90. —
	4-Nitrobenzyl cyanide see 73600 4-Nitrophenylacetonitrile			
	O-(4-Nitrobenzyl)hydroxylamine hydrochloride NH ₂ OCH ₂ C ₆ H ₄ NO ₂ .HCl C ₇ H ₈ N ₂ O ₃ .HCl M _r 204.61 [2086-26-2]			
73200	puriss. >99%(Cl); M.P. 222-224° dec.; Reagent for the preparation of N-(4-nitrobenzyloxy)amino acids as substrates for the unambiguous N-hydroxy peptide synthesis: T. Kolasa, A. Chimiak, Tetrahedron 30, 3591 (1974)		1 g 22. —	5 g 90. —



					sFr.	sFr.
	4-(4-Nitrobenzyl)pyridine					
	$\text{NO}_2\text{C}_6\text{H}_4\text{CH}_2\text{C}(\text{CH}_3)\text{CH}(\text{CH}_3)\text{NCH}(\text{CH}_3)\text{CH}$ $\text{C}_{12}\text{H}_{10}\text{N}_2\text{O}_2$ M_r 214.23 [1083-48-3]					
73210	purum p.a. M.P. 69-71°; Ash <0.1%; for the analysis of Phosgene; Lit.: Analyst 84, 463 (1959)		5 g 12. —	25 g 50. —	250 g 210. —	
	4-Nitrobiphenyl					
	6.1/21	$\text{C}_6\text{H}_5\text{C}_6\text{H}_4\text{NO}_2$ $\text{C}_{12}\text{H}_9\text{NO}_2$ M_r 199.21 [92-93-3]				
73230	purum >98% (HPLC); M.P. 112-115°; 1 g clearly soluble in 10 ml Dioxane; Human carcinogen			100 g 22. —	500 g 90. —	
	p-Nitro Blue tetrazolium chloride see 74030 Nitrotetrazolium Blue chloride					
73250	1-Nitrobutane	purum ~99% (GC); B.P. 148-152°; d_4^{20} 0.977; n_D^{20} 1.410 3/3; 44° $\text{CH}_3(\text{CH}_2)_3\text{NO}_2$ $\text{C}_4\text{H}_9\text{NO}_2$ M_r 102.12 [627-05-4]	1 lt ≈ 0.98 kg	5 ml 26. —	25 ml 110. —	
	4-Nitrocatechol (1,2-Dihydroxy-4-nitrobenzene; 4-Nitropyrocatechol)					
		$\text{NO}_2\text{C}_6\text{H}_3(\text{OH})_2$ $\text{C}_6\text{H}_5\text{NO}_4$ M_r 155.11 [3316-09-4]				
73240	purum p.a. >98% (T); M.P. 173-175°; for spectrophotometric determination of Ge(IV); Lit.: Mh. Chem. 93, 1404 (1962)			5 g 24. —	25 g 100. —	
	trans-2-Nitrocinnamaldehyde [trans-3-(2-Nitrophenyl)-2-propenal]					
		$\text{NO}_2\text{C}_6\text{H}_4\text{CH}(\text{CH}_3)\text{CHO}$ $\text{C}_9\text{H}_7\text{NO}_3$ M_r 177.16 [1466-88-2]				
74110	purum >98% (T); M.P. 127-129°			10 g 16. —	50 g 67. —	
74130	trans-2-Nitrocinnamic acid	purum >98% (T); M.P. 244-246° [3-(2-Nitrophenyl)acrylic acid] $\text{NO}_2\text{C}_6\text{H}_4\text{CH}(\text{CH}_3)\text{COOH}$ $\text{C}_9\text{H}_7\text{NO}_4$ M_r 193.16 [612-41-9]		10 g 18. —	50 g 75. —	
74135	trans-3-Nitrocinnamic acid	purum >98% (T); M.P. 200-202° [3-(3-Nitrophenyl)acrylic acid] $\text{NO}_2\text{C}_6\text{H}_4\text{CH}(\text{CH}_3)\text{COOH}$ $\text{C}_9\text{H}_7\text{NO}_4$ M_r 193.16 [555-68-0]		25 g 18. —	100 g 65. —	
	trans-4-Nitrocinnamic acid [trans-3-(4-Nitrophenyl)acrylic acid]					
		$\text{NO}_2\text{C}_6\text{H}_4\text{CH}(\text{CH}_3)\text{COOH}$ $\text{C}_9\text{H}_7\text{NO}_4$ M_r 193.16 [882-06-4]				
74140	purum >98% (T); M.P. 289-292° dec.			10 g 13. —	50 g 55. —	
	4-Nitro-m-cresol (5-Hydroxy-2-nitrotoluene; 3-Methyl-4-nitrophenol)					
	6.1/21	$\text{CH}_3\text{C}_6\text{H}_3(\text{NO}_2)\text{OH}$ $\text{C}_7\text{H}_7\text{NO}_3$ M_r 153.14 [2581-34-2]				
73460	purum >98% (HPLC); M.P. 127-129°; 1 g clearly soluble in 10 ml Methanol			100 g 22. —	500 g 90. —	
	p-Nitrocumene see 59645 4-Isopropylnitrobenzene					
	Nitrocyclopentane					
	6.1/11	$\text{NO}_2\text{C}(\text{CH}_2)_4\text{CH}_2$ $\text{C}_5\text{H}_9\text{NO}_2$ M_r 115.13 [2562-38-1]				
73305	purum >97% (GC); B.P. 75°; d_4^{20} 1.081; n_D^{20} 1.453; light sensitive; store in refrigerator		1 lt ≈ 1.08 kg	5 ml 50. —	25 ml 210. —	
	asym.-Nitro-o-dichlorobenzene see 36050 3,4-Dichloronitrobenzene					
	asym.-Nitro-m-dichlorobenzene see 36030 2,4-Dichloronitrobenzene					
	vic.-Nitro-o-dichlorobenzene see 36020 2,3-Dichloronitrobenzene					
	sym.-Nitro-m-dichlorobenzene see 36060 3,5-Dichloronitrobenzene					
	Nitro-p-dichlorobenzene see 36040 2,5-Dichloronitrobenzene					
73322	2-Nitrodiphenylamine	purum M.P. 71-75° $\text{NO}_2\text{C}_6\text{H}_4\text{NHC}_6\text{H}_5$ $\text{C}_{12}\text{H}_{10}\text{N}_2\text{O}_2$ M_r 214.23 [119-75-5]		100 g 13. —	500 g 55. —	
73310	4-Nitrodiphenyl ether	purum M.P. 54-56° $\text{C}_6\text{H}_5\text{OC}_6\text{H}_4\text{NO}_2$ $\text{C}_{12}\text{H}_9\text{NO}_3$ M_r 215.21 [620-88-2]		25 g 18. —	100 g 65. —	
	Nitroethane					
	3/3; 28°	$\text{CH}_3\text{CH}_2\text{NO}_2$ $\text{C}_2\text{H}_5\text{NO}_2$ M_r 75.07 [79-24-3]				
72630	pract. ~90-95% (GC); B.P. 112-115°; d_4^{20} 1.048; n_D^{20} 1.391		1 lt ≈ 1.05 kg	250 ml 9. —	1 lt 28. —	5 lt 125. —
72632	2-Nitroethanol	pract. ~97% (GC); B.P. 203-206°; d_4^{20} 1.295; n_D^{20} 1.445 $\text{NO}_2\text{CH}_2\text{CH}_2\text{OH}$ $\text{C}_2\text{H}_5\text{NO}_3$ M_r 91.07 [625-48-9]	1 lt ≈ 1.30 kg	5 ml 17. —	25 ml 70. —	
	2- and 4-Nitroethylbenzene see 72640 and 72650 2- and 4-Ethyl nitrobenzene					
73330	2-Nitrofluorene	purum $\text{C}_9\text{H}_6\text{CH}_2\text{C}_6\text{H}_4\text{NO}_2$ $\text{C}_{13}\text{H}_9\text{NO}_2$ M_r 211.22 [607-57-8]		25 g 18. —		
73331	5-Nitro-2-furfural diacetylacetal	purum M.P. 89-91° (Nitrofurfurylidene diacetate) $\text{QC}(\text{NO}_2)\text{CHCH}(\text{CH}_3)\text{C}(\text{CH}_3)(\text{OCOCCH}_3)_2$ $\text{C}_9\text{H}_9\text{NO}_7$ M_r 243.18 [92-55-7]		250 g 20. —	1 kg 70. —	

sFr.

sFr.

5-Nitro-2-furfuralsemicarbazone (NFZ; Furacin) $\text{QC}(\text{NO}_2): \text{CHCH}:\text{CCH}:\text{NNHCONH}_2$ $\text{C}_6\text{H}_6\text{N}_4\text{O}_4$ M_r 198.14 [59-87-0]

73340 purum >98% (N); M.P. 239-242° dec.; Ash <0.1% 100 g 13. — 500 g 55. —

Nitrogen tetroxide2/3at N_2O_4 M_r 92.01 [10544-72-6]

85844 purum Cyl. with 5 lt, net ~6.0 kg 780. — (price of gas 280. —)

Nitroguanidine4.1/16 $\text{NO}_2\text{NHC}(\text{:NH})\text{NH}_2$ $\text{CH}_4\text{N}_4\text{O}_2$ M_r 104.07 [556-88-6]73350 purum >98% (N); M.P. ~245° dec.; moistened with 10% H_2O ; 1 g clearly and colourless soluble in 10 ml water 250 g 13. — 1 kg 45. —73360 **1-Nitrohexane** purum >98% (GC); B.P., 78-80°; d_4^{20} 0.939; n_D^{20} 1.424 1 lt ≈ 0.94 kg 5 ml 32. — 25 ml 135. —
3/4; 72° $\text{CH}_3(\text{CH}_2)_5\text{NO}_2$ $\text{C}_6\text{H}_{13}\text{NO}_2$ M_r 131.18 [646-14-0]**Nitrohydroxyazo III** [2,7-Bis(2-hydroxy-5-nitrophenylazo)chromotropic acid Pentasodium salt] $\text{C}_{22}\text{H}_9\text{Na}_5\text{N}_6\text{O}_{14}\text{S}_2 \cdot 8\text{H}_2\text{O}$ M_r 904.55 [15574-16-0] (free acid)

73395 p.a. 1 g 45. —

73409 **5-Nitroindazole** purum >98% (N); M.P. 208-210° 25 g 14. — 100 g 50. —
 $\text{NO}_2\text{C}_6\text{H}_3\text{NHN}:\text{CH}$ $\text{C}_7\text{H}_5\text{N}_3\text{O}_2$ M_r 163.14 [5401-94-5]**5-Nitroisophthalic acid** (5-Nitrobenzene-1,3-dicarboxylic acid) $\text{NO}_2\text{C}_6\text{H}_3(\text{COOH})_2$ $\text{C}_8\text{H}_5\text{NO}_6$ M_r 211.13 [618-88-2]

73450 purum >98% (T); M.P. 259-261°; Ash <0.1% 100 g 12. — 500 g 50. —

Nitromethane3/3; 36° CH_3NO_2 M_r 61.04 [75-52-5]73480 puriss. p.a. B.P. 98-101°; d_4^{20} 1.134; n_D^{20} 1.382 1 lt ≈ 1.13 kg 100 ml 10. — 500 ml 42. —

Fluka-Guarantee:

Assay (GC) >99.0 % Copper (Cu) <0.00001%

Water (H_2O) <0.5 % Lead (Pb) <0.00001%

Residue on evaporation <0.005 % Zinc (Zn) <0.0005 %

Iron (Fe) <0.00005%

73481 purum >98% (GC); B.P. 97-101°; d_4^{20} 1.136; n_D^{20} 1.382 1 lt ≈ 1.14 kg 250 ml 10. — 1 lt 35. —**Nitromethane- d_3** (Trideuteronitromethane)3/3; 35° CD_3NO_2 M_r 64.06 [13031-32-8]91658 purum >99 Atom% D; <0.02% $\text{H}_2\text{O} + \text{D}_2\text{O}$ 1 lt ≈ 1.19 kg 5 ml 45. — 25 ml 190. —
(with Fluka-Guarantee)**Nitron** (4,5-Dihydro-1,4-diphenyl-3,5-phenylimino-1H-1,2,4-triazole) $\text{C}_{20}\text{H}_{16}\text{N}_4$ M_r 312.38 [2218-94-2]

73490 puriss. p.a. M.P. 189-190° dec.; for the gravimetric determination of W; Chem. Age 64, 601 (1951); for Picric acid determination in Picrates; Analyst 79, 289 (1954) 10 g 14. — 50 g 60. —

73500 **1-Nitronaphthalene** (α) purum >98% (GC); M.P. 56-58° 100 g 7. — 500 g 20. —
6.1/21 $\text{C}_{10}\text{H}_7\text{NO}_2$ M_r 173.17 [86-57-7]**4-Nitro-1-naphthylamine** see 08890 1-Amino-4-nitronaphthalene73508 **Nitronium tetrafluoroborate** purum 10 g 65. —
8/15 NO_2BF_4 BF_4NO_2 M_r 132.81 [13826-86-3]73510 **1-Nitropentane** purum >97% (GC); B.P., 70-72°; d_4^{20} 0.954; n_D^{20} 1.417 1 lt ≈ 0.95 kg 5 ml 29. — 25 ml 120. —
3/4; 61° $\text{CH}_3(\text{CH}_2)_4\text{NO}_2$ $\text{C}_6\text{H}_{11}\text{NO}_2$ M_r 117.15 [628-05-7]73515 **4-Nitroperbenzoic acid** techn. ~80-90% (NT); ~10-20% 4-Nitrobenzoic acid 5 g 17. — 25 g 63. —
5.2/d40 $\text{NO}_2\text{C}_6\text{H}_4\text{COOOH}$ $\text{C}_7\text{H}_5\text{NO}_5$ M_r 183.12 [943-39-5]**4-Nitrophenylacetyl bromide** see 17670 ω -Bromo-4-nitroacetophenone73520 **5-Nitro-1,10-phenanthroline** p.a. ~95% (NT); M.P. 197-202°; H_2O ~5%; Redox-Indicator 250 mg 12. — 1 g 40. —
 $\text{C}_{12}\text{H}_7\text{N}_3\text{O}_2 \cdot 8\text{H}_2\text{O}$ M_r 225.21 + aq [4199-88-6]73531 **4-Nitrophenetole** pract. M.P. 54-56° (1-Ethoxy-4-nitrobenzene) 250 g 14. — 1 kg 50. —
 $\text{NO}_2\text{C}_6\text{H}_4\text{OC}_2\text{H}_5$ $\text{C}_8\text{H}_9\text{NO}_3$ M_r 167.16 [100-29-8]**2-Nitrophenol**6.1/22 $\text{NO}_2\text{C}_6\text{H}_4\text{OH}$ $\text{C}_6\text{H}_5\text{NO}_3$ M_r 139.11 [88-75-5]

73540 puriss. p.a. >99% (HPLC); M.P. 45-46°; Indicator pH 5.0-7.0 25 g 7. — 100 g 18. — 500 g 75. —

73542 purum >98% (HPLC); M.P. 43-45° 250 g 9. — 1 kg 30. —



						sFr.	sFr.
	3-Nitrophenol						
	6.1/22	NO ₂ C ₆ H ₄ OH	C ₆ H ₅ NO ₃	M _r 139.11	[554-84-7]		
73550		puriss. p.a. >99% (HPLC); M.P. 96-97°; Indicator pH 6.6-8.6				10 g	9.—
73552		pract. ~95% (HPLC); M.P. 94-96°				50 g	24.—
	4-Nitrophenol						
	6.1/22	NO ₂ C ₆ H ₄ OH	C ₆ H ₅ NO ₃	M _r 139.11	[100-02-7]		
73560		puriss. p.a. >99% (HPLC); M.P. 112-114°; Indicator pH 5.6-7.6				25 g	7.—
73562		pract. ~97% (HPLC); M.P. 108-112°				100 g	14.—
						250 g	8.—
						500 g	60.—
						1 kg	25.—
	2-Nitrophenol-4-arsonic acid (4-Hydroxy-3-nitrobenzenearsonic acid; 4-Hydroxy-3-nitrophenylarsonic acid)						
	6.1/81g	HOC ₆ H ₃ (NO ₂)AsO(OH) ₂	C ₆ H ₅ AsNO ₆	M _r 263.04	[121-19-7]		
73570		purum p.a. >98% (T); for the photometric determination of Sn				100 g	18.—
						500 g	75.—
73590	2-Nitrophenoxyacetic acid	purum >98% (T); M.P. 157-159°				10 g	20.—
		NO ₂ C ₆ H ₄ OCH ₂ COOH	C ₆ H ₇ NO ₅	M _r 197.15	[1878-87-1]		50 g 85.—
	4-Nitrophenyl acetate						
		CH ₃ COOC ₆ H ₄ NO ₂	C ₆ H ₇ NO ₄	M _r 181.15	[830-03-5]		
46021		puriss. biochim. >99% (GC); M.P. 77-79°; substrate for the determination of lipase				10 g	18.—
						50 g	75.—
73648	2-Nitrophenylacetic acid	purum				25 g	46.—
		NO ₂ C ₆ H ₄ CH ₂ COOH	C ₆ H ₇ NO ₄	M _r 181.15	[3740-52-1]		
73650	4-Nitrophenylacetic acid	purum >98% (T); M.P. 152-155°; 1 g clearly soluble in 10 ml Methanol				50 g	24.—
		NO ₂ C ₆ H ₄ CH ₂ COOH	C ₆ H ₇ NO ₄	M _r 181.15	[104-03-0]		250 g 100.—
73600	4-Nitrophenylacetoneitrile	purum M.P. 113-115° (4-Nitrobenzyl cyanide)				25 g	12.—
	6.1/21	NO ₂ C ₆ H ₄ CH ₂ CN	C ₆ H ₆ N ₂ O ₂	M _r 162.15	[555-21-5]		100 g 40.—
	3-(2-Nitrophenyl)acrylic acid	see 74130 2-Nitrocinnamic acid					
	3-(3-Nitrophenyl)acrylic acid	see 74135 3-Nitrocinnamic acid					
	trans-3-(4-Nitrophenyl)acrylic acid	see 74140 trans-4-Nitrocinnamic acid					
	2-(4-Nitrophenylazo)chromotropic acid Disodium salt	see 27130 Chromotrop 2 B					
	4-Nitrophenylazo-4'-(1-naphtol) (Magneson II)						
		NO ₂ C ₆ H ₄ N:NC ₁₀ H ₆ OH	C ₁₆ H ₁₁ N ₃ O ₃	M _r 293.28	[5290-62-0]		
73000		p.a. M.P. ~275° dec.; Ash <0.05%; for the determination of Mg; Mikrochemie 35, 560 (1950)				10 g	8.—
						50 g	29.—
	5-(3-Nitrophenylazo)salicylic acid	see 05570 Alizarin Yellow 2 G					
	5-(4-Nitrophenylazo)salicylic acid	see 05580 Alizarin Yellow R					
	4-Nitrophenylazo-4'-orcine						
		4-NO ₂ C ₆ H ₄ N:N-4-C ₆ H ₂ -1,3-(OH) ₂ -5-CH ₃	C ₁₃ H ₁₁ N ₃ O ₄	M _r 273.25			
73010		p.a. M.P. ~210-215° dec.; Ash <0.3%; for the colorimetric determination of Be; Anal. Chem. 28, 1728 (1965)				10 g	30.—
						50 g	125.—
	4-Nitrophenylazo-4'-resorcinol (Azoviolet; Magneson I)						
		NO ₂ C ₆ H ₄ N:NC ₆ H ₃ (OH) ₂	C ₁₂ H ₉ N ₃ O ₄	M _r 259.22	[74-39-5]		
73020		p.a. M.P. 195-200° dec.; Ash <0.5%; for the determination of Mg; Adsorption Indicator				25 g	18.—
						100 g	65.—
23240	4-Nitrophenyl chloroformate	purum >97% (Cl); M.P. 76-79°; store in refrigeration				10 g	15.—
	6.1/23	ClCOOC ₆ H ₄ NO ₂	C ₇ H ₄ ClNO ₄	M _r 201.57	[7693-46-1]		50 g 63.—
73620	2-Nitro-p-phenylenediamine	pract. ~96% (NT); M.P. 135-138° (2,5-Diaminonitrobenzene)				100 g	15.—
		NO ₂ C ₆ H ₃ (NH ₂) ₂	C ₆ H ₇ N ₃ O ₂	M _r 153.14	[5307-14-2]		500 g 63.—
	4-Nitro-o-phenylenediamine (3,4-Diaminonitrobenzene)						
		NO ₂ C ₆ H ₃ (NH ₂) ₂	C ₆ H ₇ N ₃ O ₂	M _r 153.14	[99-56-2]		
73630		pract. >90% (NT); M.P. 200-202° dec.				100 g	14.—
						500 g	60.—
	4-Nitrophenyl formate						
	8/21	HCOOC ₆ H ₄ NO ₂	C ₇ H ₅ NO ₄	M _r 167.12	[1865-01-6]		
06554		puriss. biochim. >99% (HPLC); M.P. 71-73°; For the selective formylation of terminal amino groups in lysine and ornithine; J. C. Sheehan, D. H. Yang, J. Am. Chem. Soc. 80, 1154 (1958)				5 g	16.—
						25 g	67.—

			sFr.	sFr.
73660	2-Nitrophenyl-β-D-galactopyranoside HOCH ₂ CH(CHOH) ₃ CH(OC ₆ H ₄ NO ₂)O C ₁₂ H ₁₅ NO ₈ M _r 301.26 [369-07-3] puriss. M.P. 185-190° dec.; [α] _D ²⁰ -84±2°; [α] _D ²⁰ -66±2° (c = 1 in water); store in refrigerator		1 g 11.—	5 g 46.—
73653	4-Nitrophenyl-α-D-galactopyranoside HOCH ₂ CH(CHOH) ₃ CH(OC ₆ H ₄ NO ₂)O C ₁₂ H ₁₅ NO ₈ M _r 301.26 [7493-95-0] purum [α] _D ²⁰ +285±5°; [α] _D ²⁰ +240±5° (c = 1 in water); store in refrigerator		250 mg 12.—	1 g 40.—
73670	4-Nitrophenyl-β-D-galactopyranoside HOCH ₂ CH(CHOH) ₃ CH(OC ₆ H ₄ NO ₂)O C ₁₂ H ₁₅ NO ₈ M _r 301.26 [3150-24-1] puriss. M.P. 178-180°; [α] _D ²⁰ -100±3°; [α] _D ²⁰ -84±3° (c = 1 in water); store in refrigerator		1 g 22.—	5 g 90.—
73674	2-Nitrophenyl-β-D-glucopyranoside HOCH ₂ CH(CHOH) ₃ CH(OC ₆ H ₄ NO ₂)O C ₁₂ H ₁₅ NO ₈ M _r 301.26 [2816-24-2] purum [α] _D ²⁰ -123±2° (c = 2 in water); store in refrigerator		1 g 22.—	5 g 90.—
73673	4-Nitrophenyl-α-D-glucopyranoside HOCH ₂ CH(CHOH) ₃ CH(OC ₆ H ₄ NO ₂)O C ₁₂ H ₁₅ NO ₈ M _r 301.26 [3767-28-0] purum M.P. 206-212°; [α] _D ²⁰ +262±3°; [α] _D ²⁰ +217±3° (c = 1 in water); store in refrigerator		1 g 22.—	5 g 90.—
73676	4-Nitrophenyl-β-D-glucopyranoside HOCH ₂ CH(CHOH) ₃ CH(OC ₆ H ₄ NO ₂)O C ₁₂ H ₁₅ NO ₈ M _r 301.26 [2492-87-7] purum M.P. 164-166° dec.; [α] _D ²⁰ -122±2°; [α] _D ²⁰ -100±2° (c = 1 in water); store in refrigerator		1 g 14.—	5 g 60.—
73680	2-Nitrophenylhydrazine purum >98%(N); M.P. 90-92°; Ash <0.05% 6.1/21 NO ₂ C ₆ H ₄ NHNH ₂ C ₆ H ₇ N ₃ O ₂ M _r 153.14 [3034-19-3]		5 g 18.—	25 g 75.—
73700	4-Nitrophenylhydrazine 6.1/21 NO ₂ C ₆ H ₄ NHNH ₂ C ₆ H ₇ N ₃ O ₂ M _r 153.14 [100-16-3] purum p.a. >98%(N); M.P. 156-157° dec.; for Aldehyde and Ketone analysis		10 g 12.—	50 g 50.—
73710	3-Nitrophenylhydrazine hydrochloride purum >98%(Cl); M.P. ~215° dec. NO ₂ C ₆ H ₄ NHNH ₂ .HCl C ₆ H ₇ N ₃ O ₂ .HCl M _r 189.60 [636-95-3]		5 g 18.—	25 g 55.—
73720	4-Nitrophenylhydrazine hydrochloride NO ₂ C ₆ H ₄ NHNH ₂ .HCl C ₆ H ₇ N ₃ O ₂ .HCl M _r 189.60 [636-99-7] puriss. p.a. >99%(Cl); M.P. 205-210° dec.; Ash <0.05%		10 g 22.—	50 g 90.—
57865	Nitrophenyl iodoacetate ICH ₂ COOC ₆ H ₄ NO ₂ C ₈ H ₆ INO ₄ M _r 307.05 [31252-85-4] puriss. biochim. >99%(I); M.P. 79-82°; store in refrigerator; for the introduction of the iodoacetyl as an anchor group via sulfhydryl groups: E. N. Hudson, G. Weber, Biochem. 12, 4154 (1973)		5 g 20.—	25 g 85.—
73731	4-Nitrophenyl-α-D-mannopyranoside HOCH ₂ CH(CHOH) ₃ CH(OC ₆ H ₄ NO ₂)O C ₁₂ H ₁₅ NO ₈ M _r 301.26 [10357-27-4] purum M.P. 174-177°; [α] _D ²⁰ +186±4°; [α] _D ²⁰ +152±4° (c = 0.2 in water); store in refrigerator		250 mg 14.—	1 g 50.—
	1-(4-Nitrophenyl)-3-(4-phenylazophenyl)triazine see 20860 Cation			
73733	4-Nitrophenylphosphate bis(2-ethyl-2-amino-1,3-propanediol)salt (Phosphoric acid mono-(4-nitrophenylester)bis-(2-ethyl-2-amino-1,3-propanediol salt)) C ₁₆ H ₃₂ N ₃ O ₁₀ P M _r 457.42 [330-13-2] (free acid) purum		1 g 9.—	5 g 34.—
	4-Nitrophenylphosphate Disodium salt Hexahydrate see 71770 di-Sodium 4-nitrophenyl phosphate Hexahydrate			
	trans-3-(2-Nitrophenyl)-2-propenal see 74110 trans-2-Nitro-cinnamaldehyde			
73735	2-Nitrophenylselenocyanate NO ₂ C ₆ H ₄ SeCN C ₇ H ₄ N ₂ O ₂ Se M _r 227.08 [51694-22-5] pract. >97%(N); M.P. ~135° dec.; Reagent for a facile one-step synthesis of alkyl aryl selenides from alcohols: P. A. Grieco et al., J. Org. Chem. 41, 1485 (1976); T. Kametani et al., Bioorg. Chem. 7, 215 (1978); D. L. J. Clive, Tetrahedron 34, 1049 (1978); for cyanoselenylation of aldehydes: P. A. Grieco, Y. Yokoyama, J. Am. Chem. Soc. 99, 5210 (1977)		5 g 63.—	

				sFr.	sFr.
	2-Nitrophenylsulfonyl chloride see 73740 o-Nitrobenzenesulfonyl chloride				
	1-(4-Nitrophenylsulfonyl)-1H-1,2,4-triazole see 73055 1-(4-Nitrobenzenesulfonyl)-1H-1,2,4-triazole				
91735	4-Nitrophenyl trifluoroacetate purum >98%(GC); M.P. 36-38°; store in refrigerator		10 g 30. —	50 g 105. —	
8/21	$\text{CF}_3\text{COOC}_6\text{H}_4\text{NO}_2$ $\text{C}_8\text{H}_4\text{F}_3\text{NO}_4$ M_r 235.12 [658-78-6]				
	3-Nitrophthalic acid				
	$\text{NO}_2\text{C}_6\text{H}_3(\text{COOH})_2$ $\text{C}_8\text{H}_5\text{NO}_6$ M_r 211.13 [603-11-2]				
73760	purum ~99%(T); M.P. ~220° dec.; 1 g clearly soluble in 10 ml Methanol		100 g 25. —	500 g 105. —	
73770	4-Nitrophthalic acid purum >98%(T); M.P. 159-161°; 1 g clearly soluble in 10 ml Methanol		25 g 17. —	100 g 60. —	
	$\text{NO}_2\text{C}_6\text{H}_3(\text{COOH})_2$ $\text{C}_8\text{H}_5\text{NO}_6$ M_r 211.13 [610-27-5]				
73780	3-Nitrophthalic anhydride purum ~98%(NT); M.P. 162-165°		25 g 18. —	100 g 65. —	
	$\text{NO}_2\text{C}_6\text{H}_3\text{COOCO}$ $\text{C}_8\text{H}_3\text{NO}_5$ M_r 193.12 [641-70-3]				
	1-Nitropropane				
	3/3; 35° $\text{CH}_3\text{CH}_2\text{CH}_2\text{NO}_2$ $\text{C}_3\text{H}_7\text{NO}_2$ M_r 89.10 [108-03-2]				
73790	purum ~97%(GC); B.P. 129-131°; d_4^{20} 1.004; n_D^{20} 1.401; 2-Nitropropane ~3%	1 lt ≈ 1.00 kg	250 ml 21. —	1 lt 75. —	
	2-Nitropropane				
	3/3; 26° $(\text{CH}_3)_2\text{CHNO}_2$ $\text{C}_3\text{H}_7\text{NO}_2$ M_r 89.10 [79-46-9]				
73800	pract. ~95%(GC); B.P. 118-121°; d_4^{20} 0.988; n_D^{20} 1.394; 1-Nitropropane <3%	1 lt ≈ 0.99 kg	250 ml 7. —	1 lt 16. —	
	Nitroprusside Sodium see 71780 Sodium nitroprusside				
73810	4-Nitropyridine 1-oxide purum >98%(N); M.P. 160-162°		25 g 9. —	100 g 30. —	
6.1/21	$\text{ON:CHCH:C}(\text{NO}_2)\text{CH:CH}$ $\text{C}_5\text{H}_4\text{N}_2\text{O}_3$ M_r 140.10 [1124-33-0]				
	5-Nitro-2-pyridone see 56030 2-Hydroxy-5-nitropyridine				
	4-Nitropyrocatechol see 73240 4-Nitrocatechol				
73265	4-Nitroquinoline 1-oxide purum >97%(N); M.P. 155-157°		250 mg 16. —	1 g 55. —	
6.1/21	$\text{C}_8\text{H}_4\text{NO:CHCH:CNO}_2$ $\text{C}_9\text{H}_6\text{N}_2\text{O}_3$ M_r 190.16 [56-57-5]				
	5-Nitrosalicylic acid (2-Hydroxy-5-nitrobenzoic acid)				
	$\text{NO}_2\text{C}_6\text{H}_3(\text{OH})\text{COOH}$ $\text{C}_7\text{H}_5\text{NO}_5$ M_r 183.12 [96-97-9]				
73820	purum >98%(T); M.P. 227-230°; 3-Nitrosalicylic acid ~2-3%		5 g 20. —	25 g 85. —	
	Nitrosobenzene				
	6.1/21 $\text{C}_6\text{H}_5\text{NO}$ M_r 107.11 [586-96-9]				
73860	purum ~99%(N); M.P. 65-68°; contains <1% Nitrobenzene; store in refrigerator		10 g 25. —	50 g 95. —	
	N-Nitrosodiethylamine (Diethylnitrosamine)				
	6.1/21 $(\text{C}_2\text{H}_5)_2\text{NNO}$ $\text{C}_4\text{H}_{10}\text{N}_2\text{O}$ M_r 102.14 [55-18-5]				
73861	pract. >97%(GC); B.P. 177° (Lit.); d_4^{20} 0.950; n_D^{20} 1.437; Human carcinogen	1 lt ≈ 0.95 kg	10 ml 14. —	50 ml 60. —	
	4-Nitroso-N,N-diethylaniline (N,N-Diethyl-4-nitrosoaniline)				
	6.1/21 $(\text{C}_2\text{H}_5)_2\text{NC}_6\text{H}_4\text{NO}$ $\text{C}_{10}\text{H}_{14}\text{N}_2\text{O}$ M_r 178.24 [120-22-9]				
73870	puriss. >99%(NT); M.P. 83-85°		25 g 20. —	100 g 70. —	
	4-Nitroso-N,N-dimethylaniline (N,N-Dimethyl-4-nitrosoaniline)				
	6.1/21 $(\text{CH}_3)_2\text{NC}_6\text{H}_4\text{NO}$ $\text{C}_8\text{H}_{10}\text{N}_2\text{O}$ M_r 150.18 [138-89-6]				
73880	puriss. >99%(NT); M.P. 84-86°; Ash <0.05%; 1 g clearly soluble in 10 ml Methanol		50 g 15. —	250 g 63. —	
	N-Nitrosodiphenylamine				
	6.1/21 $(\text{C}_6\text{H}_5)_2\text{NNO}$ $\text{C}_{12}\text{H}_{10}\text{N}_2\text{O}$ M_r 198.23 [86-30-6]				
73900	pract. >97%(N); M.P. 65-66°; 1 g clearly soluble in 10 ml Methanol; store in refrigerator		250 13. —	1 kg 45. —	
	N-Nitroso-β-ethylaminoisobutyl methyl ketone see 73830 2-Ethylamino-2-methyl-N-nitroso-4-pentanone				
	N-Nitroso-N-ethylurea (Diazoethane starting material)				
	6.1/81d $\text{C}_2\text{H}_5\text{N}(\text{NO})\text{CONH}_2$ $\text{C}_3\text{H}_7\text{N}_3\text{O}_2$ M_r 117.11 [759-73-9]				
73840	puriss. cryst. M.P. 98-100° dec.; stab. with 20% diluted Acetic acid; store in refrigerator		25 g 26. —	100 g 95. —	

				sFr.	sFr.
	N-Nitroso-N-methyl-4-toluenesulfonamide [Diazomethane precursor;				
6.1/21	N-Methyl-N-nitroso-p-toluenesulfonamide; N-Methyl-4-toluenesulfonitrosamide; N-Methyl-N-(4-tolyl-sulfonyl)nitrosamide; N-Nitroso-toluene-4-sulfomethylamide; p-Tolylsulfomethylnitrosamide) $\text{CH}_3\text{C}_6\text{H}_4\text{SO}_2\text{N}(\text{NO})\text{CH}_3$ $\text{C}_8\text{H}_{10}\text{N}_2\text{O}_3\text{S}$ M_r 214.24 [80-11-5]				
73970	purum M.P. 59-61°; H_2O 7-8%; store in refrigerator; preparation of diazomethane: Th. J. De Boer and H. J. Backer, Org. Synth. Coll. 4, 250 (1963)				
		100 g	22. —	500 g	90. —
				5 kg	610. —
	1-Nitroso-2-naphthol (α-β) [C.I. Nr. 10005; Sch. Nr. 2]				
6.1/21	$\text{ONC}_{10}\text{H}_6\text{OH}$ $\text{C}_{10}\text{H}_7\text{NO}_2$ M_r 173.17 [131-91-9]				
73910	puriss. p.a. ~99%(NT); M.P. 106-108° dec.; Ash <0.1%; for the determination of: Co, Cu, Fe, K, Pd, Zr; Detection of: B, Co, Cu, Fe, Mo, Ni, Pd, V, Zr				
		25 g	10. —	100 g	32. —
				500 g	135. —
	2-Nitroso-1-naphthol (β-α) [C.I. Nr. 10010; Sch. Nr. 3]				
6.1/21	$\text{ONC}_{10}\text{H}_6\text{OH}$ $\text{C}_{10}\text{H}_7\text{NO}_2$ M_r 173.17 [132-53-6]				
73920	p.a. ~95%(NT); M.P. ~150-155° dec.; Ash ~1%; for the colorimetric determination of: Co, Zr; determination: Co, Cu, Zr				
				10 g	15. —
				50 g	63. —
	1-Nitroso-2-naphthol-3,6-disulfonic acid Disodium salt see 73950 Nitroso-R-Salt				
	2-Nitroso-1-naphthol-4-sulfonic acid				
	$\text{ONC}_{10}\text{H}_5(\text{OH})\text{SO}_3\text{H} \cdot 3\frac{1}{2}\text{H}_2\text{O}$ $\text{C}_{10}\text{H}_7\text{NO}_6\text{S} \cdot 3\frac{1}{2}\text{H}_2\text{O}$ M_r 316.29 [3682-32-4]				
73930	puriss. p.a. M.P. 140-145° dec.; for the colorimetric determination of Co				
				25 g	23. —
				100 g	85. —
	N-Nitroso-N-(1-naphthyl)hydroxylamine Ammonium salt see 72140 Neocupferron				
	4-Nitrosophenol				
6.1/21	$\text{ONC}_6\text{H}_4\text{OH}$ $\text{C}_6\text{H}_5\text{NO}_2$ M_r 123.11 [104-91-6]				
73941	pract. ~95%(NT); M.P. ~130° dec. (dry); moistenend with ~30% H_2O				
				100 g	22. —
				500 g	90. —
	N-Nitroso-N-phenylhydroxylamine Ammonium salt see 61220 Cupferron				
	1-Nitrosopyrrolidine				
3/4	$\text{CH}_2(\text{CH}_2)_3\text{NNO}$ $\text{C}_4\text{H}_8\text{N}_2\text{O}$ M_r 100.12 [930-55-2]				
73945	purum >98%(GC); B.P. 216-218°; d_4^{20} 1.094; n_D^{20} 1.498				
		1 lt	≈ 1.09 kg	10 ml	20. —
				50 ml	85. —
	Nitroso-R-Salt (1-Nitroso-2-naphthol-3,6-disulfonic acid Disodium salt)				
	$\text{ONC}_{10}\text{H}_4(\text{SO}_3\text{Na})_2\text{OH}$ $\text{C}_{10}\text{H}_5\text{NNa}_2\text{O}_6\text{S}_2$ M_r 377.26 [525-05-3]				
73950	p.a. Analysis of: Co, Fe, K; Determination of: Ag, Ba, Ca, Co, Fe, Ni, Pb				
				25 g	8. —
				100 g	25. —
	N-Nitrosotoluene-4-sulfomethylamide see 73970 N-Nitroso-N-methyl-4-toluenesulfonamide				
	Nitrosulfonazo III [2,7-Bis(4-nitro-2-sulfo-phenylazo)chromotropic acid Tetrasodium salt]				
	$\text{C}_{22}\text{H}_{10}\text{N}_6\text{Na}_4\text{O}_{18}\text{S}_4$ M_r 866.55 [1964-89-2]				
73995	p.a.				
				1 g	20. —
				5 g	85. —
	5-Nitro-2-[3-[4-(4-sulfo-phenylazo)phenyl]-1-triazeno]-phenylarsonic acid Trisodium salt see 86110 Sulfarsazene				
73997	Nitrosyl chloride purum				
	2/3at NOCl ClNO M_r 65.46 [2696-92-6]				
			Cyl. with net ~350 g		840. —
74000	Nitrosylsulfuric acid purum cryst. ~98%; may contain 5-10% CH_2Cl_2 ; store in refrigerator				
	8/12 ONOSO_3H HNO_5S M_r 127.08 [7782-78-7]				
				100 g	28. —
				500 g	120. —
74020	Nitroterephthalic acid purum >99%(T); M.P. 272-274°				
	$\text{NO}_2\text{C}_6\text{H}_3(\text{COOH})_2$ $\text{C}_8\text{H}_5\text{NO}_6$ M_r 211.13 [610-29-7]				
				50 g	18. —
				250 g	75. —
	Nitrotetrazolium Blue chloride {3,3'-(3,3'-Dimethoxy-4,4'-biphenylene)-bis[2-(4-nitrophenyl)-5-phenyl-2H-tetrazolium chloride]; Nitro-BT; Nitro Blue tetrazolium chloride}				
	$[\text{N}:\text{C}(\text{C}_6\text{H}_5)\text{N}:\text{N}(\text{Cl})(\text{C}_6\text{H}_4\text{NO}_2)]_2$ $\text{N}-4-\text{C}_6\text{H}_3-3-\text{OCH}_3-1-]$ $\text{C}_{40}\text{H}_{30}\text{Cl}_2\text{N}_{10}\text{O}_6$ M_r 817.65 [298-83-9]				
74030	p.a. ~90% + Ethanol; M.P. 197-200°; for the determination of reducing compounds and fermentation systems				
				100 mg	9. —
				1 g	60. —
	N-(5-Nitro-2-thiazolyl)acetamide (2-Acetamido-5-nitrothiazole)				
	$\text{SC}(\text{NO}_2):\text{CHN}:\text{CNHCOCH}_3$ $\text{C}_5\text{H}_5\text{N}_3\text{O}_3\text{S}$ M_r 187.18 [140-40-9]				
00330	purum >97%(S); M.P. 255-265° dec.				
				100 g	28. —
				500 g	120. —
	2-Nitrotoluene				
6.1/21	$\text{CH}_3\text{C}_6\text{H}_4\text{NO}_2$ $\text{C}_7\text{H}_7\text{NO}_2$ M_r 137.14 [88-72-2]				
74060	purum >99%(GC); M.P. -10--5°; B.P. 220-222°; d_4^{20} 1.163; n_D^{20} 1.544				
		1 lt	≈ 1.16 kg	250 ml	7. —
				1 lt	18. —

						sFr.	sFr.
74070	3-Nitrotoluene purum 6.1/21l $\text{CH}_3\text{C}_6\text{H}_4\text{NO}_2$ $\text{C}_7\text{H}_7\text{NO}_2$ M_r 137.14 [99-08-1]	1 lt $\approx$ 1.16 kg	250 ml 9. —	1 lt 28. —			
74080	4-Nitrotoluene purum >98%(GC); M.P. 51-52° 6.1/21l $\text{CH}_3\text{C}_6\text{H}_4\text{NO}_2$ $\text{C}_7\text{H}_7\text{NO}_2$ M_r 137.14 [99-99-0]		250 g 8. —	1 kg 25. —			
	3-Nitro-o-toluidine see 08991 2-Amino-6-nitrotoluene						
	4-Nitro-o-toluidine see 08990 2-Amino-5-nitrotoluene						
	5-Nitro-o-toluidine see 08980 2-Amino-4-nitrotoluene						
	2-Nitro-p-toluidine see 09010 4-Amino-3-nitrotoluene						
	3-Nitro-p-toluidine see 09000 4-Amino-2-nitrotoluene						
	2-Nitro-m-toluylic acid see 68013 3-Methyl-2-nitrobenzoic acid						
	3-Nitro-o-toluylic acid see 68010 2-Methyl-3-nitrobenzoic acid						
	4-Nitro-m-toluylic acid see 68020 3-Methyl-4-nitrobenzoic acid						
	6-Nitro-m-toluylic acid see 68030 5-Methyl-2-nitrobenzoic acid						
	Nitrotrichlorobenzene see Trichloronitrobenzene						
	Nitrotrichloromethane see 91320 Trichloronitrobenzene						
	2-Nitro-4-trifluoromethylaniline see 08870 4-Amino-3-nitrobenzotrifluoride						
	4-Nitro-2-trifluoromethylaniline see 08860 2-Amino-5-nitrobenzotrifluoride						
	4-Nitro-3-trifluoromethylphenol see 56000 5-Hydroxy-2-nitrobenzotrifluoride						
73085	2-Nitro-α,α,α-trifluorotoluene purum >98%(GC); M.P. 25-28° (2-Nitrobenzotrifluoride) 8/15 $\text{NO}_2\text{C}_6\text{H}_4\text{CF}_3$ $\text{C}_7\text{H}_4\text{F}_3\text{NO}_2$ M_r 191.11 [384-22-5]		25 g 9. —	100 g 28. —			
	3-Nitro-α,α,α-trifluorotoluene (3-Nitrobenzotrifluoride) 8/15 $\text{NO}_2\text{C}_6\text{H}_4\text{CF}_3$ $\text{C}_7\text{H}_4\text{F}_3\text{NO}_2$ M_r 191.11 [98-46-4]						
73090	purum >98%(GC); d_4^{20} 1.43; n_D^{20} 1.471	1 lt $\approx$ 1.43 kg	100 ml 15. —	500 ml 63. —			
	4-Nitro-α,α,α-trifluoro-o-toluidine see 08860 2-Amino-5-nitrobenzotrifluoride						
	2-Nitro-α,α,α-trifluoro-p-toluidine see 08870 4-Amino-3-nitrobenzotrifluoride						
74100	5-Nitro-uracil purum >97%(UV); M.P. >300° (2,4-Dihydroxy-5-nitropyrimidine) $\text{N:C(OH)N:C(OH)C(NO}_2\text{):CH}$ $\text{C}_4\text{H}_3\text{N}_3\text{O}_4$ M_r 157.09 [611-08-5]		25 g 26. —	100 g 95. —			
	2-Nitro-m-xylene see 40900 2,6-Dimethylnitrobenzene						
	4-Nitro-m-xylene see 40880 2,4-Dimethylnitrobenzene						
	4-Nitro-o-xylene see 40910 3,4-Dimethylnitrobenzene						
	β-NMN see 72342 β -Nicotinamide mononucleotide						
	N.N.C.D.-Reagent (2-Chloro-4-nitro-benzenediazonium-2-naphthalene sulfonate) 2-Cl-4- $\text{NO}_2\text{C}_6\text{H}_3\text{N:N}^+(\text{C}_{10}\text{H}_7\text{SO}_3^-)$ $\text{C}_{16}\text{H}_{10}\text{ClN}_3\text{O}_5\text{S}$ M_r 391.79 [6035-19-4]						
74150	purum p.a. M.P. 144-146°; for the analysis of 1,2-Dihydroxybenzene derivatives; Helv. Chim. Acta 31, 320 (1948)		5 g 26. —	25 g 110. —			
74155	Nonactine puriss. contains approx. 25% Monactine $\text{C}_{40}\text{H}_{64}\text{O}_{12}$ M_r 736.95 [6833-84-7]		100 mg 50. —	1 g 400. —			
74160	Nonadecane purum >99%(GC); M.P. 31-32°; B.P. 330° (Lit.) (Alkane C_{19}) $\text{CH}_3(\text{CH}_2)_{17}\text{CH}_3$ $\text{C}_{19}\text{H}_{40}$ M_r 268.53 [629-92-5]		10 g 10. —	50 g 40. —			
74220	Nonadecanenitrile purum M.P. 41-42° (Nitrile C_{19} ; Octadecylcyanide) 6.1/21 $\text{CH}_3(\text{CH}_2)_{17}\text{CN}$ $\text{C}_{19}\text{H}_{37}\text{N}$ M_r 279.51 [28623-46-3]		10 g 25. —	50 g 105. —			
	Nonadecanoic acid (Carboxylic acid C_{19}) $\text{CH}_3(\text{CH}_2)_{17}\text{COOH}$ $\text{C}_{19}\text{H}_{38}\text{O}_2$ M_r 298.51 [646-30-0]						
74190	puriss. >99.5%(GC); M.P. 68-69°		5 g 15. —	25 g 63. —			
74192	purum $\sim$ 98%(GC); M.P. 66-68°		10 g 14. —	50 g 60. —			
74180	2-Nonadecanol purum (Heptadecyl methyl carbinol) $\text{CH}_3(\text{CH}_2)_{18}\text{CH(OH)CH}_3$ $\text{C}_{19}\text{H}_{40}\text{O}$ M_r 284.53 [26533-36-8]		10 g 22. —	50 g 90. —			
51680	2-Nonadecanone pract. $\sim$ 90-95%(GC); M.P. 56-57° (Heptadecyl-methylketone) $\text{CH}_3(\text{CH}_2)_{18}\text{COCH}_3$ $\text{C}_{19}\text{H}_{38}\text{O}$ M_r 282.51 [629-66-3]		100 g 40. —				

sFr.

sFr.

Nonamethylenediamine see 33190 1,9-Diaminononane

Nonamethylene dibromide see 34240 1,9-Dibromononane

Nonamethylene glycol see 74270 1,9-Nonanediol

Nonanal see 76310 Pelargonaldehyde

Nonane (Alkane C₉)

3/3; 31° CH₃(CH₂)₇CH₃ C₉H₂₀ M_r 128.26 [111-84-2]

74250	puriss. Standard for GC; >99.5%(GC); B.P. 150-151° (Lit.); d ₄ ²⁰ 0.718; n _D ²⁰ 1.405	1 lt ≈ 0.72 kg	10 ml 30. —	50 ml 125. —
74252	purum >99%(GC) + Naphthene + Isoparaffin; B.P. 148-150°; d ₄ ²⁰ 0.718; n _D ²⁰ 1.405	1 lt ≈ 0.72 kg	100 ml 20. —	500 ml 85. —
74253	pract. ~95%(GC); B.P. 148-150°; d ₄ ²⁰ 0.720; n _D ²⁰ 1.405	1 lt ≈ 0.72 kg	250 ml 18. —	1 lt 65. —

1,9-Nonanediamine see 33190 1,9-Diaminononane

Nonanedioic acid and derivatives see Azelaic acid and derivatives

74270	1,9-Nonanediol purum ~97%(GC); M.P. 45-47° (Nonamethylene glycol) HO(CH ₂) ₉ OH C ₉ H ₂₀ O ₂ M _r 160.26 [3937-56-2]	25 g 22. —	100 g 80. —	
-------	--	------------	-------------	--

Nonane Fraction compare also Alkane mixtures

74260	3/3; 31° purum B.P. 148-156°; d ₄ ²⁰ 0.768; n _D ²⁰ 1.430	1 lt ≈ 0.77 kg	1 lt 15. —	5 lt 63. —
-------	--	----------------	------------	------------

Nonanoic acid see 76343 Pelargonic acid

1-Nonanol (Alcohol C₉; Nonyl alcohol)

CH₃(CH₂)₈OH C₉H₂₀O M_r 144.26 [143-08-8]

74280	purum >98%(GC); M.P. -6--4°; B.P. 210-213°; d ₄ ²⁰ 0.827; n _D ²⁰ 1.433	1 lt ≈ 0.83 kg	100 ml 12. —	500 ml 50. —
-------	---	----------------	--------------	--------------

2-Nonanol (Heptyl methyl carbinol)

3/4; 96° CH₃(CH₂)₆CH(OH)CH₃ C₉H₂₀O M_r 144.26 [628-99-9]

74290	purum >97%(GC); B.P. 197-199°; d ₄ ²⁰ 0.823; n _D ²⁰ 1.431	1 lt ≈ 0.82 kg	25 ml 16. —	100 ml 55. —
-------	---	----------------	-------------	--------------

3-Nonanol (Ethyl hexyl carbinol)

3/4 CH₃CH₂CH(OH)(CH₂)₅CH₃ C₉H₂₀O M_r 144.26 [624-51-1]

74295	purum ~97%(GC); B.P. 192-194°; d ₄ ²⁰ 0.824; n _D ²⁰ 1.431	1 lt ≈ 0.82 kg	10 ml 26. —	50 ml 95. —
-------	---	----------------	-------------	-------------

74300	4-Nonanol purum >98%(GC); B.P. 191-192° (Lit.) (Pentyl propyl carbinol) 3/4; 96° CH ₃ (CH ₂) ₄ CH(OH)CH ₂ CH ₂ CH ₃ C ₉ H ₂₀ O M _r 144.26 [5932-79-6]	1 lt ≈ 0.83 kg	5 ml 13. —	25 ml 55. —
-------	---	----------------	------------	-------------

5-Nonanol (Dibutyl carbinol)

3/4; 77° (CH₃CH₂CH₂CH₂)₂CHOH C₉H₂₀O M_r 144.26 [623-93-8]

74310	purum >97%(GC); B.P. 195° (Lit.); d ₄ ²⁰ 0.822; n _D ²⁰ 1.429	1 lt ≈ 0.82 kg	25 ml 17. —	100 ml 60. —
-------	--	----------------	-------------	--------------

2-Nonanone (Heptyl methyl ketone)

3/4; 68° CH₃(CH₂)₆COCH₃ C₉H₁₈O M_r 142.24 [821-55-6]

52000	purum ~97%(GC); B.P. 172-74°; d ₄ ²⁰ 0.82; n _D ²⁰ 1.421	1 lt ≈ 0.82 kg	100 ml 22. —	500 ml 90. —
-------	---	----------------	--------------	--------------

04090	3-Nonanone purum B.P. 187-190°; d ₄ ²⁰ 0.82 (Ethyl hexyl ketone) 3/4; 66° CH ₃ (CH ₂) ₅ COC ₂ H ₅ C ₉ H ₁₈ O M _r 142.24 [925-78-0]	1 lt ≈ 0.82 kg	25 ml 16. —	100 ml 55. —
-------	---	----------------	-------------	--------------

4-Nonanone (Pentyl propyl ketone)

3/4; 60° CH₃(CH₂)₄COCH₂CH₂CH₃ C₉H₁₈O M_r 142.24 [4485-09-0]

77144	purum >98%(GC); B.P. 185-188°; d ₄ ²⁰ 0.821; n _D ²⁰ 1.419	1 lt ≈ 0.82 kg	50 ml 34. —	
-------	---	----------------	-------------	--

5-Nonanone (Dibutyl ketone; n-Valerone)

3/4; 65° CH₃(CH₂)₃CO(CH₂)₃CH₃ C₉H₁₈O M_r 142.24 [502-56-7]

34720	purum >97%(GC); M.P. -5--3°; B.P. 185-187°; d ₄ ²⁰ 0.820; n _D ²⁰ 1.418	1 lt ≈ 0.82 kg	100 ml 18. —	500 ml 75. —
-------	---	----------------	--------------	--------------

Nonanoyl chloride see 76360 Pelargonyl chloride

74320	1-Nonene purum >97%(GC); B.P. 146-147°; d ₄ ²⁰ 0.730; n _D ²⁰ 1.416 3/3; 24° CH ₃ (CH ₂) ₆ CH:CH ₂ C ₉ H ₁₈ M _r 126.24 [124-11-8]	1 lt ≈ 0.73 kg	25 ml 8. —	100 ml 25. —
-------	--	----------------	------------	--------------

trans-2-Nonene

3/3; 30° CH₃(CH₂)₅CH:CHCH₃ C₉H₁₈ M_r 126.24 [6434-78-2]

74330	purum >99%(GC); B.P. 146-150°; d ₄ ²⁰ 0.734; n _D ²⁰ 1.420	1 lt ≈ 0.73 kg	5 ml 40. —	
-------	---	----------------	------------	--

74340	trans-3-Nonene purum >99%(GC); d ₄ ²⁰ 0.728; n _D ²⁰ 1.419 3/3; 30° CH ₃ (CH ₂) ₄ CH:CHCH ₂ CH ₃ C ₉ H ₁₈ M _r 126.24 [20063-92-7]	1 lt ≈ 0.73 kg	5 ml 40. —	
-------	---	----------------	------------	--

			sFr.	sFr.
4-Nonene (cis + trans)				
74360	3/3; 30° $\text{CH}_3(\text{CH}_2)_3\text{CH}:\text{CHCH}_2\text{CH}_2\text{CH}_3$ C_9H_{18} M_r 126.24 [2198-23-4] purum >99%(GC); B.P. 144-146° (Lit.); d_4^{20} 0.728; n_D^{20} 1.419	1 lt ≈ 0.73 kg	10 ml 32. —	50 ml 135. —
2-Nonen-1-yl-succinic anhydride				
74381	$\text{CH}_3(\text{CH}_2)_6\text{CH}:\text{CHCH}_2\text{CH}_2\text{COO}\text{C}(=\text{O})\text{CH}_2\text{C}(=\text{O})\text{O}$ $\text{C}_{13}\text{H}_{20}\text{O}_3$ M_r 224.30 [28928-97-2] techn. ~90-95%(NT); B.P. _{0.15} 126-130°; d_4^{20} 1.023; n_D^{20} 1.478	1 lt ≈ 1.02 kg	250 ml 18. —	1 lt 65. —
74385	Nonidet® P40 (Ethylphenylpolyethyleneglycol, NP40) [9036-19-5] ® Registered trade-mark of Rohm + Haas	1 lt ≈ 1.06 kg	1 lt 18. —	5 lt 75. —
Nonyl alcohol see 74280 1-Nonanol				
Nonylamine (Amine C_9 ; 1-Aminononane)				
74400	8/35; 74° $\text{CH}_3(\text{CH}_2)_8\text{NH}_2$ $\text{C}_9\text{H}_{21}\text{N}$ M_r 143.27 [112-20-9] purum >97%(GC); B.P. ₁₀ 80-82°; d_4^{20} 0.787; n_D^{20} 1.434	1 lt ≈ 0.79 kg	10 ml 12. —	50 ml 50. —
Nonylbenzene (1-Phenylnonane)				
74410	$\text{C}_6\text{H}_5(\text{CH}_2)_8\text{CH}_3$ $\text{C}_{15}\text{H}_{24}$ M_r 204.36 [1081-77-2] purum >97%(GC); B.P. 275-280°; d_4^{20} 0.855; n_D^{20} 1.484	1 lt ≈ 0.86 kg	25 ml 17. —	100 ml 60. —
Nonyl bromide see 17740 1-Bromononane				
74420	tert-Nonylmercaptan pract. ~97% 6.1/81a; 59° $\text{C}_9\text{H}_{19}\text{SH}$ $\text{C}_9\text{H}_{20}\text{S}$ M_r 160.32 [25360-10-5]	1 lt ≈ 0.84 kg	100 ml 15. —	
4-Nonylphenol				
74430	$\text{C}_9\text{H}_{19}\text{C}_6\text{H}_4\text{OH}$ $\text{C}_{15}\text{H}_{24}\text{O}$ M_r 220.36 [104-40-5] techn. ~85% content of p-Isomers (Mixture of compounds with branched sidechain); d_4^{20} 0.950; n_D^{20} 1.512	1 lt ≈ 0.95 kg	1 lt 16. —	5 lt 67. —
"Nonylvanylamide" see 76390 Pelargonic acid vanillylamide				
L-Noradrenaline (L-Arterenol; L-Norepinephrine)				
74460	$(\text{HO})_2\text{C}_6\text{H}_3\text{CH}(\text{OH})\text{CH}_2\text{NH}_2$ $\text{C}_8\text{H}_{11}\text{NO}_3$ M_r 169.18 [149-95-1] purum >98%(NT); M.P. ~220-230° dec.; $[\alpha]_{546}^{20} - 54 \pm 2^\circ$; $[\alpha]_D^{20} - 45 \pm 2^\circ$ (c = 5 in 1n HCl)		1 g 22. —	5 g 90. —
DL-Noradrenaline (DL-Arterenol; DL-Norepinephrine)				
74470	$(\text{HO})_2\text{C}_6\text{H}_3\text{CH}(\text{OH})\text{CH}_2\text{NH}_2$ $\text{C}_8\text{H}_{11}\text{NO}_3$ M_r 169.18 [138-65-8] purum >98%(NT); M.P. ~190° dec.; store in refrigerator		5 g 26. —	25 g 110. —
L-Noradrenaline hydrochloride (L-Arterenol hydrochloride; L-Norepinephrine hydrochloride)				
74480	$(\text{HO})_2\text{C}_6\text{H}_3\text{CH}(\text{OH})\text{CH}_2\text{NH}_2 \cdot \text{HCl}$ $\text{C}_8\text{H}_{11}\text{NO}_3 \cdot \text{HCl}$ M_r 205.64 [3458-94-4] purum >98%(Cl); M.P. ~150° dec.; $[\alpha]_{546}^{20} - 47.5 \pm 2^\circ$; $[\alpha]_D^{20} - 38.5 \pm 2^\circ$ (c = 2 in water)		1 g 25. —	5 g 105. —
DL-Noradrenaline hydrochloride (DL-Arterenol hydrochloride; DL-Norepinephrine)				
74490	$(\text{HO})_2\text{C}_6\text{H}_3\text{CH}(\text{OH})\text{CH}_2\text{NH}_2 \cdot \text{HCl}$ $\text{C}_8\text{H}_{11}\text{NO}_3 \cdot \text{HCl}$ M_r 205.64 [55-27-6] purum >98%(Cl); M.P. 140-144° dec.; Ash <0.1%; 1 g clearly soluble in 10 ml water		1 g 10. —	5 g 42. —
L-Noradrenaline L-hydrogentartrate (L-Arterenol-L-hydrogentartrate; L-Norepinephrine-L-hydrogentartrate)				
74500	$(\text{HO})_2\text{C}_6\text{H}_3\text{CH}(\text{OH})\text{CH}_2\text{NH}_2 \cdot \text{C}_4\text{H}_6\text{O}_6 \cdot \text{H}_2\text{O}$ $\text{C}_8\text{H}_{11}\text{NO}_3 \cdot \text{C}_4\text{H}_6\text{O}_6 \cdot \text{H}_2\text{O}$ M_r 337.29 [636-88-4] purum >98%(NT); M.P. 102-105°; $[\alpha]_{546}^{20} - 14 \pm 1^\circ$; $[\alpha]_D^{20} - 11 \pm 1^\circ$ (c = 2 in water)		1 g 10. —	5 g 37. —
19-Nor-4-androstene-3,17-dione				
74505	$\text{C}_{19}\text{H}_{24}\text{O}_2$ M_r 272.39 [734-32-7] purum >98%(HPLC); M.P. 169-171°; $[\alpha]_{546}^{20} + 167 \pm 5^\circ$; $[\alpha]_D^{20} + 135 \pm 5^\circ$ (c = 1 in Chlf.)		1 g 28. —	5 g 120. —
2,5-Norbornadiene see 14349 Bicyclo[2.2.1]hepta-2,5-diene				
2-Norbornaneacetic acid (Bicyclo[2.2.1]hept-2-ylacetic acid; 2-Norbornylacetic acid)				
74511	$\text{C}_9\text{H}_{14}\text{O}_2$ M_r 154.21 [1007-01-8] purum >98%(GC); B.P. ₃ 107-108°; d_4^{20} 1.073; n_D^{20} 1.482	1 lt ≈ 1.07 kg	10 ml 25. —	50 ml 105. —
2-Norbornanone see 74520 Norcamphor				
2-Norbornene see 14351 Bicyclo[2.2.1]hept-2-ene				
5-Norbornene-2-carboxaldehyde see 14352 Bicyclo[2.2.1]hept-5-ene-2-carboxaldehyde				
5-Norbornene-2,3-dicarboxylic acid anhydride see 14353 Bicyclo[2.2.1]hept-5-ene-2,3-dicarboxylic anhydride				
5-Norbornene-2-methanol see 55611 2-(Hydroxymethyl)bicyclo[2.2.1]hept-5-ene				

			sFr.	sFr.
	5-Norbornen-2-yl acetate			
	3/3; 55° C ₈ H ₁₂ O ₂ M _r 152.20 [6143-29-9]			
46023	purum Mixture of endo- and exoisomers; B.P. 190-192°; d ₄ ²⁰ 1.051; n _D ²⁰ 1.469			
		1 lt ≈ 1.05 kg	25 ml 50. —	
74509	α-Norborneol pract. Mixture of isomers (Bicyclo[2.2.1]heptan-2-ol) C ₇ H ₁₂ O M _r 112.17 [1632-68-4]		10 g 13. —	50 g 55. —
	2-Norbornylacetic acid see 74511 2-Norbornaneacetic acid			
	2-Norbornylamine (Bicyclo[2.2.1]hept-2-ylamine)			
	8/35 C ₇ H ₁₃ N M _r 111.20 [822-98-0]			
74510	purum >98%(GC); B.P. 150-154°; d ₄ ²⁰ 0.944; n _D ²⁰ 1.484; 1 g clearly and colourless soluble in 10 ml Methanol			
		1 lt ≈ 0.94 kg	100 ml 38. —	
	Norcamphor (Bicyclo[2.2.1]heptan-2-one; 2-Norbornanone)			
	C ₇ H ₁₀ O M _r 110.16 [497-38-1]			
74520	purum >98%(GC); M.P. 90-93°		5 g 13. —	25 g 55. — 100 g 160. —
74540	Nordihydroguaiaretic acid pract. >95%(NT); M.P. 180-185°; Antioxidant (NDGA) (HO) ₂ C ₆ H ₃ CH ₂ CH(CH ₃)CH(CH ₃)CH ₂ C ₆ H ₃ (OH) ₂ C ₁₈ H ₂₂ O ₄ M _r 302.37 [50-38-9]		10 g 50. —	50 g 210. —
	DL-Norephedrine hydrochloride see 78955 DL-Phenylpropanolamine hydrochloride			
	Norepinephrine see Noradrenaline			
	L-Norleucine (2-Aminocaproic acid)			
	CH ₃ (CH ₂) ₃ CH(NH ₂)COOH C ₆ H ₁₃ NO ₂ M _r 131.18 [327-57-1]			
74560	puriss. CHR; >99%(NT); [α] ₅₄₆ ²⁰ +28±1°; [α] _D ²⁰ +23±1° (c = 4.25 in 6n HCl)			
		1 g 20. —	5 g 85. —	50 g 505. —
	D-Norleucine			
	CH ₃ (CH ₂) ₃ CH(NH ₂)COOH C ₆ H ₁₃ NO ₂ M _r 131.18 [327-56-0]			
74570	puriss. >99%(NT); M.P. >300°; [α] ₅₄₆ ²⁰ -28±1°; [α] _D ²⁰ -23±1° (c = 4.25 in 6n HCl)			
			250 mg 9. —	1 g 28. —
74580	DL-Norleucine puriss. CHR; >99%(NT); M.P. ~325° dec. CH ₃ (CH ₂) ₃ CH(NH ₂)COOH C ₆ H ₁₃ NO ₂ M _r 131.18 [616-06-8]		10 g 10. —	50 g 40. —
74590	13-Norleucine-Motiline puriss.; store in refrigerator (C ₁₂₁ H ₁₉₃ N ₃₃ O ₃₆) M _r 2682.04 (free peptide) [50881-15-7]		1 mg 300. —	5 mg 800. — 10 mg 1500. —
	(-)-Normicotine dipicrate [3-(2-Pyrrolidinyl)pyridine dipicrate]			
	6.1/81g CH:NCH:CHCH:CCH(CH ₂) ₃ NH.2HOC ₆ H ₂ (NO ₂) ₃ C ₉ H ₁₂ N ₂ .2C ₆ H ₃ N ₃ O ₇ M _r 606.42 [7076-23-5]			
74630	pract. >97%(NT); M.P. 185-190° dec.; store in refrigerator		100 mg 50. —	
	19-Nortestosterone (17β-Hydroxy-4-estren-3-one)			
	C ₁₈ H ₂₆ O ₂ M _r 274.41 [434-22-0]			
74640	puriss. >99%(HPLC); M.P. 124-125°; [α] ₅₄₆ ²⁰ +65±3°; [α] _D ²⁰ +56±2° (c = 1 in Chlf.); 1 g clearly and colourless soluble in 10 ml Methanol			
			1 g 25. —	5 g 105. —
	L-Norvaline (2-Aminopentanoic acid)			
	CH ₃ CH ₂ CH ₂ CH(NH ₂)COOH C ₅ H ₁₁ NO ₂ M _r 117.15 [6600-40-4]			
74650	puriss. CHR; >99%(NT); M.P. >300°; [α] ₅₄₆ ²⁰ +29±2°; [α] _D ²⁰ +25±1° (c = 10 in 20% HCl); Ash <0.05%			
		1 g 12. —	5 g 50. —	50 g 315. —
	D-Norvaline			
	CH ₃ CH ₂ CH ₂ CH(NH ₂)COOH C ₅ H ₁₁ NO ₂ M _r 117.15 [2013-12-9]			
74660	puriss. CHR >99%(NT); M.P. >300°; [α] ₅₄₆ ²⁰ -29±3°; [α] _D ²⁰ -25±3° (c = 10 in 20% HCl); Ash <0.05%			
			1 g 22. —	5 g 90. —
74670	DL-Norvaline puriss. CHR; >99%(NT); M.P. ~302° dec. CH ₃ CH ₂ CH ₂ CH(NH ₂)COOH C ₅ H ₁₁ NO ₂ M _r 117.15 [760-78-1]		25 g 18. —	100 g 65. —
	NP40 see 74385 Nonidet P40			
	α-NPO see 71060 2-(1-Naphthyl)-5-phenyloxazole			
74679	NPS-L-alanine Dicyclohexylamine salt puriss. CHR; store in refrigerator CH ₃ CH(HNSC ₆ H ₄ NO ₂)COOH.C ₁₂ H ₂₃ N C ₉ H ₁₀ N ₂ O ₄ .S.C ₁₂ H ₂₃ N M _r 423.58 [7675-46-9]		5 g 63. —	

		sFr.	sFr.
74681	NPS-L-asparagine Dicyclohexylamine salt puriss. CHR; store in refrigerator $\text{NH}_2\text{COCH}_2\text{CH}(\text{NHSC}_6\text{H}_4\text{NO}_2)\text{COOH} \cdot \text{C}_{12}\text{H}_{23}\text{N}$ $\text{C}_{10}\text{H}_{11}\text{N}_3\text{O}_5\text{S} \cdot \text{C}_{12}\text{H}_{23}\text{N}$ M_r 466.60 [7685-72-5] (free acid)	5 g 63. —	
	NPS-L-aspartic acid 4-benzyl ester Dicyclohexylamine salt $\text{C}_6\text{H}_5\text{CH}_2\text{OCOCH}_2\text{CH}(\text{NHSC}_6\text{H}_4\text{NO}_2)\text{COOH} \cdot \text{C}_{12}\text{H}_{23}\text{N}$ $\text{C}_{17}\text{H}_{16}\text{N}_2\text{O}_6\text{S} \cdot \text{C}_{12}\text{H}_{23}\text{N}$ M_r 557.72 [2418-90-8]		
74682	puriss. CHR; M.P. 166-167°; $[\alpha]_{540}^{20} - 50 \pm 2^\circ$ (c = 4 in Chlf.); store in refrigerator	5 g 90. —	
	NPS-L-aspartic acid 4-tert-butyl ester Dicyclohexylamine salt $(\text{CH}_3)_3\text{COCOCH}_2\text{CH}(\text{NHSC}_6\text{H}_4\text{NO}_2)\text{COOH} \cdot \text{C}_{12}\text{H}_{23}\text{N}$ $\text{C}_{14}\text{H}_{18}\text{N}_2\text{O}_6\text{S} \cdot \text{C}_{12}\text{H}_{23}\text{N}$ M_r 523.70		
74683	puriss. CHR; store in refrigerator	5 g 63. —	
	NPS-N_ε-BOC-L-lysine Dicyclohexylamine salt $(\text{CH}_3)_3\text{COCONH}(\text{CH}_2)_4\text{CH}(\text{NHSC}_6\text{H}_4\text{NO}_2)\text{COOH} \cdot \text{C}_{12}\text{H}_{23}\text{N}$ $\text{C}_{17}\text{H}_{25}\text{N}_3\text{O}_6\text{S} \cdot \text{C}_{12}\text{H}_{23}\text{N}$ M_r 580.79 [2896-69-7]		
74709	puriss. CHR; M.P. 201-202°; store in refrigerator	5 g 90. —	
	NPS-O-tert-butyl-L-serine Dicyclohexylamine salt $(\text{CH}_3)_3\text{COCH}_2\text{CH}(\text{NHSC}_6\text{H}_4\text{NO}_2)\text{COOH} \cdot \text{C}_{12}\text{H}_{23}\text{N}$ $\text{C}_{13}\text{H}_{18}\text{N}_2\text{O}_6\text{S} \cdot \text{C}_{12}\text{H}_{23}\text{N}$ M_r 495.69		
74699	puriss. M.P. 169-171°; store in refrigerator	5 g 90. —	
74703	NPS-O-tert-butyl-L-threonine Dicyclohexylamine salt puriss.; store in refrigerator $(\text{CH}_3)_3\text{COCH}(\text{CH}_3)\text{CH}(\text{NHSC}_6\text{H}_4\text{NO}_2)\text{COOH} \cdot \text{C}_{12}\text{H}_{23}\text{N}$ $\text{C}_{14}\text{H}_{20}\text{N}_2\text{O}_6\text{S} \cdot \text{C}_{12}\text{H}_{23}\text{N}$ M_r 509.71 [16990-70-8] (free acid)	5 g 90. —	
74706	NPS-O-tert-butyl-L-tyrosine Dicyclohexylamine salt puriss. CHR; store in refrigerator $(\text{CH}_3)_3\text{COC}_6\text{H}_4\text{CH}_2\text{CH}(\text{NHSC}_6\text{H}_4\text{NO}_2)\text{COOH} \cdot \text{C}_{12}\text{H}_{23}\text{N}$ $\text{C}_{19}\text{H}_{22}\text{N}_2\text{O}_6\text{S} \cdot \text{C}_{12}\text{H}_{23}\text{N}$ M_r 571.78 [47551-04-2] (free acid)	5 g 90. —	
	NPS-L-glutamic acid γ-benzyl ester Dicyclohexylamine salt $\text{C}_6\text{H}_5\text{CH}_2\text{OCOCH}_2\text{CH}_2\text{CH}(\text{NHSC}_6\text{H}_4\text{NO}_2)\text{COOH} \cdot \text{C}_{12}\text{H}_{23}\text{N}$ $\text{C}_{18}\text{H}_{18}\text{N}_2\text{O}_6\text{S} \cdot \text{C}_{12}\text{H}_{23}\text{N}$ M_r 571.74 [10088-11-6]		
74687	puriss.; store in refrigerator	5 g 63. —	
	NPS-L-glutamic acid γ-tert-butyl ester Dicyclohexylamine salt $(\text{CH}_3)_3\text{COCOCH}_2\text{CH}_2\text{CH}(\text{NHSC}_6\text{H}_4\text{NO}_2)\text{COOH} \cdot \text{C}_{12}\text{H}_{23}\text{N}$ $\text{C}_{15}\text{H}_{20}\text{N}_2\text{O}_6\text{S} \cdot \text{C}_{12}\text{H}_{23}\text{N}$ M_r 537.72 [13155-43-6] (free acid)		
74688	puriss.; store in refrigerator	5 g 90. —	
74686	NPS-L-glutamine Dicyclohexylamine salt puriss.; store in refrigerator $\text{NH}_2\text{COCH}_2\text{CH}_2\text{CH}(\text{NHSC}_6\text{H}_4\text{NO}_2)\text{COOH} \cdot \text{C}_{12}\text{H}_{23}\text{N}$ $\text{C}_{11}\text{H}_{13}\text{N}_3\text{O}_5\text{S} \cdot \text{C}_{12}\text{H}_{23}\text{N}$ M_r 480.63 [64143-47-1] (free acid)	5 g 63. —	
74689	NPS-glycine Dicyclohexylamine salt puriss. CHR; store in refrigerator $\text{CH}_2(\text{NHSC}_6\text{H}_4\text{NO}_2)\text{COOH} \cdot (\text{C}_6\text{H}_{11})_2\text{NH}$ $\text{C}_{20}\text{H}_{31}\text{N}_3\text{O}_4\text{S}$ M_r 409.56 [7575-47-0]	5 g 63. —	
74693	NPS-L-isoleucine Dicyclohexylamine salt puriss. CHR; store in refrigerator $\text{CH}_3\text{CH}_2\text{CH}(\text{CH}_3)\text{CH}(\text{NHSC}_6\text{H}_4\text{NO}_2)\text{COOH} \cdot \text{C}_{12}\text{H}_{23}\text{N}$ $\text{C}_{12}\text{H}_{16}\text{N}_2\text{O}_4\text{S} \cdot \text{C}_{12}\text{H}_{23}\text{N}$ M_r 465.66 [7690-79-1] (free acid)	5 g 63. —	
74694	NPS-L-leucine Dicyclohexylamine salt puriss. CHR; store in refrigerator $(\text{CH}_3)_2\text{CHCH}_2\text{CH}(\text{NHSC}_6\text{H}_4\text{NO}_2)\text{COOH} \cdot \text{C}_{12}\text{H}_{23}\text{N}$ $\text{C}_{12}\text{H}_{16}\text{N}_2\text{O}_4\text{S} \cdot \text{C}_{12}\text{H}_{23}\text{N}$ M_r 465.66 [7675-50-5]	5 g 63. —	
74695	NPS-L-methionine Dicyclohexylamine salt puriss. CHR; store in refrigerator $\text{CH}_3\text{SCH}_2\text{CH}_2\text{CH}(\text{NHSC}_6\text{H}_4\text{NO}_2)\text{COOH} \cdot \text{C}_{12}\text{H}_{23}\text{N}$ $\text{C}_{11}\text{H}_{14}\text{N}_2\text{O}_4\text{S}_2 \cdot \text{C}_{12}\text{H}_{23}\text{N}$ M_r 483.69 [5208-23-1] (free acid)	5 g 63. —	
74696	NPS-L-phenylalanine Dicyclohexylamine salt puriss. CHR; store in refrigerator $\text{C}_6\text{H}_5\text{CH}_2\text{CH}(\text{NHSC}_6\text{H}_4\text{NO}_2)\text{COOH} \cdot \text{C}_{12}\text{H}_{23}\text{N}$ $\text{C}_{15}\text{H}_{14}\text{N}_2\text{O}_4\text{S} \cdot \text{C}_{12}\text{H}_{23}\text{N}$ M_r 499.68 [2688-22-4]	5 g 63. —	
74697	NPS-L-proline Dicyclohexylamine salt puriss. CHR; store in refrigerator $\text{NO}_2\text{C}_6\text{H}_4\text{SN}(\text{CH}_2)_3\text{CHCOOH} \cdot \text{C}_{12}\text{H}_{23}\text{N}$ $\text{C}_{11}\text{H}_{12}\text{N}_2\text{O}_4\text{S} \cdot \text{C}_{12}\text{H}_{23}\text{N}$ M_r 449.63 [7675-53-8]	5 g 63. —	
74698	NPS-L-serine Dicyclohexylamine salt puriss.; store in refrigerator $\text{HOCH}_2\text{CH}(\text{NHSC}_6\text{H}_4\text{NO}_2)\text{COOH} \cdot \text{C}_{12}\text{H}_{23}\text{N}$ $\text{C}_9\text{H}_{10}\text{N}_2\text{O}_5\text{S} \cdot \text{C}_{12}\text{H}_{23}\text{N}$ M_r 439.58 [7685-69-0] (free acid)	5 g 63. —	

		sFr.	sFr.
74702	NPS-L-threonine Dicyclohexylamine salt puriss.; store in refrigerator $\text{CH}_3\text{CH}(\text{OH})\text{CH}(\text{NHSC}_6\text{H}_4\text{NO}_2)\text{COOH} \cdot \text{C}_{12}\text{H}_{23}\text{N}$ $\text{C}_{10}\text{H}_{12}\text{N}_2\text{O}_5\text{S} \cdot \text{C}_{12}\text{H}_{23}\text{N}$ M_r 453.61 [7685-70-3] (free acid)	5 g 63.—	
74704	NPS-L-tryptophan Dicyclohexylamine salt puriss.; store in refrigerator $\text{C}_6\text{H}_4\text{NHCH}(\text{C}_6\text{H}_4\text{CH}_2\text{CH}(\text{NHSC}_6\text{H}_4\text{NO}_2)\text{COOH} \cdot \text{C}_{12}\text{H}_{23}\text{N}$ $\text{C}_{17}\text{H}_{15}\text{N}_3\text{O}_4\text{S} \cdot \text{C}_{12}\text{H}_{23}\text{N}$ M_r 538.72 [13155-38-9] (free acid)	5 g 63.—	
74707	NPS-L-valine Dicyclohexylamine salt puriss. CHR; store in refrigerator $(\text{CH}_3)_2\text{CHCH}(\text{NHSC}_6\text{H}_4\text{NO}_2)\text{COOH} \cdot (\text{C}_6\text{H}_{11})_2\text{NH}$ $\text{C}_{23}\text{H}_{37}\text{N}_3\text{O}_4\text{S}$ M_r 451.56 [7675-57-2]	5 g 63.—	
74708	Nα-NPS-Nϵ-Z-L-lysine Dicyclohexylamine salt puriss. CHR $\text{C}_6\text{H}_5\text{CH}_2\text{OCONH}(\text{CH}_2)_4\text{CH}(\text{NHSC}_6\text{H}_4\text{NO}_2)\text{COOH} \cdot \text{C}_{12}\text{H}_{23}\text{N}$ $\text{C}_{20}\text{H}_{23}\text{N}_3\text{O}_6\text{S} \cdot \text{C}_{12}\text{H}_{23}\text{N}$ M_r 614.81 [7675-62-9]	5 g 90.—	

NTC see 72150 Neotetrazolium chloride

60700	Nuclear Fast Red Standard Fluka for Microscopy (Bot., Hist.)	5 g 8.—	25 g 31.—
	Nucleic acid see 83850 Ribonucleic acid		

Nucleosides and Nucleotides see green section

Nucleotide Synthesis see green section

	Ochratoxin A {N-[(5-Chloro-8-hydroxy-3-methyl-1-oxo-7-isochromanyl)-carbonyl]-3-phenylalanine} $\text{C}_{20}\text{H}_{18}\text{ClNO}_6$ M_r 403.82 [303-47-9]		
74711	Phytotoxine; severe poison; store in refrigerator	Ampoule of 5 mg	75.—

Octa-O-acetyl- β -sophorose see 85495 β -Sophorose-octaacetate

	Octacosane (Alkane C_{28}) $\text{CH}_3(\text{CH}_2)_{26}\text{CH}_3$ $\text{C}_{28}\text{H}_{58}$ M_r 394.77 [630-02-4]		
74690	purum >98%; M.P. 60-62°; 1 g clearly and colourless soluble in 10 ml Chloroform	10 g 12.—	50 g 50.—
74700	Octacosanoic acid puriss. CHR synth. ~99%(NT); M.P. 90-92° (Carboxylic acid C_{28}) $\text{CH}_3(\text{CH}_2)_{26}\text{COOH}$ $\text{C}_{28}\text{H}_{56}\text{O}_2$ M_r 424.76 [506-48-9]	250 mg 22.—	1 g 80.—

9,12-Octadecadienoic acid see 62230 Linoleic acid

	Octadecafluorodecahydronaphthalene [Perfluorodecahydronaphthalene (cis + trans); Perfluorodecalin] $\text{C}_{10}\text{F}_{18}$ M_r 462.08 [306-94-5]		
77264	pract. >95%(GC); B.P. 140-142°; d_4^{20} 1.942; n_D^{20} 1.314	1 lt $\approx$ 1.94 kg	10 ml 18.— 50 ml 75.—

	Octadecafluorooctane (Perfluorooctane) $\text{CF}_3(\text{CF}_2)_6\text{CF}_3$ C_8F_{18} M_r 438.06 [307-34-6]		
77286	purum >97%(GC); B.P. 103-105°; d_4^{20} 1.766	1 lt $\approx$ 1.77 kg	1 ml 30.— 5 ml 125.—

	Octadecane (Alkane C_{18}) $\text{CH}_3(\text{CH}_2)_{16}\text{CH}_3$ $\text{C}_{18}\text{H}_{38}$ M_r 254.50 [593-45-3]		
74705	puriss. >99%; M.P. 28-30°; olefin free	25 g 17.—	100 g 60.—
74710	purum >98%(GC); M.P. 26-29°; olefin free	100 g 20.—	500 g 85.—

	1-Octadecanethiol (Mercaptan C_{18} ; Octadecyl mercaptan; Stearyl mercaptan) $\text{CH}_3(\text{CH}_2)_{17}\text{SH}$ $\text{C}_{18}\text{H}_{38}\text{S}$ M_r 286.57 [2885-00-9]		
74731	pract. ~95%(GC); M.P. 25-29°	50 g 20.—	250 g 85.—

Octadecanoic acid 85679 Stearic acid

	1-Octadecanol (Alcohol C_{18} ; Octadecyl alcohol; Stearyl alcohol) $\text{CH}_3(\text{CH}_2)_{17}\text{OH}$ $\text{C}_{18}\text{H}_{38}\text{O}$ M_r 270.50 [112-92-5]		
74720	puriss. >99%(GC); M.P. 57-58°; 1 g clearly and colourless soluble in 100 ml Methanol	50 g 10.—	250 g 40.—
74722	purum ~97%(GC); M.P. 56-58°	1 kg 20.—	5 kg 85.—

9,12,15-Octadecatrienoic acid see 62160 Linolenic acid

	1-Octadecene $\text{CH}_3(\text{CH}_2)_{16}\text{CH}=\text{CH}_2$ $\text{C}_{18}\text{H}_{36}$ M_r 252.49 [112-88-9]		
74740	purum ~97%(GC); M.P. 17-19°; d_4^{20} 0.788; n_D^{20} 1.445	1 lt $\approx$ 0.79 kg	100 ml 35.— 500 ml 145.—
74745	techn. ~90%(GC); M.P. 14-18°; d_4^{20} 0.789; n_D^{20} 1.445	1 lt $\approx$ 0.79 kg	1 lt 22.— 5 lt 90.—

			sFr.	sFr.
	cis-9-Octadecan-1-ol see 75342 Oleyl alcohol			
	cis-8-Octadecenoic acid see 77410 Petroselinic acid			
	cis-9-Octadecenoic acid see 75090 Oleic acid			
	trans-9-Octadecenoic acid see 45089 Elaidic acid			
	Octadecyl alcohol see 74720 1-Octadecanol			
	Octadecylamine (Amine C ₁₈ ; 1-Aminooctadecane; Stearylamine) CH ₃ (CH ₂) ₁₇ NH ₂ C ₁₈ H ₃₉ N M _r 269.52 [124-30-1]			
74752	pract. ~95%(NT)		250 g 10. —	1 kg 32. —
	Octadecyl bromide see 17770 1-Bromooctadecane			
	Octadecyl chloride see 25650 1-Chlorooctadecane			
	Octadecyl cyanide see 74220 Nonadecanenitrile			
	Octadecyl isocyanate (Stearyl isocyanate) 6.1/21 CH ₃ (CH ₂) ₁₇ NCO C ₁₉ H ₃₇ NO M _r 295.51 [112-96-9]			
74760	pract. 98%; M.P. 17-20°; B.P. 202-210°	1 lt ≈ 0.90 kg	100 ml 12. —	500 ml 50. —
	Octadecyl mercaptan see 74731 1-Octadecanethiol			
	DL-3-Octadecyloxy-1,2-propanediol see 11900 Batyl alcohol			
	1,4-Octadiene (cis + trans) 3/1a; 9° CH ₃ CH ₂ CH ₂ CH:CHCH ₂ CH:CH ₂ C ₈ H ₁₄ M _r 110.20 [5675-25-2]			
74775	purum >98%(GC); B.P. 117-119°; d ₄ ²⁰ 0.734; n _D ²⁰ 1.425	1 lt ≈ 0.73 kg	5 ml 44. —	
	1,7-Octadiene CH ₂ :CH(CH ₂) ₄ CH:CH ₂ C ₈ H ₁₄ M _r 110.20 [3710-30-3]			
74778	puriss. stab. with 0.1% Hydroquinone; >99.5%; B.P. 119-120°; d ₄ ²⁰ 0.729; n _D ²⁰ 1.423	1 lt ≈ 0.73 kg	10 ml 25. —	
74779	purum >97%(GC)	1 lt ≈ 0.73 kg	100 ml 15. —	500 ml 63. —
	Octahydroazocine see 51710 Heptamethylenimine			
	6,7,8,9,10,11,17,18-Octahydro-5H-dibenzo[e,n]-1,4,8,12-dioxadiazacyclopentadecene see 33537 5,6,14,15-Dibenzo-1,4-dioxa-8,12-diazacyclopentadeca-5,14-diene			
	Octahydroindene see 53932 Hydrindan (cis + trans)			
	2,3,4,6,7,8,9,10-Octahydropyrimido[1,2-a]azepine see 33482 1,5-Diazabicyclo[5.4.0]undec-5-ene (1,8-7)			
	Octamethyl cyclotetrasiloxane 3/3; 51° (CH ₃) ₂ Si[OSi(CH ₃) ₂] ₃ O C ₈ H ₂₄ O ₄ Si ₄ M _r 296.62 [556-67-2]			
74811	purum >98%(GC); M.P. 16-18°; B.P. 175° (Lit.); d ₄ ²⁰ 0.955; n _D ²⁰ 1.396	1 lt ≈ 0.96 kg	100 ml 15. —	500 ml 63. —
	Octamethylenediamine see 33200 1,8-Diaminooctane			
	Octamethylene dibromide see 34250 1,8-Dibromooctane			
	Octamethylene dicyanide see 84871 Sebaconitrile			
	Octamethylene diiodide see 38070 1,8-Diiodooctane			
	Octamethylene glycol see 74840 1,8-Octanediol			
	Octanal see 21630 Caprylic aldehyde			
	Octanamide see 21680 Caprylamide			
	Octane (Alkane C ₈) 3/1a; 13° CH ₃ (CH ₂) ₆ CH ₃ C ₈ H ₁₈ M _r 114.23 [111-65-9]			
74820	puriss. Standard for GC; >99.8%(GC) + Naphthene + Isoparaffin; B.P. 125-126°; d ₄ ²⁰ 0.703; n _D ²⁰ 1.397	1 lt ≈ 0.70 kg	10 ml 28. —	50 ml 120. —
74821	puriss. p.a. Fluka-Guarantee: Assay (GC) >99.5 % Nickel (Ni) <0.00001% Water (H ₂ O) <0.02 % Copper (Cu) <0.00001% Residue on evaporation <0.002 % Lead (Pb) <0.00001% Iron (Fe) <0.00005% Cadmium (Cd) <0.00001% Cobalt (Co) <0.00001% Zinc (Zn) <0.00001%	1 lt ≈ 0.70 kg	100 ml 18. —	500 ml 75. —
74822	purum >99%(GC); B.P. 125-126°; d ₄ ²⁰ 0.702; n _D ²⁰ 1.398	1 lt ≈ 0.70 kg	100 ml 8. —	500 ml 26. —
74823	pract. >96%(GC); B.P. 123-126°; d ₄ ²⁰ 0.702; n _D ²⁰ 1.398	1 lt ≈ 0.70 kg	1 lt 25. —	5 lt 105. —



				sFr.	sFr.
	Octane Fraction compare also alkane mixtures				
74830	3/1a; 13°	purum B.P. 124-128°; d_4^{20} 0.73; n_D^{20} 1.397	1 lt $\approx$ 0.73 kg	1 lt 15. —	5 lt 63. —
	1,8-Octanediamine see 33200 1,8-Diaminooctane				
	Octanedioic acid see 60930 Suberic acid				
74840	1,8-Octanediol	purum >98%(GC); M.P. 58-60°; B.P. ₂₀ 172° (Lit.) (Octamethylene glycol) HO(CH ₂) ₈ OH C ₈ H ₁₈ O ₂ M _r 146.23 [629-41-4]		25 g 17. —	100 g 60. —
	Octanenitrile see 21740 Caprylonitrile				
74885	1-Octanesulfonic acid Sodium salt Monohydrate	purum >99%(NT) CH ₃ (CH ₂) ₈ CH ₂ SO ₃ Na·H ₂ O C ₉ H ₁₇ NaO ₃ S·H ₂ O M _r 234.29 [5324-84-5]		5 g 29. —	
	1-Octanethiol (Mercaptan C ₈ ; Octylmercaptan) 6.1/81a; 68° CH ₃ (CH ₂) ₇ SH C ₈ H ₁₈ S M _r 146.30 [111-88-6]				
74890		pract. $\sim$ 97%(GC); B.P. 194-198°; d_4^{20} 0.843; n_D^{20} 1.453	1 lt $\approx$ 0.84 kg	250 ml 13. —	1 lt 45. —
	Octanoic acid see 21639 Caprylic acid				
	1-Octanol (Alcohol C ₈ ; Capryl alcohol; Octyl alcohol) 3/4; 80° CH ₃ (CH ₂) ₇ OH C ₈ H ₁₈ O M _r 130.23 [111-87-5]				
74850		puriss. >99%(GC); M.P. -15--13°; B.P. 193-195°; d_4^{20} 0.824; n_D^{20} 1.429	1 lt $\approx$ 0.82 kg	100 ml 8. —	500 ml 29. —
74852		purum $\sim$ 97%(GC); d_4^{20} 0.824; n_D^{20} 1.429	1 lt $\approx$ 0.82 kg	1 lt 16. —	5 lt 67. —
	2-Octanol (Hexyl methyl carbinol) 3/4; 76° CH ₃ (CH ₂) ₅ CH(OH)CH ₃ C ₈ H ₁₈ O M _r 130.23 [123-96-6]				
74860		purum $\sim$ 98%(GC); B.P. 179-180°; d_4^{20} 0.819; n_D^{20} 1.426	1 lt $\approx$ 0.82 kg	1 lt 15. —	5 lt 63. —
74863	S(+)-2-Octanol	puriss. >99%(GC); $[\alpha]_{546}^{20} + 11 \pm 1^\circ$ 3/4; 76° CH ₃ (CH ₂) ₅ CH(OH)CH ₃ C ₈ H ₁₈ O M _r 130.23 [6169-06-8]	1 lt $\approx$ 0.82 kg	5 ml 29. —	25 ml 120. —
	R(-)-2-Octanol 3/4; 76° CH ₃ (CH ₂) ₅ CH(OH)CH ₃ C ₈ H ₁₈ O M _r 130.23 [5978-70-1]				
74865		puriss. >99%(GC); B.P. 175°; d_4^{20} 0.822; n_D^{20} 1.425; $[\alpha]_{546}^{20} - 11 \pm 1^\circ$	1 lt $\approx$ 0.82 kg	5 ml 29. —	25 ml 120. —
	3-Octanol (Ethyl pentyl carbinol) 3/4; 68° CH ₃ (CH ₂) ₄ CH(OH)CH ₂ CH ₃ C ₈ H ₁₈ O M _r 130.23 [589-98-0]				
74870		purum $\sim$ 97%(GC); B.P. ₁₁ 75-76°; d_4^{20} 0.82	1 lt $\approx$ 0.82 kg	50 ml 29. —	
	4-Octanol (Butyl propyl carbinol) 3/4; 65° CH ₃ (CH ₂) ₃ CH(OH)CH ₂ CH ₂ CH ₃ C ₈ H ₁₈ O M _r 130.23 [589-62-8]				
74880		purum >98%(GC); B.P. 175-177°; d_4^{20} 0.818; n_D^{20} 1.426	1 lt $\approx$ 0.82 kg	10 ml 35. —	50 ml 145. —
	2-Octanone (Hexyl methyl ketone) 3/4; 56° CH ₃ (CH ₂) ₅ COCH ₃ C ₈ H ₁₆ O M _r 128.22 [111-13-7]				
53220		purum >98%(GC); B.P. 170-172°; d_4^{20} 0.82; n_D^{20} 1.416	1 lt $\approx$ 0.82 kg	100 ml 11. —	500 ml 44. —
	3-Octanone (Ethyl pentyl ketone) 3/3 CH ₃ (CH ₂) ₄ COC ₂ H ₅ C ₈ H ₁₆ O M _r 128.22 [106-68-3]				
04659		purum $\sim$ 97%(GC); B.P. 166-169°; d_4^{20} 0.821; n_D^{20} 1.415	1 lt $\approx$ 0.82 kg	100 ml 20. —	500 ml 85. —
	Octanoyl chloride see 21700 Capryloyl chloride				
	2,5,8,11,18,21,24,27-Octaoxatricyclo[26.4.0.0^{12,17}] see 36668 Dicyclohexano-24-crown-8				
74893	Octatriacontane	purum M.P. 77-79° (Alkane C ₃₈) CH ₃ (CH ₂) ₃₆ CH ₃ C ₃₈ H ₇₈ M _r 535.04 [7194-85-6]		1 g 18. —	5 g 75. —
	1-Octene 3/1a; 8° CH ₃ (CH ₂) ₆ CH:CH ₂ C ₈ H ₁₆ M _r 112.22 [111-66-0]				
74900		puriss. Standard for GC; >99.5%(GC) + isomeric Octenes; B.P. 121-122°; d_4^{20} 0.715; n_D^{20} 1.408	1 lt $\approx$ 0.72 kg	10 ml 30. —	50 ml 125. —
74902		purum >98%(GC); B.P. 120-122°; d_4^{20} 0.714; n_D^{20} 1.409	1 lt $\approx$ 0.71 kg	100 ml 8. —	500 ml 26. —
74903		pract. >97%(GC); B.P. 119-122°; d_4^{20} 0.713; n_D^{20} 1.408	1 lt $\approx$ 0.71 kg	250 ml 8. —	1 lt 25. —
74910	trans-2-Octene	purum >99%(GC); B.P. 122-124°; d_4^{20} 0.722; n_D^{20} 1.413 3/1a; 14° CH ₃ (CH ₂) ₄ CH:CHCH ₃ C ₈ H ₁₆ M _r 112.22 [13389-42-9]	1 lt $\approx$ 0.72 kg	5 ml 26. —	25 ml 110. —
74930	trans-3-Octene	purum >99%(GC); B.P. 121-122°; d_4^{20} 0.716; n_D^{20} 1.413 3/1a; 14° CH ₃ (CH ₂) ₃ CH:CHCH ₂ CH ₃ C ₈ H ₁₆ M _r 112.22 [14919-01-8]	1 lt $\approx$ 0.72 kg	5 ml 26. —	25 ml 110. —

			sFr.	sFr.
74940	trans-4-Octene purum ~99% (GC); B.P. 119-121°; d_4^{20} 0.714; n_D^{20} 1.412 3/1a; 14° $\text{CH}_3\text{CH}_2\text{CH}_2\text{CH}:\text{CHCH}_2\text{CH}_2\text{CH}_3$ C_8H_{16} M_r 112.22 [14850-23-8]	1 lt ≈ 0.71 kg	5 ml 18. —	25 ml 75. —
	1-Octen-3-ol (Pentyl vinyl carbinol) 3/4; 87° $\text{CH}_3(\text{CH}_2)_4\text{CH}(\text{OH})\text{CH}:\text{CH}_2$ $\text{C}_8\text{H}_{16}\text{O}$ M_r 128.22 [3391-86-4]			
74950	purum >98% (GC); B.P. 173-175°; d_4^{20} 0.836; n_D^{20} 1.438	1 lt ≈ 0.84 kg	10 ml 18. —	50 ml 75. —
	DL-Octopamine hydrochloride [DL-1-(4-Hydroxyphenyl)-2-aminoethanol hydrochloride] $\text{OHC}_6\text{H}_4\text{CH}(\text{OH})\text{CH}_2\text{NH}_2\cdot\text{HCl}$ $\text{C}_8\text{H}_{11}\text{NO}_2\cdot\text{HCl}$ M_r 189.64 [770-05-8]			
74980	puriss. >99% (NT); M.P. ~170° dec.; 1 g clearly soluble in 10 ml water		10 g 16. —	50 g 67. —
	Octyl alcohol see 74850 1-Octanol			
	Octylamine (Amine C_8 ; 1-Aminooctane; Caprylamine) 3/4; 60° $\text{CH}_3(\text{CH}_2)_7\text{NH}_2$ $\text{C}_8\text{H}_{19}\text{N}$ M_r 129.25 [111-86-4]			
74990	puriss. >99% (GC); M.P. 0-2°; B.P. 1175-77°; d_4^{20} 0.779; n_D^{20} 1.430	1 lt ≈ 0.78 kg	100 ml 18. —	500 ml 75. —
74992	purum dest. >98% (GC); d_4^{20} 0.782; n_D^{20} 1.430	1 lt ≈ 0.78 kg	250 ml 14. —	1 lt 50. —
	tert-Octylamine (2-Amino-2,4,4,3-trimethylpentane; 1,1,3,3-Tetramethylbutylamine) 3/4; 33° $(\text{CH}_3)_3\text{CCH}_2\text{C}(\text{CH}_3)_2\text{NH}_2$ $\text{C}_8\text{H}_{19}\text{N}$ M_r 129.25 [107-45-9]			
75000	pract. >95% (GC); B.P. 137-143°; d_4^{20} 0.776; n_D^{20} 1.425; may also contain 1,1,4-Trimethylpentylamine	1 lt ≈ 0.78 kg	250 ml 10. —	1 lt 35. —
	Octylbenzene (1-Phenyloctane) $\text{C}_6\text{H}_5(\text{CH}_2)_7\text{CH}_3$ $\text{C}_{14}\text{H}_{22}$ M_r 190.33 [2189-60-8]			
75010	purum ~99% (GC); B.P. 264-268°; d_4^{20} 0.856; n_D^{20} 1.484	1 lt ≈ 0.86 kg	25 ml 17. —	100 ml 60. —
75002	4-Octylbenzoic acid puriss. Liquid crystal; >99% (T); M.P. 97-98° $\text{CH}_3(\text{CH}_2)_6\text{CH}_2\text{C}_6\text{H}_4\text{COOH}$ $\text{C}_{15}\text{H}_{22}\text{O}_2$ M_r 234.34 [3575-31-3]		1 g 20. —	5 g 85. —
	Octyl ether (Dioctyl ether) $[\text{CH}_3(\text{CH}_2)_7]_2\text{O}$ $\text{C}_{16}\text{H}_{34}\text{O}$ M_r 242.45 [629-82-3]			
42380	purum >97% (GC); B.P. 286-287° (Lit.); d_4^{20} 0.807; n_D^{20} 1.433	1 lt ≈ 0.81 kg	25 ml 14. —	100 ml 50. —
	Octyl bromide see 17810 1-Bromooctane			
	Octyl chloride see 25660 1-Chlorooctane			
	Octyl cyanide see 76380 Pelargonitrile			
	Octyl fluoride see 47246 1-Fluorooctane			
	N-tert-Octylformamide see 87755 N-(1,1,3,3-Tetramethylbutyl)-formamide			
48700	Octyl gallate purum >99% (T); M.P. 95-100°; Antioxidant $(\text{OH})_3\text{C}_6\text{H}_2\text{COO}(\text{CH}_2)_7\text{CH}_3$ $\text{C}_{15}\text{H}_{22}\text{O}_5$ M_r 282.34 [1034-01-1]		50 g 26. —	250 g 110. —
	Octyl iodide see 57971 1-Iodoctane			
	tert-Octyl isocyanide see 87765 1,1,3,3-Tetramethylbutyl isocyanide			
	Octyl mercaptan see 74890 1-Octanethiol			
75070	4-tert-Octylphenol purum ~97% (NT); M.P. 80-83° $\text{C}_8\text{H}_{17}\text{C}_6\text{H}_4\text{OH}$ $\text{C}_{14}\text{H}_{22}\text{O}$ M_r 206.33 [140-66-9]		1 kg 22. —	
	Octyl propyl ketone see 75080 4-Dodecanone			
	Octyl sulfide (Dioctylsulfide) 6.1/81a $\text{CH}_3(\text{CH}_2)_7\text{S}(\text{CH}_2)_7\text{CH}_3$ $\text{C}_{16}\text{H}_{34}\text{S}$ M_r 258.51 [2690-08-6]			
42440	pract. ~95% (GC); B.P. 184-185°; d_4^{20} 0.844; n_D^{20} 1.462	1 lt ≈ 0.84 kg	25 ml 40. —	100 ml 145. —
74970	1-Octyne purum >99% (GC); B.P. 123-126°; d_4^{20} 0.746; n_D^{20} 1.416 3/1a; 16° $\text{CH}_3(\text{CH}_2)_5\text{C}\equiv\text{CH}$ C_8H_{14} M_r 110.20 [629-05-0]	1 lt ≈ 0.75 kg	10 ml 18. —	50 ml 75. —
	Oenanthaldehyde see 75170 1-Heptaldehyde			
	Oenanthic acid (Carboxylic acid C_7 ; Heptanoic acid) $\text{CH}_3(\text{CH}_2)_5\text{COOH}$ $\text{C}_7\text{H}_{14}\text{O}_2$ M_r 130.19 [111-14-8]			
75190	puriss. >99% (GC); M.P. -9--6°; B.P. 112-114°; d_4^{20} 0.918; n_D^{20} 1.421	1 lt ≈ 0.92 kg	100 ml 11. —	500 ml 46. —
75192	purum >98% (GC); M.P. -6--4°; d_4^{20} 0.917; n_D^{20} 1.423	1 lt ≈ 0.92 kg	250 ml 8. —	1 lt 25. —
	Oenanthic anhydride $[\text{CH}_3(\text{CH}_2)_5\text{CO}]_2\text{O}$ $\text{C}_{14}\text{H}_{26}\text{O}_3$ M_r 242.36 [626-27-7]			
75204	purum ~97% (GC); B.P. 164° (Lit.); d_4^{20} 0.917; n_D^{20} 1.433	1 lt ≈ 0.92 kg	100 ml 15. —	500 ml 63. —

				sFr.		sFr.
	Oenanthic chloride see 75210 Heptanoyl chloride					
	Oenantholactam [Aza-2-cyclooctanone; Hexahydro-2(1H)-azocinone; 2-Oxohexamethyleneimine] $\text{CH}_2(\text{CH}_2)_5\text{NHCO}$ $\text{C}_7\text{H}_{13}\text{NO}$ M_r 127.19 [673-66-5] 75173 pract. ~98%(N); M.P. 32-36°; H_2O ~2% 25 g 26. — 100 g 95. —					
	Oenanthone see 37240 7-Tridecanone					
72075	Oil of cloves Standard Fluka for Microscopy; d_4^{20} 1.04; n_D^{20} 1.531 (Clove oil) 1 lt ≈ 1.04 kg 100 ml 14. — 500 ml 60. —					
	Oleic acid (Elainic acid; cis-9-Octadecenoic acid) $\text{CH}_3(\text{CH}_2)_7\text{CH}:\text{CH}(\text{CH}_2)_7\text{COOH}$ $\text{C}_{18}\text{H}_{34}\text{O}_2$ M_r 282.47 [112-80-1] 75090 puriss. natural Standard for GC; ~99%(GC); B.P. 220-222° (Lit.); d_4^{20} 0.891; n_D^{20} 1.459; store in refrigerator 1 lt ≈ 0.89 kg 5 ml 37. — 25 ml 155. — 75092 purum natural >97%(GC); d_4^{20} 0.890; n_D^{20} 1.459; store in refrigerator 1 lt ≈ 0.89 kg 5 ml 24. — 25 ml 100. — 75093 Erg. B. 6; d_4^{20} 0.893; n_D^{20} 1.461; store in refrigerator 1 lt ≈ 0.89 kg 1 lt 11. — 5 lt 46. —					
	Oleic acid Potassium salt see Potassium oleate					
	"trans-Oleic acid" see 45089 Elaidic acid					
	Olein see 49960 Monoolein					
75135	Oleoyl chloride techn. ~90%(GC); d_4^{20} 0.937; n_D^{20} 1.465 1 lt ≈ 0.94 kg 250 ml 10. — 1 lt 35. — 8/22 $\text{CH}_3(\text{CH}_2)_7\text{CH}:\text{CH}(\text{CH}_2)_7\text{COCl}$ $\text{C}_{18}\text{H}_{33}\text{ClO}$ M_r 300.92 [112-77-6]					
	rac-1-Oleoyl-glycerol see 49960 Monoolein					
	L-β-Oleoyl-γ-palmitoyl-α-cephalin (2-Oleoyl-1-palmitoyl-sn-glycero-3-phosphorylethanolamine) $\text{C}_{38}\text{H}_{76}\text{NO}_8\text{P}$ M_r 718.02 [26662-94-2] + [39749-44-5] 75336 puriss. M.P. 190-192°; $[\alpha]_{546}^{20} + 7.6 \pm 0.2^\circ$ (c = 10 in Chlf./Methanol 9:1) 100 mg 70. — 1 g 560. —					
75337	DL-α-Oleoyl-γ-palmitoyl-α-cephalin puriss. M.P. 199-200° 100 mg 50. — 1 g 400. — $\text{C}_{38}\text{H}_{76}\text{NO}_8\text{P}$ M_r 718.02 [10015-88-0]					
	L-β-Oleoyl-γ-palmitoyl-N,N-dimethyl-α-cephalin (2-Oleoyl-1-palmitoyl-sn-glycero-3-phosphoryl-N,N-dimethylethanolamine) $\text{C}_{41}\text{H}_{80}\text{NO}_8\text{P}$ M_r 746.07 75339 puriss. M.P. 155-157°; $[\alpha]_{546}^{20} + 7.5 \pm 0.5^\circ$ (c = 10 in Chlf./Methanol 9:1) 100 mg 65. — 1 g 520. —					
	L-β-Oleoyl-γ-palmitoyl-α-lecithin (2-Oleoyl-1-palmitoyl-sn-glycero-3-phosphorylcholine) $\text{C}_{42}\text{H}_{82}\text{NO}_8\text{P}$ M_r 760.10 [26853-31-6] 75353 purum M.P. 218-220°; $[\alpha]_{546}^{20} + 7.0 \pm 0.5^\circ$ (c = 10 in Chlf./Methanol 9:1) 100 mg 65. — 1 g 520. —					
75354	DL-β-Oleoyl-γ-palmitoyl-α-lecithin purum M.P. 223-225° 100 mg 50. — 1 g 400. — $\text{C}_{42}\text{H}_{82}\text{NO}_8\text{P}$ M_r 760.10 [26662-91-9]					
75341	DL-β-Oleoyl-γ-palmitoyl-N-methyl-α-cephalin puriss. M.P. 172-174° 100 mg 75. — 1 g 600. — $\text{C}_{40}\text{H}_{78}\text{NO}_8\text{P}$ M_r 732.05					
	DL-β-Oleoyl-γ-palmitoyl-O-methyl-α-phosphatidic acid Barium salt (rac-2-Oleoyl-1-palmitoylglycero-3-phosphate methyl ester Hemibarium salt) $\text{C}_{38}\text{H}_{72}\text{O}_8\text{P} \frac{1}{2}\text{Ba}$ M_r 756.63 75343 purum 100 mg 60. — 1 g 480. —					
	Oleyl alcohol (cis-9-Octadecen-1-ol) $\text{CH}_3(\text{CH}_2)_7\text{CH}:\text{CH}(\text{CH}_2)_7\text{CH}_2\text{OH}$ $\text{C}_{18}\text{H}_{36}\text{O}$ M_r 268.49 [143-28-2] 75342 techn. ~60-80%(GC); M.P. 0-5°; B.P. 145-146° (Lit.); d_4^{20} 0.847; n_D^{20} 1.460 1 lt ≈ 0.85 kg 250 ml 8. — 1 lt 22. —					
	Oleylamine (cis-1-Amino-9-octadecene) $\text{CH}_3(\text{CH}_2)_7\text{CH}:\text{CH}(\text{CH}_2)_7\text{CH}_2\text{NH}_2$ $\text{C}_{18}\text{H}_{37}\text{N}$ M_r 267.50 [112-90-3] 75350 pract. dest. ~97%(NT); M.P. 18-26°; B.P. 348-350° (Lit.); d_4^{20} 0.83 1 lt ≈ 0.83 kg 250 ml 11. — 1 lt 38. —					
75352	Oligomycin structure: J. Seghal, Dissertation Abstracts 21, 1382 (1960) 5 mg 24. — $\text{C}_{24}\text{H}_{40}\text{O}_8$ M_r 424.58					
	OMI see 67714 O-Methylisourea hydrogen sulfate					
	Ooporphyrin dimethyl ester see 82510 Protoporphyrin-"IX" dimethyl ester					
	OPHA see 79760 Phthaldialdehyde					
75355	Oracet Blue B Standard Fluka 25 g 17. — 100 g 60. — $\text{C}_{21}\text{H}_{16}\text{N}_2\text{O}_2$ M_r 328.37 [12769-16-3]					

					sFr.	sFr.
75360	Orange I [C.I. Nr. 14600; Sch. Nr. 185] [4-(4-Hydroxy-1-naphthylazo)benzenesulfonic acid Sodium salt; α -Naphthol Orange; Tropaeolin 000 Nr. 1] 4-NaO ₃ SC ₆ H ₄ N:N-4-C ₁₀ H ₆ -1-OH C ₁₆ H ₁₁ N ₂ NaO ₄ S M _r 350.33 [523-44-4] Standard Fluka Indicator pH 7.6-8.9; for Microscopy (Hist.)				25 g 10.—	100 g 40.—
	Orange II [C.I. Nr. 15510; Sch. Nr. 189] [Acid Orange A; 4-(2-Hydroxy-1-naphthylazo)benzenesulfonic acid Sodium salt; Tropaeolin 000 Nr. 2] 4-NaO ₃ SC ₆ H ₄ N:N-1-C ₁₀ H ₆ -2-OH C ₁₆ H ₁₁ N ₂ NaO ₄ S M _r 350.33 [633-96-5] Standard Fluka Indicator pH 11.0-13.0; for Microscopy (Hist.)				100 g 8.—	500 g 29.—
	Orange III see 68250 Methyl Orange					
	Orange IV see 93530 Tropaeolin 00					
75380	Orange G [C.I. Nr. 16230; Sch. Nr. 39] (1-Phenylazo-2-naphthol-6,8-disulfonic acid Disodium salt) C ₆ H ₅ N:N-1-C ₁₀ H ₄ -2-OH-6,8-(SO ₃ Na) ₂ C ₁₆ H ₁₀ N ₂ Na ₂ O ₇ S ₂ M _r 452.38 [1936-15-8] Standard Fluka for Microscopy (Hist.)			25 g 7.—	100 g 15.—	500 g 63.—
	Orange G Ammonium salt [C.I. Nr. 16230; Sch. Nr. 39] C ₆ H ₅ N:N-1-C ₁₀ H ₄ -2-OH-6,8(SO ₃ NH ₄) ₂ C ₁₆ H ₁₈ N ₄ O ₇ S ₂ M _r 442.72 Standard Fluka for Microscopy (Hist.)				10 g 9.—	50 g 32.—
75400	Orange G alcoholic solution 3/5; 1° Standard Fluka for speedy diagnosis of Tumors (Staining procedure according to Papanicolaou)	1 lt $\approx$ 0.80 kg	100 ml 7.—	500 ml 11.—	1 lt 20.—	
	Orange G-4'-carboxaldehyde see 50840 G-Orange					
75410	Orcein [C.I. Natural Red 28; Sch. Nr. 1386] [1400-62-0] p.a. for Microscopy (Bot., Hist.)				10 g 18.—	50 g 75.—
	Orcine Monohydrate (3,5-Dihydroxytoluene; 5-Methylresorcinol; Orcinol) CH ₃ C ₆ H ₃ (OH) ₂ ·H ₂ O C ₇ H ₈ O ₂ ·H ₂ O M _r 142.16 [504-15-4] purum $\sim$ 98%(NT); M.P. 56-58°; Reagent for Pentose, Diastase, Lignin and Sucrose; easily oxidized; light sensitive				10 g 13.—	50 g 55.—
	Orcinol see 75420 Orcine Monohydrate					
75440	L-Ornithine dihydrochloride NH ₂ (CH ₂) ₃ CH(NH ₂)COOH·2HCl C ₅ H ₁₂ N ₂ O ₂ ·2HCl M _r 205.09 [20724-48-5] puriss. >99%(Cl); M.P. 197-199° dec.; [α] _D ²⁰ +20 $\pm$ 1°; [α] _D ²⁰ +17 $\pm$ 1° (c = 5 in water)				5 g 16.—	25 g 67.—
	L-Ornithine monohydrochloride NH ₂ (CH ₂) ₃ CH(NH ₂)COOH·HCl C ₅ H ₁₂ N ₂ O ₂ ·HCl M _r 168.62 [3184-13-2] puriss. p.a. [α] _D ²⁰ +27.3 $\pm$ 0.5°; [α] _D ²⁰ +23.0 $\pm$ 0.5° (c = 5 in 5n HCl) Fluka-Guarantee: Assay >99.0% Ammonium (NH ₄) <0.01 % Other amino acids <0.3 % Copper (Cu) <0.0001% Loss on drying <0.5 % Lead (Pb) <0.0001% Residue on ignition Iron (Fe) <0.0005% (as SO ₄) <0.1 % Zinc (Zn) <0.0001% Sulfate (SO ₄) <0.01% Cadmium (Cd) <0.0001%				25 g 10.—	100 g 35.—
75480	D-Ornithine monohydrochloride puriss. CHR NH ₂ (CH ₂) ₃ CH(NH ₂)COOH·HCl C ₅ H ₁₂ N ₂ O ₂ ·HCl M _r 168.62 [16682-12-5]				1 g 20.—	5 g 85.—
75490	DL-Ornithine monohydrochloride puriss. $\sim$ 99%(Cl); M.P. $\sim$ 233° dec. NH ₂ (CH ₂) ₃ CH(NH ₂)COOH·HCl C ₅ H ₁₂ N ₂ O ₂ ·HCl M _r 168.62 [1069-31-4]				10 g 10.—	50 g 42.—
75500	Orotic acid anhydrous (4-Carboxyuracil; 2,6-Dihydroxypyrimidine-4-carboxylic acid; Uracil-4-carboxylic acid) N:C(OH)N:C(OH)CH:CCOOH C ₅ H ₄ N ₂ O ₄ M _r 156.10 [65-86-1] purum >98%(T); M.P. >300°; <1% water				100 g 25.—	500 g 105.—
	Orotic acid Monohydrate purum >97%(T); M.P. >300°; Ash <0.05% N:C(OH)N:C(OH)CH:CCOOH·H ₂ O C ₅ H ₄ N ₂ O ₄ ·H ₂ O M _r 174.11 [50887-69-9]				100 g 22.—	500 g 90.—
75505	Orotic acid Lithium salt Monohydrate purum >99%(NT); M.P. >300° N:C(OH)N:C(OH)CH:CCOOLi·H ₂ O C ₅ H ₃ LiN ₂ O ₄ ·H ₂ O M _r 180.04 [5266-20-6]				50 g 18.—	250 g 75.—
75515	Orotic acid Zinc salt Dihydrate purum C ₁₀ H ₆ N ₄ O ₆ Zn·2H ₂ O M _r 411.58				50 g 18.—	250 g 75.—



			sFr.	sFr.
	Orthanilic acid (2-Aminobenzenesulfonic acid; Aniline-2-sulfonic acid; o-Sulfanilic acid) NH ₂ C ₆ H ₄ SO ₃ H C ₆ H ₇ NO ₃ S M _r 173.19 [88-21-1]			
75520	pract. ~95%(T); M.P. >300°; Ash 2-5%		100 g 18.—	500 g 75.—
	Orthoformic acid tribenzylester see 75535 Tribenzyl orthoformate			
	Orthophosphoric acid see 79620 Phosphoric acid			
	Orthotitanic acid tetrabutyl ester see 86910 Tetrabutyl orthotitanate monomer			
	Orthovaleric acid trimethylester see 75607 Trimethyl orthovalerate			
	"Osmic acid" see 75630 Osmium tetroxide			
75610	Osmium purum powder Os A _r 190.20 [7440-04-2]		1 g 85.—	
	Osmium(IV) ammonium chloride see 09750 Ammonium-hexachloroosmate(IV)			
75622	tri-Osmium dodecacarbonyl pract. Os ₃ (CO) ₁₂ C ₁₂ O ₁₂ Os ₃ M _r 906.72 [15696-40-6]		100 mg 90.—	
	Osmium(VIII) oxide see 75630 Osmium tetroxide			
	Osmium tetroxide [Osmium(VIII)-oxide; "Osmic acid"] 6.1/81i OsO ₄ O ₄ Os M _r 254.20 [20816-12-0]			
75630	puriss. >99.9%; Fixing agent; M.P. 40-42°; non-volatile parts <0.05%		250 mg 22.—	500 mg 34.— 1 g 50.—
75632	Osmium tetroxide Solution 4% for Electron microscopy OsO ₄ O ₄ Os M _r 254.20		1 lt ≈ 1.00 kg	5 ml 34.— 10 ml 65.—
75640	Ouabain purum [α] _D ²⁰ -30±2° (c = 1 in water) (G-Strophanthin) 6.1/81g C ₂₉ H ₄₄ O ₁₂ .8H ₂ O M _r 728.79 [630-60-4]		1 g 9.—	5 g 34.—
	Ovalbumin see 05440 Albumin egg			
	Oxalacetic acid 8/21 HOOCCH ₂ COCOOH C ₄ H ₄ O ₆ M _r 132.07 [328-42-7]			
75660	puriss. p.a. >99%(T); store in refrigerator		1 g 10.—	5 g 40.—
75662	purum ~97%(T); store in refrigerator		5 g 20.—	25 g 85.—
	Oxalacetic acid diethyl ester Sodium salt see 71810 Diethyl oxalacetate Sodium salt			
	Oxalhydrazide see 75740 Oxalyldihydrazide			
75690	Oxalic acid anhydrous purum >97%(T); M.P. 188-191° (Dicarboxylic acid C ₂) 8/21 HOOC-COOH C ₂ H ₂ O ₄ M _r 90.04 [144-62-7]		250 g 8.—	1 kg 22.— 5 kg 90.—
	Oxalic acid bis(cyclohexylidenehydrazide) see 14690 Bis-(cyclohexanone)-oxaldihydrazone			
	Oxalic acid diamide see 75770 Oxamide			
	Oxalic acid Dihydrate 8/21 HOOC-COOH.2H ₂ O C ₂ H ₂ O ₄ .2H ₂ O M _r 126.07 [6153-56-6]			
75700	puriss. p.a. cryst. M.P. 100-102° Fluka-Guarantee:		250 g 8.—	1 kg 25.—
	Assay	>99.0 %	Iron (Fe)	<0.0002 %
	Residue on ignition	<0.01 %	Calcium (Ca)	<0.005 %
	Insolubles in water	<0.01 %	Magnesium (Mg)	<0.002 %
	Chloride (Cl)	<0.0005 %	organic impurities: When heating 1 g	
	Sulfate (SO ₄)	<0.005 %	Oxalic acid with 10 ml H ₂ SO ₄	
	Total Nitrogen (N)	<0.001 %	(Conc.); the colour may be slightly	
	Heavy metals (as Pb)	<0.0005 %	yellow	
75702	purum >99%(T); M.P. 99-101°		1 kg 15.—	5 kg 63.—
	Oxalic acid Hemipotassium salt see 60592 Potassium tetraoxalate			
	Oxalic acid Potassium salt see 60425 Potassium oxalate			
71800	Oxalic acid Sodium salt puriss. p.a. (Sodium oxalate) 6.1/22 NaOOC-COONa C ₂ Na ₂ O ₄ M _r 134.00 [62-76-0]		100 g 8.—	500 g 26.—
	Fluka-Guarantee:			
	Assay (dried)	>99.9 %	Heavy metals (as Pb)	<0.001 %
	Loss on drying	<0.01 %	Iron (Fe)	<0.0005 %
	Insolubles in water	<0.005 %	Potassium (K)	<0.005 %
	Total Nitrogen (N)	<0.0002 %	Organic contamination: none	
	Chloride (Cl)	<0.001 %	detectable	
	Sulfate (SO ₄)	<0.002 %		



					sFr.	sFr.
	Oxalyl chloride					
75760	8/22 C1COCOC1 C ₂ Cl ₂ O ₂ M _r 126.93 [79-37-8] purum dest. >97%(Cl); B.P. 62-65°; d ₄ ²⁰ 1.485; n _D ²⁰ 1.431	1 lt ≈ 1.49 kg	25 ml 12. —	100 ml 40. —	500 ml 170. —	
75740	Oxalylidihydrazide purum >99%(N); M.P. 242-244° dec. (Oxalhydrazide) NH ₂ NHCOCONHNH ₂ C ₂ H ₆ N ₄ O ₂ M _r 118.10 [996-98-5]			25 g 22. —	100 g 80. —	
75790	Oxamic acid hydrazide purum >98%(N); M.P. ~220° ("Semioxamazide") NH ₂ COCONHNH ₂ C ₂ H ₅ N ₃ O ₂ M _r 103.08 [515-96-8]			25 g 20. —	100 g 70. —	
75770	Oxamide purum >99%(NT); M.P. >400° (Oxalic acid diamide) NH ₂ COCONH ₂ C ₂ H ₄ N ₂ O ₂ M _r 88.07 [471-46-5]			100 g 20. —	500 g 85. —	
	Oxepane see 52701 Hexamethylene oxide					
	Oxetane see 92459 Trimethylene oxide					
	2-Oxetanone see 81850 β-Propiolactone					
	Oxine see 55070 8-Quinolinol					
	2-Oxo-1-benzopyran-3-carboxylic acid see 28160 Coumarin-3-carboxylic acid					
	μ-Oxo-bis(tris(dimethylamino)phosphonium)bis(tetrafluoroborate) see 11855 Bates' Reagent					
	3-Oxobutyraldehyde dimethylacetal (Acetylacetaldehyde dimethylacetal; 4,4-Dimethoxy-2-butanone) 3/4; 61° CH ₃ COCH ₂ CH(OCH ₃) ₂ C ₆ H ₁₂ O ₃ M _r 132.16 [5436-21-5]					
75830	pract. ~90%(GC); B.P. 170-172°; d ₄ ²⁰ 0.994; n _D ²⁰ 1.414	1 lt ≈ 0.99 kg		100 ml 20. —	500 ml 85. —	
	2-Oxobutyric acid (Propionylformic acid) CH ₃ CH ₂ COCOOH C ₄ H ₆ O ₃ M _r 102.09 [600-18-0]					
75820	purum >98%(T); M.P. 30-33°; 1 g clearly soluble in 10 ml water; store in refrigerator		10 g 22. —	50 g 90. —	500 g 505. —	
75825	2-Oxobutyric acid Sodium salt puriss. >99%(NT) CH ₃ CH ₂ COCOONa C ₄ H ₅ NaO ₃ M _r 124.07 [2013-26-5]			5 g 15. —	25 g 63. —	
	2-Oxocaprylic acid see 75940 2-Oxo-octanoic acid					
	3-Oxo-4-cholestene see 26720 4-Cholestene-3-one					
	2-Oxoglutaric acid (α-Ketoglutaric acid) HOOCCH ₂ CH ₂ COCOOH C ₅ H ₆ O ₅ M _r 146.10 [328-50-7]					
75890	puriss. >99%(T); M.P. 114-116°; Ash <0.05%; 1 g clearly soluble in 10 ml Dioxan; store in refrigerator		25 g 8. —	100 g 25. —	500 g 105. —	
	3-Oxoglutaric acid see 00600 Acetonedicarboxylic acid					
75891	2-Oxoglutaric acid Calcium salt purum (α-Ketoglutaric acid Calcium salt) C ₅ H ₄ CaO ₅ ·H ₂ O M _r 202.18			5 g 15. —	25 g 63. —	
	2-Oxoglutaric acid monosodium salt (α-Ketoglutaric acid monosodium salt) HOOCCH ₂ CH ₂ COCOONa C ₅ H ₅ NaO ₅ M _r 168.08 [22202-68-2]					
75893	puriss. ~99%(NT)			10 g 12. —	50 g 50. —	
	2-Oxohexamethyleneimine see 75173 Oenanthalactam					
	1- and 2-Oxoindan see 56880 and 56881 1- and 2-Indanone					
	2-Oxoisocaproic acid see 68255 4-Methyl-2-oxopentanoic acid					
	Oxomalonic acid see 63980 Mesoxalic acid hydrate					
75940	2-Oxo-octanoic acid puriss. >99%(T); M.P. 31-32°; B.P. _{0.05} 82° (2-Oxocaprylic acid) CH ₃ (CH ₂) ₅ COCOOH C ₈ H ₁₄ O ₃ M _r 158.20 [328-51-8]			1 g 8. —	5 g 29. —	
	2-Oxopentanoic acid see 75950 2-Oxo-n-valeric acid					
	4-Oxopentanoic acid see 61380 Levulinic acid					
	2-Oxophenylpropionic acid see 78190 Phenylpyruvic acid					
	2-Oxopropionic acid see 15940 Pyruvic acid					
	4-Oxo-4H-pyran-2,6-dicarboxylic acid see 22500 Chelidonic acid Monohydrate					
	2-Oxo-H-pyran-5-carboxylic acid see 28130 Coumalic acid					
	9-Oxothioxanthene see 89110 Thioxanthone					

		sFr.	sFr.
	Oxotremorine (1-[4-(1-Pyrrolidiny)-2-butynyl]-2-pyrrolidinone) $\text{CH}_2\text{CH}_2\text{CH}_2\text{CONCH}_2\text{C}_1\text{CCH}_2\text{N}(\text{CH}_2)_3\text{CH}_2$ $\text{C}_{12}\text{H}_{18}\text{N}_2\text{O}$ M_r 206.29 [70-22-4] 75949 purum >98%(NT); B.P. _{0.1} 124°; d_4^{20} 1.060; n_D^{20} 1.517	250 mg 16. —	1 g 55. —
75950	2-Oxo-n-valeric acid (2-Oxopentanoic acid) $\text{CH}_3\text{CH}_2\text{CH}_2\text{COCOOH}$ $\text{C}_5\text{H}_8\text{O}_3$ M_r 116.12 [1821-02-9] puriss. ~99%(GC); M.P. 7-9°; B.P. ₁₂ 88-90°; d_4^{20} 1.109; n_D^{20} 1.433; store in refrigerator	1 lt ≈ 1.11 kg 5 ml 40. —	25 ml 165. —
	4-Oxo-n-valeric acid see 61380 Levulinic acid		
	2,2'-Oxydiacetic acid see 37070 Diglycolic acid		
75955	4,4'-Oxydibenzenesulfonic acid hydrazide pract. $\text{C}_{12}\text{H}_{14}\text{N}_4\text{O}_5\text{S}_2$ M_r 358.40 [80-51-3]	100 g 16. —	500 g 67. —
	2,2'-Oxydiethanethiol see 15001 2-Mercaptoethyl ether		
	2,2'-Oxydiethanol see 32160 Diethylene glycol		
75962	3,3'-Oxydipropionitrile [Bis(2-cyanoethyl) ether; 2,2'-Dicyanodiethyl ether] 6.1/21 $\text{O}(\text{CH}_2\text{CH}_2\text{CN})_2$ $\text{C}_6\text{H}_8\text{N}_2\text{O}$ M_r 124.14 [1656-48-0] purum >98%(GC); B.P. _{0.07} 130-132°; d_4^{20} 1.048; n_D^{20} 1.441	1 lt ≈ 1.05 kg 25 ml 21. —	100 ml 75. —
	Oxyneurine see 14290 Betaine anhydrous		
	N-Oxystrychnine see 85940 Strychnine-N-oxide		
75965	Oxytetracycline $\text{C}_{22}\text{H}_{24}\text{N}_2\text{O}_9 \cdot 2\text{H}_2\text{O}$ M_r 496.47 [79-57-2] purum Ph. Eur. >98%(NT); M.P. 182-184° dec.; $[\alpha]_{540}^{20} -228 \pm 3^\circ$ (c = 1 in 0.1n HCl)	25 g 12. —	100 g 40. —
75968	Oxytocin lyophilized; Peptide content 85%; Rest Acetic acid and water $\text{C}_{43}\text{H}_{86}\text{N}_{12}\text{O}_{12}\text{S}_2$ M_r 1007.23 [50-56-6]	25 mg 200. —	
	PABA see 06930 4-Aminobenzoic acid		
PAGE see "Electrophoresis" green section			
75970	Page Blue 83 [C.I. Nr. 42660] Standard Fluka [6104-59-2]	10 g 10. —	25 g 42. —
75975	Page Blue G 90 [C.I. Nr. 42665] Standard Fluka	10 g 10. —	25 g 42. —
75980	Palatinose (6-O-D-glucopyranosyl-D-fructose; Isomaltulose) $\text{QCH}(\text{CH}_2\text{OH})(\text{CHOH})_3\text{CHOCH}_2\text{CHOCOH}(\text{CH}_2\text{OH})\text{CHOHCHOH}$ $\text{C}_{12}\text{H}_{22}\text{O}_{11}$ M_r 342.30 [13718-94-0] purum M.P. 123-125°; $[\alpha]_{540}^{20} +114 \pm 3^\circ$ (c = 1 in water)	1 g 12. —	5 g 50. —
76100	Palladium Black puriss. Pd A_r 106.40	1 g 38. —	5 g 160. —
75981	Palladium Metal puriss. >99.9%; 60 mesh Pd A_r 106.40 [7440-05-3]	1 g 30. —	5 g 125. —
76090	Palladium Sponge puriss. Pd A_r 106.40	1 g 40. —	5 g 170. —
75982	Palladium (Coating quality BALZERS) 99.95%; Wire thickness 1 mm	1 g 50. —	10 g 360. —
	Palladium on activated Alumina Hydrogenation catalyst		
76000	puriss. 10% Pd	10 g 45. —	50 g 190. —
76002	puriss. 5% Pd	10 g 25. —	50 g 90. —
	Palladium on Asbestos Hydrogenation catalyst		
76010	puriss. 50% Pd	1 g 25. —	5 g 105. —
76012	puriss. 10% Pd	10 g 55. —	50 g 230. —
76013	puriss. 5% Pd	10 g 40. —	50 g 170. —
	Palladium on Barium sulfate Hydrogenation catalyst		
76020	puriss. 10% Pd	10 g 45. —	50 g 190. —
76022	puriss. 5% Pd	10 g 30. —	50 g 125. —
	Palladium on Calcium carbonate Hydrogenation catalyst		
76030	puriss. 10% Pd	10 g 50. —	50 g 210. —
76032	puriss. 5% Pd	10 g 35. —	50 g 145. —

P

				sFr.	sFr.
	Palladium on activated Charcoal Hydrogenation catalyst				
75990	4.2/6d	puriss. 10% Pd		10 g 40. —	50 g 145. —
75992		puriss. 5% Pd		10 g 25. —	50 g 90. —
	Palladium(II) acetate (CH ₃ COO) ₂ Pd C ₈ H ₆ O ₄ Pd M _r 224.49 [3375-31-3]				
76044		purum 47% Pd; Review: B. M. Trost, Tetrahedron 33, 2615 (1977)	1 g 30. —	5 g 125. —	10 g 225. —
76045	Palladium(II) acetylacetonate purum 34% Pd C ₁₀ H ₁₄ O ₄ Pd M _r 304.62 [14024-61-4]			1 g 30. —	
	Palladium(II)-ammonium chloride see 09990 Ammonium tetrachloropalladate(II)				
	Palladium(IV)-ammonium chloride see 09760 Ammonium hexachloropalladate(IV)				
	Palladium(II) chloride anhydrous 8/12 PdCl ₂ Cl ₂ Pd M _r 177.31 [7647-10-1]				
76050		purum 60% Pd; Review: B. M. Trost, Tetrahedron 33, 2615 (1977)	1 g 15. —	5 g 63. —	25 g 265. —
76060	Palladium(II) cyanide puriss. 67.2% Pd 6.1/31a Pd(CN) ₂ C ₂ N ₂ Pd M _r 158.14 [2035-66-7]			1 g 45. —	5 g 190. —
76065	Palladium iodide purum ~30% Pd PdI ₂ I ₂ Pd M _r 360.20 [7790-38-7]			1 g 15. —	5 g 63. —
76070	Palladium(II) nitrate Dihydrate purum >98%(T); 40% Pd Pd(NO ₃) ₂ ·2H ₂ O N ₂ O ₆ Pd·2H ₂ O M _r 266.44 [10102-05-3]			1 g 22. —	5 g 90. —
76080	Palladium(II) oxide puriss. Hydrogenation catalyst; ~78% Pd PdO OPd M _r 122.40 [1314-08-5]			1 g 28. —	5 g 120. —
	Palmitic acid (Carboxylic acid C ₁₆ ; Hexadecanoic acid) CH ₃ (CH ₂) ₁₄ COOH C ₁₆ H ₃₂ O ₂ M _r 256.43 [57-10-3]				
76119		puriss. Standard for GC; >99%(GC); M.P. 62.5-63°		5 g 21. —	
76120		puriss. ~99%(GC); M.P. 62-63°		50 g 20. —	250 g 85. —
76122		pract. >95%(GC); M.P. 61-63°		1 kg 16. —	5 kg 67. —
	L-α-Palmitin [(R)-Glycerol 1-palmitate; 3-Palmitoyl-sn-glycerol] HOCH ₂ CH(OH)CH ₂ OCO(CH ₂) ₁₄ CH ₃ C ₁₉ H ₃₈ O ₄ M _r 330.51 [32899-41-5]				
76184		puriss. >99%(GC; after transesterification); M.P. 71-73°; [α] _D ²⁰ -0.3° (c = 10 in CHCl ₃ /C ₂ H ₅ OH 9:1)		250 mg 35. —	1 g 130. —
	DL-α-Palmitin (rac-Glycerol 1-palmitate; rac-1-Palmitoylglycerol) HOCH ₂ CH(OH)CH ₂ OCO(CH ₂) ₁₄ CH ₃ C ₁₉ H ₃₈ O ₄ M _r 330.51 [19670-51-0]				
76185		puriss. CHR; ~99%(GC; after transesterification); M.P. 74-76°		250 mg 29. —	1 g 105. —
	Palmitoleic acid (cis-9-Hexadecenoic acid) CH ₃ (CH ₂) ₅ CH:CH(CH ₂) ₇ COOH C ₁₆ H ₃₀ O ₂ M _r 254.42 [2091-29-4]				
76169		puriss. Standard for GC; >99%(GC); d ₄ ²⁰ 0.895; n _D ²⁰ 1.459; store in refrigerator		1 g 120. —	
76171		pract. 90-95%(GC); d ₄ ²⁰ 0.895; n _D ²⁰ 1.458; store in refrigerator		1 g 85. —	
	6-O-Palmitoyl-L-ascorbic acid ("Ascorbylpalmitate") CH ₃ (CH ₂) ₁₄ COOCH ₂ CH(OH)CHC(OH):C(OH)COO C ₂₂ H ₃₈ O ₇ M _r 414.54 [137-66-6]				
76183		purum M.P. 113-114°; [α] _D ²⁰ +26±1°; [α] _D ²⁰ +23±1° (c = 1 in Ethanol)		25 g 7. —	100 g 20. —
	Palmitoyl chloride (Hexadecanoyl chloride) 8/22 CH ₃ (CH ₂) ₁₄ COCl C ₁₆ H ₃₁ ClO M _r 274.88 [112-67-8]				
76150		puriss. redest. ~99%(GC); M.P. 11-13°; B.P. _{0.2} 158-160°; d ₄ ²⁰ 0.905; n _D ²⁰ 1.452	1 lt ≈ 0.91 kg	25 ml 14. —	100 ml 50. —
76152		purum >97%(GC); M.P. 9-14°; d ₄ ²⁰ 0.905; n _D ²⁰ 1.452	1 lt ≈ 0.91 kg	250 ml 16. —	1 lt 55. —
	3-Palmitoyl-sn-glycerol see 76184 L-α-Palmitin				
	rac-1-Palmitoylglycerol see 76185 DL-α-Palmitin				
	rac-1-Palmitoylglycerol-3-phosphorylcholine see 76186 DL-γ-Palmitoyl-α-lysophosphatidylcholine				
76180	DL-γ-Palmitoyl-α-lysophosphatidylcholine purum C ₂₁ H ₄₄ NO ₇ P M _r 453.56 [19805-23-3]			100 mg 75. —	
76181	DL-γ-Palmitoyl-β-lysophosphatidylcholine puriss. C ₂₁ H ₄₄ NO ₇ P M _r 453.56 [19805-23-3]			100 mg 75. —	
76182	DL-γ-Palmitoyl-N,N-dimethyl-α-lysophosphatidylcholine puriss. C ₂₃ H ₄₈ NO ₇ P M _r 481.62			100 mg 75. —	

		sFr.	sFr.
	DL-γ-Palmitoyl-α-lysolecithin (rac-1-Palmitoylglycero-3-phosphorylcholine) $C_{24}H_{50}NO_4P$ M_r 495.64 [17364-18-0] purum M.P. $\sim 255^\circ$ dec.	250 mg 110. —	1 g 400. —
76186			
	PAM see 69050 1-Methylpyridinium-2-carboxaldehydeiodide		
	Pamoic acid see 45150 Emboic acid		
	PAN see 82960 1-(2-Pyridylazo)-2-naphthol		
	Pancreatin see also 10080 α-Amylase pancreatic		
	Pancreatin		
76190	soluble purum $4 \times$ N.F.; Lipase 24600 F/P U/mg; Amylase 23100 F/P U/mg; Protease 1130 F/P U/mg; Fat content 1.3-1.4%; Sulfate-ash 6-12%; store in refrigerator	100 g 13. —	500 g 55. —
	D-Panthenol (D-Pantothenyl alcohol) $HOCH_2C(CH_3)_2CH(OH)CONH(CH_2)_3OH$ $C_9H_{19}NO_4$ M_r 205.26 [81-13-0] purum d_4^{20} 1.20; n_D^{20} 1.449; $[\alpha]_{546}^{20} + 35.5 \pm 1^\circ$; $[\alpha]_D^{20} + 30 \pm 1^\circ$ (c = 5 in water); store in refrigerator	1 lt $\approx$ 1.20 kg	25 ml 10. — 100 ml 35. —
76200			
	"D- and DL-Pantolactone" see 55200 and 55201 D and DL(-)-2-Hydroxy-3,3-dimethyl-γ-butyrolactone		
	D-Pantothenic acid ("Vitamin B ₅ ") $HOCH_2C(CH_3)_2CH(OH)CONHCH_2CH_2COOH$ $C_9H_{17}NO_5$ M_r 219.24 [79-83-4] purum 10% in water; d_4^{20} 1.022; n_D^{20} 1.348; $[\alpha]_{546}^{20} + 30 \pm 2^\circ$; $[\alpha]_D^{20} + 26 \pm 1^\circ$ (c = 10 in water); store in refrigerator	1 lt $\approx$ 1.02 kg	25 ml 9. — 100 ml 30. —
76210			
	D-Pantothenic acid Calcium salt (Calcium D-pantothenate) $(C_9H_{16}NO_5)_2Ca$ $C_{18}H_{32}CaN_2O_{10}$ M_r 476.54 [137-08-6] purum M.P. 198-201°; $[\alpha]_{546}^{20} + 32 \pm 2^\circ$; $[\alpha]_D^{20} + 27 \pm 2^\circ$ (c = 5 in water)	25 g 8. —	100 g 22. —
21210			
	D-Pantothenyl alcohol see 76200 D-Panthenol		
	Papain (EC 3.4.22.2) [9001-73-4] puriss. 60 000 U/g (according to $5 \times 1:350$); Ash 8-9% purum 1:350; 1 part of papain macerates the 350 fold of its weight on hen's egg white; N.F.; Ash $\sim 1\%$	25 g 10. — 100 g 13. —	100 g 35. — 500 g 55. —
76220 76222			
	PAQH see 82732 Pyridine-2-carboxaldehyde 2-quinolyldiazine		
	PAR see 82970 4-(2-Pyridylazo)resorcinol		
	Paracetaldehyde see 76260 Paraldehyde		
	Paraffin wax		
76228	purum white; bloc form; C.P. 42-44°	1 kg 10. —	
76229	purum white; bloc form; C.P. 50-52°; DAB	1 kg 10. —	
76230	purum white; bloc form; C.P. 54-56°; DAB	1 kg 10. —	
76231	purum white; bloc form; C.P. 58-60°; DAB	1 kg 10. —	
76232	purum white; bloc form; C.P. 68-74°; DAB	1 kg 10. —	
	Paraffin liquid		
76233	low viscosity; Ph. Helv.	1 lt $\approx$ 0.84 kg	1 lt 10. —
76234	High viscosity; Ph. Helv.	1 lt $\approx$ 0.88 kg	1 lt 10. —
	Paraffin oil for IR-Spectroscopy		
76235	d_4^{20} 0.88; n_D^{20} 1.480 (with Fluka-Guarantee)	1 lt $\approx$ 0.88 kg	100 ml 7. — 500 ml 24. —
76240	Paraformaldehyde purum M.P. 132-136°; $H_2O < 1\%$ (Polyoxymethylene) 4.1/11; 70° $(CH_2O)_n$ M_r (30.03) _n [305-25-89-4]	1 kg 12. —	5 kg 50. —
	Parafuchsin hydrochloride [C.I. Nr. 42500; Sch. Nr. 779] (Paramagenta hydrochloride; Pararosaniline hydrochloride) $4-NH_2C_6H_4C(C_6H_4-4-NH_2):C_6H_4-4-NH_2(Cl)$ $C_{18}H_{18}ClN_3$ M_r 323.83 [569-61-9] Standard Fluka for Microscopy (Bact., Bot., Hist.)	5 g 20. —	25 g 85. —
76250			
	Paraldehyde (Paracetaldehyde) 3/3; 24° $CH(CH_3)OCH(CH_3)OCH(CH_3)O$ $C_6H_{12}O_3$ M_r 132.16 [123-63-7] purum $> 97\%$ (GC); B.P. 123-124°; d_4^{20} 0.994; n_D^{20} 1.405	1 lt $\approx$ 0.99 kg	250 ml 7. — 1 lt 18. —
76260			
	Pararosaniline hydrochloride see 76250 Parafuchsin hydrochloride		

			sFr.	sFr.
76270	Patent Blue V [C.I. Nr. 42051; Sch. Nr. 826] Standard Fluka (Disulfine Blue; Acid Blue V) $C_{34}H_{32}CaN_4O_{14}S_4$ M_r 1159.45 [129-17-9]		25 g 13. —	100 g 45. —
	PBBO see 14448 2-(4-Biphenyl)-6-phenylbenzoxazole			
	PCC see 82807 Pyridinium chlorochromate			
	PCMB see 55540 Sodium 4-(hydroxymercuri)benzoate			
	PDT disulfonate see 82950 3-(2-Pyridyl)-5,6-diphenyl-1,2,4-triazine-4',4''-disulfonic acid Disodium salt			
76300	Pectic acid purum ex Apples; Ash 2-4% (Poly-D-galacturonic acid) $(C_6H_8O_6)_n$ M_r (176.13) _n		100 g 20. —	500 g 85. —
	Pectin (Poly-D-galacturonic acid methyl ester) $(C_7H_{10}O_6)_{130-260}$ $M_r \sim 25\,000-50\,000$ [9000-69-5]			
76280	purum ex Citrus; Ash <2%		100 g 13. —	500 g 55. —
76282	purum ex Apples; Ash $\sim 2-4\%$		100 g 16. —	500 g 67. —
76290	Pectinase (EC 3.2.1.15) purum standardized; Ash 10-20%; store in refrigerator		25 g 10. —	100 g 35. —
	Pelargonaldehyde (Aldehyde C_9 ; Nonanal) 3/4; 77° $CH_3(CH_2)_7CHO$ $C_9H_{18}O$ M_r 142.24 [124-19-6]			
76310	purum $\sim 97\%$ (GC); B.P. $_{12}79-81^\circ$; d_4^{20} 0.823; n_D^{20} 1.425; store in refrigerator	1 lt ≈ 0.82 kg	25 ml 9. —	100 ml 30. —
	Pelargone see 42420 9-Heptadecanone			
	Pelargonic acid (Carboxylic acid C_9 ; Nonanoic acid) $CH_3(CH_2)_7COOH$ $C_9H_{18}O_2$ M_r 158.24 [112-05-0]			
76343	techn. $\sim 90\%$ (GC); M.P. $7-10^\circ$; d_4^{20} 0.904; n_D^{20} 1.433	1 lt ≈ 0.90 kg	1 lt 20. —	5 lt 85. —
	Pelargonic acid vanillylamide ("Capsaicin synthetic"; "Nonylvanylamide") $CH_3(CH_2)_7CONHCH_2C_6H_3(OH)OCH_3$ $C_{17}H_{27}NO_3$ M_r 293.41 [2444-46-4]			
76390	purum		10 g 22. —	50 g 90. —
76320	Pelargonidine chloride purum water 4-6% (3,4',5,7-Tetrahydroxyflavylium chloride) $5,7-(HO)_2C_6H_2O(Cl):C(C_6H_4-4-OH)C(OH):CH$ $C_{15}H_{11}ClO_5$ M_r 306.70 [134-04-3]		10 mg 40. —	100 mg 320. —
	Pelargononitrile (Nitrile C_9 ; Octyl cyanide) 6.1/21; 82° $CH_3(CH_2)_7CN$ $C_9H_{17}N$ M_r 139.24 [2243-27-8]			
76380	purum $\sim 97\%$ (GC); B.P. 224° (Lit.); d_4^{20} 0.816; n_D^{20} 1.426; halogen free	1 lt ≈ 0.82 kg	25 ml 17. —	100 ml 60. —
	Pelargonoyl chloride (Nonanoyl chloride) 8/22 $CH_3(CH_2)_7COCl$ $C_9H_{17}ClO$ M_r 176.69 [764-85-2]			
76360	purum $>97\%$ (GC); B.P. $_{11}87^\circ$; d_4^{20} 0.940; n_D^{20} 1.438	1 lt ≈ 0.94 kg	100 ml 15. —	500 ml 63. —
	L-Penicillamine (3,3-Dimethyl-L-cysteine; 3-Mercapto-L-valine) $(CH_3)_2C(SH)CH(NH_2)COOH$ $C_5H_{11}NO_2S$ M_r 149.21 [1113-41-3]			
76398	purum $>98\%$ (T); M.P. $\sim 200^\circ$ dec.; $[\alpha]_{540}^{20} + 76 \pm 2^\circ$; $[\alpha]_D^{20} + 63 \pm 2^\circ$ (c = 1 in 1n NaOH)		1 g 14. —	5 g 60. —
	D-Penicillamine (3,3-Dimethyl-D-cysteine; 3-Mercapto-D-valine) $(CH_3)_2C(SH)CH(NH_2)COOH$ $C_5H_{11}NO_2S$ M_r 149.21 [52-67-5]			
76400	puriss. $>99\%$ (NT); M.P. $214-217^\circ$ dec.; $[\alpha]_{540}^{20} - 77 \pm 2^\circ$; $[\alpha]_D^{20} - 63 \pm 2^\circ$ (c = 1 in 1n NaOH); Ash $<0.05\%$		5 g 29. —	25 g 120. —
76410	DL-Penicillamine puriss. $>99\%$ (NT); M.P. $202-204^\circ$ dec. $(CH_3)_2C(SH)CH(NH_2)COOH$ $C_5H_{11}NO_2S$ M_r 149.21 [52-66-4]		5 g 8. —	25 g 26. —
	L-Penicillamine Acetone adduct hydrochloride (N,S-Isopropylidene-L-penicillamine hydrochloride) $C_8H_{16}ClNO_2S$ M_r 225.74			
76415	purum $\sim 98\%$ (Cl); M.P. $199-200^\circ$; $[\alpha]_{540}^{20} - 106 \pm 3^\circ$; $[\alpha]_D^{20} - 90 \pm 3^\circ$ (c = 1 in Ethanol)		1 g 14. —	5 g 60. —
76417	D-Penicillamine Acetone adduct hydrochloride purum $>99\%$ (Cl); M.P. $\sim 195^\circ$ $C_8H_{16}ClNO_2S$ M_r 225.74 [17266-78-3]		5 g 24. —	25 g 120. —
	DL-Penicillamine Acetone adduct hydrochloride (N,S-Isopropylidene-DL-penicillamine hydrochloride) $C_8H_{16}ClNO_2S$ M_r 225.74 [33078-43-2]			
76420	purum $>98\%$ (Cl); M.P. $\sim 220^\circ$ dec.		5 g 8. —	25 g 26. —

				sFr.	sFr.
	D-Penicillamine disulfide [S,S'-Bi(D-penicillamine)] [SC(CH ₃) ₂ CH(NH ₂)COOH] ₂ .H ₂ O C ₁₀ H ₂₀ N ₂ O ₄ S ₂ .H ₂ O M _r 314.43 [20902-45-8]				
76422	purum M.P. 203-204° dec.; [α] _D ²⁰ -90±1°; [α] _D ²⁰ -75±1°			1 g 20. —	5 g 85. —
	D-Penicillamine-methyl ester hydrochloride (CH ₃) ₂ C(SH)CH(NH ₂)COOCH ₃ .HCl C ₆ H ₁₃ NO ₂ S.HCl M _r 199.70 [34297-27-3]				
76425	purum >99%(T); M.P. 180-182° dec.; [α] _D ²⁰ -14.5±0.5°; [α] _D ²⁰ -12.0±0.5° (c = 5 in water)			5 g 29. —	25 g 120. —
	1,2,3,4,6-Penta-O-acetyl-β-D-galactopyranose see 48270 β-D-Galactose pentaacetate				
	1,2,3,4,6-Penta-O-acetyl-α-D-glucopyranose see 49200 α-D-Glucose pentaacetate				
	1,2,3,4,6-Penta-O-acetyl-β-D-glucopyranose see 49210 β-D-Glucose pentaacetate				
	1,2,3,4,6-Pentaacetyl-1-thio-β-D-glucopyranose see 49300 β-D-Glucothiose pentaacetate				
	Pentabromophenyl ether see 30452 Decabromodiphenyl ether				
76440	Pentacene purum M.P. >300°; oxydizes easily C ₂₂ H ₁₄ M _r 278.36 [135-48-8]			250 mg 50. —	1 g 175. —
76452	Pentachlorobenzene purum >98%(Cl); M.P. 83-85° 6.1/81g C ₆ HCl ₅ M _r 250.34 [608-93-5]			50 g 20. —	250 g 85. —
76455	Pentachlorobenzonitrile purum >98%(Cl); M.P. 213-215° 6.1/21 C ₆ Cl ₅ CN C ₇ Cl ₅ N M _r 275.35 [20925-85-3]			25 g 23. —	100 g 85. —
76450	Pentachloroethane pract. ~95%(GC); B.P. 160-163°; d ₄ ²⁰ 1.678; n _D ²⁰ 1.502 6.1/61 CCl ₃ CHCl ₂ C ₂ HCl ₅ M _r 202.30 [76-01-7]			1 lt ≈ 1.68 kg 250 ml 17. —	1 lt 60. —
	Pentachlorophenol 6.1/82b1 Cl ₅ C ₆ OH C ₆ HCl ₅ O M _r 266.34 [87-86-5]				
76470	puriss. >99%(T); M.P. 187-189°			100 g 20. —	500 g 85. —
76472	pract. ~97%(T); M.P. 165-180° ("Dowicide® 7") ® Registered trade-mark of The Dow Chemical Co., USA			500 g 11. —	1 kg 20. —
76480	Pentachlorophenol Sodium salt pract. ("Dowicide® G") Cl ₅ C ₆ ONa C ₆ Cl ₅ NaO M _r 288.32 [131-52-2] ® Registered trade-mark of the Dow Chemical Co., USA			1 kg 22. —	2.5 kg 50. —
76481	Pentachloropyridine purum >98%(Cl); M.P. 122-124° 6.1/21 N:CCICCl:CCICCl:CCl C ₅ Cl ₅ N M _r 251.33 [2176-62-7]			25 g 16. —	100 g 55. —
76495	Pentacosane purum >98%(GC); M.P. 52-54° CH ₃ (CH ₂) ₂₃ CH ₃ C ₂₅ H ₅₂ M _r 352.69 [629-99-2]			1 g 35. —	5 g 145. —
	Pentadecafluorooctanoic acid (Perfluorocaprylic acid; Perfluorooctanoic acid) 8/21 CF ₃ (CF ₂) ₆ COOH C ₈ HF ₁₅ O ₂ M _r 414.07 [335-67-1]				
77260	pract. ~96%(T); M.P. 55-58°			10 g 18. —	50 g 75. —
	Pentadecane (Alkane C ₁₅) CH ₃ (CH ₂) ₁₃ CH ₃ C ₁₅ H ₃₂ M _r 212.42 [629-62-9]				
76509	puriss. Standard for GC; >99.5%(GC); M.P. 8.5-10°; B.P. 268-270°; d ₄ ²⁰ 0.769; n _D ²⁰ 1.431			1 lt ≈ 0.77 kg 5 ml 21. —	25 ml 90. —
76510	purum >99%(GC); M.P. 8-11°; B.P. 269-270°; d ₄ ²⁰ 0.768; n _D ²⁰ 1.433			1 lt ≈ 0.77 kg 25 ml 10. —	100 ml 35. —
	1-Pentadecanol (Alcohol C ₁₅ ; Pentadecyl alcohol) CH ₃ (CH ₂) ₁₄ OH C ₁₅ H ₃₂ O M _r 228.42 [629-76-5]				
76520	purum >97%(GC); M.P. 40-44°; B.P. 269-271°			5 g 12. —	25 g 50. —
76540	Pentadecanoic acid puriss. >99%(GC); M.P. 52-54° (Carboxylic acid C ₁₅) CH ₃ (CH ₂) ₁₃ COOH C ₁₅ H ₃₀ O ₂ M _r 242.40 [1002-84-2]			10 g 20. —	50 g 85. —
37140	8-Pentadecanone purum >98%(GC); M.P. 39-41° (Caprylone; Diheptylketone) CH ₃ (CH ₂) ₆ CO(CH ₂) ₆ CH ₃ C ₁₅ H ₃₀ O M _r 226.40 [818-23-5]			25 g 17. —	100 g 60. —
	Pentadecyl alcohol see 76520 1-Pentadecanol				
76590	Pentadecylamine purum >98%(NT); M.P. 35-37° (Amine C ₁₅ ; 1-Aminopentadecane) CH ₃ (CH ₂) ₁₄ NH ₂ C ₁₅ H ₃₃ N M _r 227.44 [2570-26-5]			5 g 21. —	25 g 90. —
	Pentadecyl bromide see 17890 1-Bromopentadecane				
	Pentadeuterobromobenzene see 76591 Bromobenzene-d ₅				

			sFr.	sFr.
	Pentadeutero glycine see 76595 Glycine-d ₅			
	Pentadeuteronitrobenzene see 76598 Nitrobenzene-d ₅			
	Pentadeuteropyridine see 76602 Pyridine-d ₅			
76606	1,2-Pentadiene purum >99%(GC); B.P. 45° (Lit.); d ₄ ²⁰ 0.694; n _D ²⁰ 1.421 3/1a; -15° CH ₃ CH ₂ CH:C:CH ₂ C ₅ H ₈ M _r 68.12 [591-95-7]	1 lt ≈ 0.69 kg	1 ml 20. —	5 ml 85. —
76610	cis-1,3-Pentadiene (cis-Piperylene) 3/1a; -15° CH ₃ CH:CHCH:CH ₂ C ₅ H ₈ M _r 68.12 [1574-41-0] purum >98%(GC); B.P. 42-44°; d ₄ ²⁰ 0.692; n _D ²⁰ 1.436	1 lt ≈ 0.69 kg	5 ml 32. —	25 ml 135. —
76620	trans-1,3-Pentadiene (trans-Piperylene) 3/1a; -15° CH ₃ CH:CHCH:CH ₂ C ₅ H ₈ M _r 68.12 [2004-70-8] purum >97%(GC); B.P. 41-43°; d ₄ ²⁰ 0.676; n _D ²⁰ 1.430	1 lt ≈ 0.68 kg	5 ml 15. —	25 ml 63. —
76625	1,4-Pentadiene CH ₂ :CHCH ₂ CH:CH C ₅ H ₈ M _r 68.12 [591-93-5] puriss. >99.5%(GC); B.P. 25-26°; d ₄ ²⁰ 0.665; n _D ²⁰ 1.389	1 lt ≈ 0.67 kg	5 ml 34. —	25 ml 145. —
	cis,trans-2,4-Pentadienenitrile see 28380 cis,trans-1-Cyano-1,3-butadiene			
	2,4-Pentadienoic acid see 18886 1,3-Butadiene-1-carboxylic acid			
	2,4-Pentadienoic acid methylester see 18888 Methyl 1,3-butadiene-1-carboxylate			
76640	Pentaerythritol [2,2-Bis-(hydroxymethyl)-1,3-propanediol] C(CH ₂ OH) ₄ C ₅ H ₁₂ O ₄ M _r 136.15 [115-77-5] purum M.P. 255-258°; 1 g clearly and colourless soluble in 10 ml water		250 g 7. —	1 kg 20. —
	Pentaerythritoldichlorohydrine see 14655 2,2-Bis(chloromethyl)-1,3-propanediol			
76650	Pentaerythritol tetrabromide [Tetrakis(bromomethyl)methane] C(CH ₂ Br) ₄ C ₅ H ₈ Br ₄ M _r 387.76 [3229-00-3] purum >98%(Br); M.P. 158-160°		10 g 18. —	50 g 75. —
76670	2,3,4,5,6-Pentafluoroaniline purum >98%(GC); M.P. 33-35°; B.P. 156-157° (Lit.) 6.1/21g C ₆ F ₅ NH ₂ C ₆ H ₂ F ₅ N M _r 183.08 [771-60-8]		5 g 20. —	25 g 85. —
76690	2,3,4,5,6-Pentafluorobenzaldehyde purum >98%(GC); M.P. 22-25°; B.P. 170-173° 6.1/81g C ₆ F ₅ CHO C ₇ H ₂ F ₅ O M _r 196.08 [653-37-2]		5 g 29. —	
76710	Pentafluorobenzene purum >99%(GC); d ₄ ²⁰ 1.524; n _D ²⁰ 1.391 6.1/12 C ₆ HF ₅ M _r 168.07 [363-72-4]	1 lt ≈ 1.52 kg	5 ml 29. —	
76770	2,3,4,5,6-Pentafluorobenzenethiol (Pentafluorothiophenol) 6.1/81a C ₆ F ₅ SH C ₆ H ₂ F ₅ S M _r 200.13 [771-62-0] purum >99%(GC)	1 lt ≈ 1.59 kg	1 ml 20. —	5 ml 85. —
76700	2,3,4,5,6-Pentafluorobenzoic acid 6.1/81g C ₆ F ₅ COOH C ₇ H ₂ F ₅ O ₂ M _r 212.08 [602-94-8] purum >98%(T); M.P. 101-103°; may also contain traces of Pentafluorobenzamide		5 g 26. —	
76730	2,3,4,5,6-Pentafluorobenzonitrile purum >98%(GC); B.P. 162-164°; d ₄ ²⁰ 1.565; n _D ²⁰ 1.442 6.1/21 C ₆ F ₅ CN C ₇ F ₅ N M _r 193.08 [773-82-0]		5 g 13. —	
76732	2,3,4,5,6-Pentafluorobenzoyl chloride (Pentafluorobenzoic acid chloride; Perfluorobenzoyl chloride) C ₆ F ₅ COCl C ₇ ClF ₅ O M _r 230.52 [2251-50-5] puriss. B.P. 158-159° (Lit.); d ₄ ²⁰ 1.669; n _D ²⁰ 1.453; store in refrigerator; Sensitive derivatizing reagent for the analysis of amines, amides and phenols by electron capture gas chromatography: K. Blau, G. S. King in "Handbook of Derivatives for Chromatography", K. Blau, G. S. King ed., Heyden & Son, 132 (1977)	1 lt ≈ 1.67 kg	1 ml 12. —	5 ml 50. —
76733	puriss.; store in refrigerator		Set with 10 × 1 ml	105. —
	2,3,4,5,6-Pentafluorobenzyl bromide see 17910 α-Bromo-2,3,4,5,6-pentafluorotoluene			
76735	O-(2,3,4,5,6-Pentafluorobenzyl)hydroxylamine hydrochloride C ₆ F ₅ CH ₂ ONH ₂ ·HCl C ₇ H ₄ F ₅ NO·HCl M _r 249.57 [57981-02-9] puriss. p.a. >99%(Cl); A sensitive derivatizing agent for electron capture gas chromatographic analysis of oxo-steroids; J. Chromatogr. Sci. 13, 97 (1975); J. Chromatography 114, 81 (1975); CEN 54 (41) 20 (1976)		250 mg 17. —	1 g 50. —

				sFr.	sFr.
76740	2,3,4,5,6-Pentafluorophenol purum >99%(GC); M.P. 25-30° 6.1/81g C ₆ F ₅ OH C ₆ H ₅ F ₅ O M _r 184.07 [771-61-9]			5 g 26. —	25 g 110. —
	Pentafluorophenyl-dimethylchlorosilane (Flophemesyl chloride; Chlorodimethyl-pentafluorophenylsilane) C ₆ F ₅ Si(Cl)(CH ₃) ₂ C ₆ H ₅ ClF ₅ Si M _r 260.67 [20082-71-7]				
76750	purum >97%(GC); B.P. 88-90°; d ₄ ²⁰ 1.403; n _D ²⁰ 1.448; Extremely sensitive derivatizing agent for the analysis of sterols and lower aliphatic alcohols by electron capture gas chromatography: C. F. Poole in "Handbook of Derivatives for Chromatography", K. Blau, G. S. King ed., Heyden & Son, 187 (1977); P. M. Burkinshaw et al., J. Chromatogr. 132, 548 (1977)		1 lt ≈ 1.40 kg	5 ml 67. —	
	Pentafluorophenyl isothiocyanate 6.1/21 SCNC ₆ F ₅ C ₇ F ₅ NS M _r 225.14 [35923-79-6]				
76755	purum >97%(GC); B.P. 38-39°; d ₄ ²⁰ 1.595; n _D ²⁰ 1.532		1 lt ≈ 1.60 kg	1 ml 35. —	5 ml 145. —
	Pentafluoropropionic acid (Perfluoropropionic acid) 8/21 CF ₃ CF ₂ COOH C ₃ H ₅ F ₅ O ₂ M _r 164.03 [422-64-0]				
77290	purum >98%(T); d ₄ ²⁰ 1.575		1 lt ≈ 1.57 kg	10 ml 20. —	50 ml 85. —
76756	Pentafluoropyridine purum >98%(GC); B.P. 83-85°; d ₄ ²⁰ 1.609; n _D ²⁰ 1.387 3/3; 25° N:CFCF:CFCF:CF C ₅ F ₅ N M _r 169.06 [700-16-3]		1 lt ≈ 1.61 kg	1 ml 14. —	5 ml 60. —
	Pentafluorothiophenol see 76770 2,3,4,5,6-Pentafluorobenzenethiol				
76790	Pentaglycine puriss. CHR; ~99%(N) (Glycyl-glycyl-glycyl-glycyl-glycine) NH ₂ CH ₂ CO(NHCH ₂ CO) ₃ NHCH ₂ COOH C ₁₀ H ₁₇ N ₅ O ₆ M _r 303.28 [7093-67-6]		100 mg 20. —		1 g 160. —
	cis- and trans-3,3',4',5,7-Pentahydroxyflavan see 45300 and 22100 (—)-Epicatechin and (+)-Catechin				
	3,3',4',5,7-Pentahydroxyflavanone see 37380 (+)-Dihydroquercetin				
	2',3,4',5,7-Pentahydroxyflavone see 69870 Morin Fluka				
	3,3',4',5,7-Pentahydroxyflavone see 83370 Quercetin Dihydrate				
	Pentamethonium iodide (Pentane-1,5-bis-trimethylammonium iodide) (CH ₃) ₃ N(I)(CH ₂) ₅ N(I)(CH ₃) ₃ C ₁₁ H ₂₈ I ₂ N ₂ M _r 442.17 [5282-80-4]				
76810	purum M.P. 308-310°			10 g 30. —	
76820	Pentamethylbenzene purum >99%(GC); M.P. 51-53°; B.P. 232° (Lit.) C ₆ H(CH ₃) ₅ C ₁₁ H ₁₆ M _r 148.25 [700-12-9]		250 g 18. —		1 kg 65. —
	Pentamethyl-1,3-cyclopentadiene C ₁₀ H ₁₆ M _r 136.24 [4045-44-7]				
76825	purum; Modified cyclopentadiene ligand in organometallic chemistry: J. P. Manriquez, P. J. Fagan, T. J. Marks, J. Am. Chem. Soc. 100, 3939 (1978); J. P. Manriquez, P. J. Fagan, C. S. Day, V. W. Day, T. J. Marks, J. Am. Chem. Soc. 100, 8112 (1978)			1 g 40. —	
	3,3,6,9,9-Pentamethyl-2,10-diazabicyclo[4.4.0]dec-1-ene C ₁₃ H ₂₄ N ₂ M _r 208.35				
76830	purum ~98%(GC); d ₄ ²⁰ 0.924; Amidine base with exceptional properties: F. Heinzer, M. Soukup, A. Eschenmoser, Helv. Chim. Acta 61, 2851 (1978)		1 lt ≈ 0.92 kg	1 g 38. —	5 g 160. —
	Pentamethylene diamine see 33211 1,5-Diaminopentane				
	Pentamethylene dibromide see 34260 1,5-Dibromopentane				
	Pentamethylene dichloride see 36110 1,5-Dichloropentane				
	Pentamethylene dicyanide see 80530 Pimelonitrile				
	Pentamethylene dimercaptan see 76920 1,5-Pentanedithiol				
	Pentamethylene glycol see 76892 1,5-Pentanediol				
	Pentamethylene oxide see 87470 Tetrahydropyran				
	Pentamethylethane see 92340 2,2,3-Trimethylbutane				
	1,2,2,6,6-Pentamethylpiperidine (PMP) 3/3; 55° CH ₂ NC(CH ₃) ₂ CH ₂ CH ₂ CH ₂ C(CH ₃) ₂ C ₁₀ H ₂₁ N M _r 155.29 [79-55-0]				
76850	purum >99%(GC); B.P. 182-184°; d ₄ ²⁰ 0.859; n _D ²⁰ 1.460; "One of the strongest known organic bases" (Sterically hindered and non quaternizing); H. Z. Sommer et al., J. Org. Chem. 36, 824 (1971)		1 lt ≈ 0.86 kg	5 ml 29. —	25 ml 120. —

sFr.

sFr.

Pentanal see 94510 n-Valeraldehyde**Pentane** (Alkane C₅)3/1a; -40° CH₃(CH₂)₃CH₃ C₅H₁₂ M_r 72.15 [109-66-0]

76870	puriss. Standard for GC; >99.8%(GC); B.P. 35-36°; d ₄ ²⁰ 0.626; n _D ²⁰ 1.359	1 lt ≈ 0.63 kg	10 ml 28.—	50 ml 120.—
76871	puriss. p.a. Fluka-Guarantee: Assay (GC) >99.5 % Residue on evaporation <0.002 % Iron (Fe) <0.00005% Copper (Cu) <0.00001% Lead (Pb) <0.00001% Cadmium (Cd) <0.00001% Zinc (Zn) <0.00001%	1 lt ≈ 0.63 kg	250 ml 9.—	1 lt 30.—
76872	for UV-Spectroscopy Fluka-Guarantee: Layer thickness: 1 cm; Reference cell: water Wave length in nm: 215 220 230 240 250 260-400 Transmittance in %: 30 80 93 96 98 100	1 lt ≈ 0.63 kg	250 ml 12.—	1 lt 40.—
76875	for HPLC; B.P. 36°; n _D ²⁰ 1.357; UV cut-off 200 nm; solvent length ε (Al ₂ O ₃) 0.00; H ₂ O <0.02%	1 lt ≈ 0.63 kg	500 ml 16.—	1 lt 30.—
76873	purum >99%(GC); B.P. 35-36°; d ₄ ²⁰ 0.626; n _D ²⁰ 1.357	1 lt ≈ 0.63 kg	1 lt 16.—	5 lt 67.—
76874	pract. >95%(GC); B.P. 34-36°; d ₄ ²⁰ 0.626; n _D ²⁰ 1.357	1 lt ≈ 0.63 kg	1 lt 12.—	5 lt 50.—

Pentane Fraction compare also alkane mixtures

76880	3/1a; -40° purum B.P. 34-37°; d ₄ ²⁰ 0.623; n _D ²⁰ 1.358	1 lt ≈ 0.62 kg	1 lt 11.—	5 lt 46.—
-------	--	----------------	-----------	-----------

Pentane-1,5-bis-(trimethylammonium iodide) see 76810 Pentamethonium iodide**1,5-Pentanediamine** see 33211 1,5-Diaminopentane**1,5-Pentanediol** (Pentamethyleneglycol)HO(CH₂)₅OH C₅H₁₂O₂ M_r 104.15 [111-29-5]

76892	purum >98%(GC); d ₄ ²⁰ 0.990; n _D ²⁰ 1.450	1 lt ≈ 0.99 kg	250 ml 14.—	1 lt 50.—
-------	--	----------------	-------------	-----------

2,4-PentanediolCH₃CH(OH)CH₂CH(OH)CH₃ C₅H₁₂O₂ M_r 104.15 [625-69-4]

76900	purum (Mixture of racemic and meso-form) ~99%(GC); B.P. ₋₂₅ 114-115° d ₄ ²⁰ 0.96; n _D ²⁰ 1.435	1 lt ≈ 0.96 kg	25 ml 21.—	100 ml 75.—
-------	--	----------------	------------	-------------

2,3-Pentanedione (Acetylpropionyl)3/1a; 19° CH₃CH₂COCOCH₃ C₅H₈O₂ M_r 100.12 [600-14-6]

76910	pract. ~97%(GC); B.P. 110-115°; d ₄ ²⁰ 0.97; n _D ²⁰ 1.405	1 lt ≈ 0.97 kg	25 ml 14.—	100 ml 50.—
-------	---	----------------	------------	-------------

2,4-Pentanedione see 00900 Acetylacetone**1,5-Pentanedithiol** (Pentamethylene dimercaptan)6.1/81a HS(CH₂)₅SH C₅H₁₂S₂ M_r 136.28 [928-98-3]

76920	purum >98%(GC); B.P. 216-218°; d ₄ ²⁰ 1.16; n _D ²⁰ 1.519	1 lt ≈ 1.16 kg	10 ml 28.—	50 ml 120.—
-------	--	----------------	------------	-------------

1-Pentanesulfonic acid Sodium salt MonohydrateCH₃(CH₂)₃CH₂SO₃Na.H₂O C₅H₁₁NaO₃S.H₂O M_r 192.21 [22767-49-3]

76955	purum >98%(T); for Ion-Pair-Chromatography; 1 g clearly and colourless soluble in 10 ml water		10 g 30.—	
-------	--	--	-----------	--

1-Pentanethiol (Mercaptan C₅; Pentylmercaptan) see also 2,2-Dimethylpropanethiol3/1a; 18° CH₃(CH₂)₄SH C₅H₁₂S M_r 104.22 [110-66-7]

76960	purum >98%(GC); B.P. 124-126°; d ₄ ²⁰ 0.842; n _D ²⁰ 1.447	1 lt ≈ 0.84 kg	50 ml 16.—	250 ml 67.—
-------	---	----------------	------------	-------------

1-Pentanol (Alcohol C₅)3/3; 38° CH₃(CH₂)₄OH C₅H₁₂O M_r 88.15 [71-41-0]

76929	puriss. p.a. B.P. 137-139°; d ₄ ²⁰ 0.812; n _D ²⁰ 1.409	1 lt ≈ 0.81 kg	250 ml 7.—	1 lt 20.—	2.5 lt 46.—
	Fluka-Guarantee: Assay (GC) >99.0 % Water (H ₂ O) <0.1 % Residue on evaporation <0.002% Free acid [as CH ₃ (CH ₂) ₃ COOH] <0.005% H ₂ SO ₄ -Probe passes test Aldehyde [as CH ₃ (CH ₂) ₃ CHO] <0.001% Ketone (as CH ₃ COCH ₃) <0.01 % Cobalt (Co) <0.00001% Nickel (Ni) <0.00001% Iron (Fe) <0.00005% Copper (Cu) <0.00001% Lead (Pb) <0.00001% Cadmium (Cd) <0.00001% Zinc (Zn) <0.00001%				
76930	purum >98%(GC); B.P. 136-138°; d ₄ ²⁰ 0.816; n _D ²⁰ 1.410	1 lt ≈ 0.82 kg	1 lt 16.—		2.5 lt 35.—

			sFr.	sFr.
2-Pentanol (sec.-Pentyl alcohol; Methyl propyl carbinol)				
	3/3; 34°	$\text{CH}_3\text{CH}_2\text{CH}_2\text{CH}(\text{OH})\text{CH}_3$ $\text{C}_5\text{H}_{12}\text{O}$ M_r 88.15 [6032-29-7]		
76940		puriss. p.a. >99%(GC); B.P. 118-119°; d_4^{20} 0.811; n_D^{20} 1.406	1 lt $\approx$ 0.81 kg	100 ml 13. — 500 ml 55. —
76942		purum >98%(GC); B.P. 116-119°; d_4^{20} 0.810; n_D^{20} 1.407	1 lt $\approx$ 0.81 kg	250 ml 11. — 1 lt 38. —
3-Pentanol (sec-inact.-Pentyl alcohol; Diethyl carbinol)				
	3/3; 34°	$(\text{C}_2\text{H}_5)_2\text{CHOH}$ $\text{C}_5\text{H}_{12}\text{O}$ M_r 88.15 [584-02-1]		
76950		purum >98%(GC); B.P. 114-116°; d_4^{20} 0.819; n_D^{20} 1.410	1 lt $\approx$ 0.82 kg	100 ml 18. — 500 ml 75. —
2-Pentanone (Methyl propyl ketone)				
	3/1a; 10°	$\text{CH}_3\text{COCH}_2\text{CH}_2\text{CH}_3$ $\text{C}_5\text{H}_{10}\text{O}$ M_r 86.14 [107-87-9]		
68950		purum >99%(GC); B.P. 99-102°; d_4^{20} 0.806; n_D^{20} 1.390	1 lt $\approx$ 0.81 kg	100 ml 7. — 500 ml 16. — 1 lt 30. —
3-Pentanone (Diethyl ketone)				
	3/1a; 13°	$\text{CH}_3\text{CH}_2\text{COCH}_2\text{CH}_3$ $\text{C}_5\text{H}_{10}\text{O}$ M_r 86.14 [96-22-0]		
32400		puriss. p.a. >99.5%(GC); B.P. 102-103°; d_4^{20} 0.813; n_D^{20} 1.392	1 lt $\approx$ 0.81 kg	100 ml 12. — 500 ml 50. —
32410		purum $\sim$ 99%(GC); B.P. 99-102°; d_4^{20} 0.814; n_D^{20} 1.392	1 lt $\approx$ 0.81 kg	500 ml 16. — 2.5 lt 67. —
1,4,7,10,13-Pentaoxacyclopentadecane see 28123 15-Crown-5				
1-Pentene				
	3/1a; -18°	$\text{CH}_3\text{CH}_2\text{CH}_2\text{CH}:\text{CH}_2$ C_5H_{10} M_r 70.14 [109-67-1]		
76970		puriss. Standard for GC; >99.5%(GC); B.P. 30-31°; d_4^{20} 0.641; n_D^{20} 1.371	1 lt $\approx$ 0.64 kg	5 ml 20. — 25 ml 85. —
76971		puriss. >99%(GC); d_4^{20} 0.641; n_D^{20} 1.371	1 lt $\approx$ 0.64 kg	25 ml 14. — 100 ml 50. —
76972		purum >98%(GC); B.P. 29-31°; d_4^{20} 0.641; n_D^{20} 1.371	1 lt $\approx$ 0.64 kg	50 ml 18. — 250 ml 75. —
76973		pract. >95%(GC); B.P. 28-31°; d_4^{20} 0.641; n_D^{20} 1.371	1 lt $\approx$ 0.64 kg	100 ml 22. — 500 ml 90. —
cis-2-Pentene				
	3/1a; -18°	$\text{CH}_3\text{CH}_2\text{CH}:\text{CHCH}_3$ C_5H_{10} M_r 70.14 [627-20-3]		
76979		purum >99%(GC); B.P. 36-37°; d_4^{20} 0.657; n_D^{20} 1.382; <1% trans-2-Pentene	1 lt $\approx$ 0.66 kg	5 ml 37. — 25 ml 155. —
76990		trans-2-Pentene purum >99%(GC); B.P. 35-36°; d_4^{20} 0.647; n_D^{20} 1.379	1 lt $\approx$ 0.65 kg	5 ml 32. — 25 ml 135. —
	3/1a; -18°	$\text{CH}_3\text{CH}_2\text{CH}:\text{CHCH}_3$ C_5H_{10} M_r 70.14 [646-04-8]		
2-Pentene (cis + trans)				
	3/1a; -18°	$\text{CH}_3\text{CH}_2\text{CH}:\text{CHCH}_3$ C_5H_{10} M_r 70.14 [109-68-2]		
77002		pract. >95%(GC); B.P. 36-37°; d_4^{20} 0.649; n_D^{20} 1.381	1 lt $\approx$ 0.65 kg	100 ml 45. — 500 ml 190. —
77005		2-Pentene nitrile techn. $\sim$ 70%(GC); B.P. 122-127°; d_4^{20} 0.821; n_D^{20} 1.422 $\text{CH}_3\text{CH}_2\text{CH}:\text{CHCN}$ $\text{C}_5\text{H}_7\text{N}$ M_r 81.12 [13284-42-9]	1 lt $\approx$ 0.82 kg	250 ml 12. — 1 lt 40. —
77008		3-Pentene nitrile pract. >95%(GC); B.P. 141-145°; d_4^{20} 0.941; n_D^{20} 1.422 $\text{CH}_3\text{CH}:\text{CHCH}_2\text{CN}$ $\text{C}_5\text{H}_7\text{N}$ M_r 81.12 [4635-87-4]	1 lt $\approx$ 0.94 kg	250 ml 14. — 1 lt 50. —
trans-2-Pentenoic acid				
		$\text{CH}_3\text{CH}_2\text{CH}:\text{CHCOOH}$ $\text{C}_5\text{H}_8\text{O}_2$ M_r 100.12 [13991-37-2]		
77045		purum >98%(GC); M.P. 9-11°; B.P. 200-203°; d_4^{20} 0.989; n_D^{20} 1.452	1 lt $\approx$ 0.99 kg	10 ml 30. — 50 ml 125. —
4-Pentenoic acid see 05950 Allylacetic acid				
1-Penten-3-ol (Ethyl vinyl carbinol)				
	3/3; 28°	$\text{CH}_3\text{CH}_2\text{CH}(\text{OH})\text{CH}:\text{CH}_2$ $\text{C}_5\text{H}_{10}\text{O}$ M_r 86.14 [616-25-1]		
77010		purum >98%(GC); B.P. 114-116° (Lit.); d_4^{20} 0.842; n_D^{20} 1.425	1 lt $\approx$ 0.84 kg	5 ml 18. — 25 ml 75. —
4-Penten-1-ol (2-Allylethyl alcohol)				
	3/3; 48°	$\text{CH}_2:\text{CH}(\text{CH}_2)_3\text{OH}$ $\text{C}_5\text{H}_{10}\text{O}$ M_r 86.14 [821-09-0]		
77020		purum >97%(GC); B.P. 139-142°; d_4^{20} 0.846; n_D^{20} 1.429	1 lt $\approx$ 0.85 kg	5 ml 24. — 25 ml 100. —
3-Penten-2-ol (cis + trans) (Methyl propenyl carbinol)				
	3/3; 36°	$\text{CH}_3\text{CH}(\text{OH})\text{CH}:\text{CHCH}_3$ $\text{C}_5\text{H}_{10}\text{O}$ M_r 86.14 [1569-50-2]		
77030		pract. $\sim$ 96%(GC); B.P. 120-122° (Lit.); d_4^{20} 0.837; n_D^{20} 1.428	1 lt $\approx$ 0.84 kg	5 ml 24. — 25 ml 110. —
4-Penten-2-ol (Allyl methyl carbinol)				
	3/3; 30°	$\text{CH}_3\text{CH}(\text{OH})\text{CH}_2\text{CH}:\text{CH}_2$ $\text{C}_5\text{H}_{10}\text{O}$ M_r 86.14 [625-31-0]		
77040		purum >98%(GC); B.P. 114-116°; d_4^{20} 0.835; n_D^{20} 1.424	1 lt $\approx$ 0.84 kg	5 ml 21. — 25 ml 90. —

			sFr.	sFr.
	1-Penten-3-one (Ethyl vinyl ketone) 3/1a; < -10° C ₂ H ₅ COCH:CH ₂ C ₅ H ₈ O M _r 84.12 [1629-58-9]			
05020	purum stab. with 0.1% Di-tert-butyl-p-cresol; >98%(GC); B.P. 98-100°; d ₄ ²⁰ 0.847; n _D ²⁰ 1.419; store in refrigerator; Reagent for annulations; Reviews: M. J. Jung, Tetrahedron 32, 3 (1976); R. E. Gawley, Synthesis 777 (1976)	1 lt ≈ 0.85 kg	10 ml 30. —	50 ml 125. —
	Pentyl acetate (Amyl acetate) 3/3; 25° CH ₃ COO(CH ₂) ₄ CH ₃ C ₇ H ₁₄ O ₂ M _r 130.19 [628-63-7]			
46022	puriss. p.a. ~99%(GC); B.P. 147-149°; d ₄ ²⁰ 0.877; n _D ²⁰ 1.403; <1% Isopentyl acetate	1 lt ≈ 0.88 kg	250 ml 13. —	1 lt 45. —
46025	pract. ~95%(GC) + ~5% Isopentyl acetate; B.P. 148-150°; d ₄ ²⁰ 0.875; n _D ²⁰ 1.402	1 lt ≈ 0.88 kg	1 lt 20. —	5 lt 85. —
46024	prim-Pentyl acetate pract. (prim-Amyl acetate) 3/3; 40° CH ₃ COOCH ₂ C ₄ H ₉ C ₇ H ₁₄ O ₂ M _r 130.19	1 lt ≈ 0.87 kg	250 ml 12. —	1 lt 40. —
	sec-Pentyl alcohol see 76940 2-Pentanol			
	tert-Pentyl alcohol see 66000 2-Methyl-2-butanol			
	sec-inact.-Pentyl alcohol see 76950 3-Pentanol			
	Pentylamine (Amine C ₅ ; 1-Aminopentane; n-Amylamine) 3/1a; -1° CH ₃ (CH ₂) ₄ NH ₂ C ₅ H ₁₃ N M _r 87.17 [110-58-7]			
77060	purum >98%(GC); B.P. 102-104°; d ₄ ²⁰ 0.753; n _D ²⁰ 1.412	1 lt ≈ 0.75 kg	50 ml 16. —	250 ml 67. —
	2-Pentylamine see 09093 (+)-2-Aminopentane			
	tert-Pentylamine see 41529 1,1-Dimethylpropylamine			
	Pentylbenzene (1-Phenylpentane) 3/3 C ₆ H ₅ (CH ₂) ₄ CH ₃ C ₁₁ H ₁₆ M _r 148.25 [538-68-1]			
77080	pract. >97%(GC); B.P. 200-202°; d ₄ ²⁰ 0.860; n _D ²⁰ 1.489	1 lt ≈ 0.86 kg	25 ml 14. —	100 ml 50. —
	sec-Pentylbenzene (2-Phenylpentane) 3/3; 42° C ₆ H ₅ CH(CH ₃)CH ₂ CH ₂ CH ₃ C ₁₁ H ₁₆ M _r 148.25 [2719-52-0]			
77083	purum >97%(GC); d ₄ ²⁰ 0.860; n _D ²⁰ 1.486	1 lt ≈ 0.86 kg	25 ml 12. —	100 ml 40. —
	Pentyl bromide see 17920 1-Bromopentane			
	Pentyl chloride see 25770 1-Chloropentane			
	Di-tert-pentyl dicarbonate see 33425 Di-tert-amyl dicarbonate			
	Pentyl ether (Dipentyl ether) 3/4; 57° [CH ₃ (CH ₂) ₄] ₂ O C ₁₀ H ₂₂ O M _r 158.29 [693-65-2]			
42570	puriss. ~99%(GC); B.P. 183-185°; d ₄ ²⁰ 0.785; n _D ²⁰ 1.412	1 lt ≈ 0.79 kg	25 ml 29. —	100 ml 105. —
	Pentyl iodide see 58010 1-Iodopentane			
	Pentyl mercaptan see 76960 1-Pentanethiol			
	1-Pentyl-2-phenylacetylene see 78650 1-Phenyl-1-heptyne			
	Pentyl propyl carbinol see 74300 4-Nonanol			
	Pentyl propyl ketone see 77144 4-Nonanone			
	Pentyltributylammonium bromide see 90805 Tributylpentylammonium bromide			
94565	Pentyl valerate purum >97%(GC); d ₄ ²⁰ 0.864; n _D ²⁰ 1.416 CH ₃ (CH ₂) ₂ CH ₂ COOCH ₂ (CH ₂) ₃ CH ₃ C ₁₀ H ₂₀ O ₂ M _r 172.27 [2173-56-0]	1 lt ≈ 0.86 kg	100 ml 13. —	500 ml 55. —
	Pentyl vinyl carbinol see 74950 1-Octen-3-ol			
	1-Pentyne 3/1a; -20° CH ₃ CH ₂ CH ₂ C≡CH C ₅ H ₈ M _r 68.12 [627-19-0]			
77050	purum >99%(GC); B.P. 39-41°; d ₄ ²⁰ 0.691; n _D ²⁰ 1.385; store in refrigerator	1 lt ≈ 0.69 kg	10 ml 14. —	50 ml 60. —
77055	4-Pentynoic acid purum (Propargylacetic acid) HC≡CCH ₂ CH ₂ COOH C ₅ H ₆ O ₂ M _r 98.10 [6089-09-4]		1 g 12. —	5 g 50. —
	PEP-3CHA see 79430 Phosphoenolpyruvate tri-Cyclohexylamine salt			

		sFr.	sFr.
Pepsin (EC 3.4.23.1)			
77152	3 × cryst. ~2500 U/mg; store in refrigerator; according to Northrop and Herriott; J. Gen. Physiol. 21, 501 (1938); ibid, 30, 177 (1946)	250 mg 14. —	1 g 50. —
77160	1:10000 USP X; Ash ~2%; Loss on drying 3-5%; store in refrigerator	25 g 13. —	100 g 45. —
77163	1:3000 N.F. XI; Ash <5%; Loss on drying <5%; store in refrigerator	100 g 14. —	500 g 50. —
77180	Peptone for Bacteriology; Ash ~5%	100 g 10. —	500 g 37. —

Peptides see green section

Peptide Synthesis see green section

PER see 09920 Ammonium peroxydisulfate

Perchloric acid

	5.1/3	HClO ₄ ClHO ₄ M _r 100.46 [7601-90-3]				
77230		puriss. p.a. 70%; d ₄ ²⁰ 1.66	1 lt ≈ 1.66 kg	100 ml 7. —	500 ml 20. —	1 lt 38. —
		Fluka-Guarantee:				
		Non-volatile parts <0.015 %	Silicate (as SiO ₂) <0.005 %			
		Chloride (Cl) <0.0005%	Iron (Fe) <0.0002%			
		Sulfate (SO ₄) <0.007 %	Heavy metals (as Pb) <0.002 %			
77232		puriss. p.a. 60%; d ₄ ²⁰ ~1.54	1 lt ≈ 1.54 kg	100 ml 7. —	500 ml 17. —	1 lt 32. —
		Fluka-Guarantee:				
		Non-volatile parts <0.005 %	Phosphate and Silicate (as SiO ₂) <0.005 %			
		Chloride (Cl) <0.0003%	Iron (Fe) <0.0004%			
		Sulfate (SO ₄) <0.001 %				
		Heavy metals (as Pb) <0.001 %				
77233	8/4	puriss. p.a. 20%; d ₄ ²⁰ 1.12	1 lt ≈ 1.12 kg	250 ml 7. —		1 lt 20. —



0.1 N Perchloric acid solution in Acetic acid

77235		adjusted against Tris- and Potassium hydrogen phthalate; Factor 1.000±0.2%; Attention: Solution congeals at 17°C!	1 lt ≈ 1.05 kg	1 lt 45. —
-------	--	--	----------------	------------

Perchlorobutadiene see 52108 Hexachloro-1,3-butadiene

Perchloroethane see 52090 Hexachloroethane

Perchloroethylene see 86970 Tetrachloroethylene

Perchloromethyl mercaptan (Thiocarbonyl tetrachloride; Trichloromethanesulfenyl chloride)

	6.1/12e	CCl ₃ SCI CCl ₄ S M _r 185.89 [594-42-3]			
77220		pract. dest. 90-95%(GC); B.P. 145-149°; d ₄ ²⁰ 1.695; n _D ²⁰ 1.545; CCl ₄ <2%	1 lt ≈ 1.70 kg	100 ml 18. —	500 ml 75. —

Percyanoethylene see 87120 Tetracyanoethylene

Perfluorobenzoyl chloride see 76732 2,3,4,5,6-Pentafluorobenzoyl chloride

Perfluorobutyramide see 77255 Heptafluorobutyramide

Perfluorobutyric acid see 77249 Heptafluorobutyric acid

Perfluorobutyric anhydride see 77251 Heptafluorobutyric anhydride

Perfluorobutyryl chloride see 77254 Heptafluorobutyryl chloride

Perfluorocaprylic acid see 77260 Pentadecafluorooctanoic acid

Perfluorocyclohexane see 43980 Dodecafluorocyclohexane

Perfluorodecahydronaphthalene (cis + trans) see 77264 Octadecafluorodecahydronaphthalene

Perfluoroglutaric acid see 77270 Hexafluoroglutaric acid

Perfluoroheptane see 77272 Hexadecafluoroheptane

Perfluorohexane see 77273 Tetradecafluorohexane

		Perfluorokerosene low boiling			
77277		pract. B.P. 70-240°; d ₄ ²⁰ 1.855; n _D ²⁰ 1.300	1 lt ≈ 1.86 kg	5 ml 26. —	25 ml 110. —

Perfluoromethylcyclohexane see 77280 Trifluoromethyl undecafluorocyclohexane

Perfluorooctane see 77286 Octadecafluorooctane

sFr.

sFr.

Perfluorooctane sulfonic acid Tetraethylammonium salt

see 77288 Heptadecafluorooctanesulfonic acid Tetraethylammonium salt

Perfluoropropionic acid see 77290 Pentafluoropropionic acid**Perfluoropropionic anhydride** see 77292 Decafluoropropionic anhydride**Perfluorotributylamine** see 77299 Heptacosafuorotributylamine**Perhydro-dibenzo-18-crown-6** see 36665 Dicyclohexano-18-crown-6**Perhydroindene** see 53932 Hydrindan (cis + trans)**Perhydrosqualene** see 85630 Squalane**Periodic acid**5.1/3 H₅IO₆ M_r 227.94 [10450-60-9]

77310 puriss. p.a. cryst. for oxydometric Titration; for histochemical Polysaccharide-Analysis; Klin.Wschr. 30, 1057 (1952)

25 g 10.—

100 g 35.—

Fluka-Guarantee:

Assay (acidimetr. and
iodometr. determination)

>99.5%

Iron (Fe)

<0.001%

Sulfate ash

<0.05%

Chloride, Chlorate,

<0.05 %

Iodic acid (HIO₃)

<0.05%

Perchlorate

77312 purum p.a. cryst.

100 g 30.—

500 g 125.—

Fluka-Guarantee:

Assay

>98.0 %

Lead (Pb)

<0.005%

Chloride (Cl)

<0.01 %

Iron (Fe)

<0.005%

Sulfate (SO₄)

<0.01 %

Zinc (Zn)

<0.005%

Copper (Cu)

<0.005%

Calcium (Ca)

<0.005%

Peroxidase ex Horse Radish (EC 1.11.1.7)M_r ~40 000 [9003-99-0]

77330 puriss. p.a. cryst. ~250 Purpurogallin U/mg; store in refrigerator

10 mg 50.—

77332 purum lyophilized salt free; ~100 Purpurogallin U/mg; store in refrigerator

100 mg 28.—

77340 **Perylene** purum >99% (HPLC); M.P. 276-279°; λ_{max} 435 nm, log ε 4.52
C₂₀H₁₂ M_r 252.32 [198-55-0]

1 g 15.—

5 g 63.—

Petroleum special (compare also alkane mixtures)77370 3/4; 61° purum B.P. 180-220°; d₄²⁰ 0.78-0.79

1 lt ≈ 0.78 kg

1 lt 9.—

2.5 lt 18.—

Petroleum ether

77379 3/1a; -40° puriss. p.a. B.P. 40-60°

1 lt ≈ 0.66 kg

1 lt 12.—

2.5 lt 26.—

77380 -46° purum Ph. Helv.; B.P. 40-70°; d₄²⁰ 0.650-0.655;
Aromatic content <0.3%

1 lt ≈ 0.65 kg

1 lt 9.—

2.5 lt 18.—

10 lt 55.—

77382 for pesticide residue analysis; B.P. 30-60°; Distilled in Glass; Original
packaging of Burdick and Jackson Laboratories Inc.

1 quart ≈ 0.95 lt

25.—

Petroleum ether high boiling

77390 3/1a; -10° purum B.P. 50-70°; Aromatic content <0.3%

1 lt ≈ 0.66 kg

1 lt 9.—

2.5 lt 18.—

10 lt 55.—

Petroleum ether low boiling

77399 3/1a; -46° puriss. p.a. B.P. 30-40°

1 lt ≈ 0.63 kg

1 lt 12.—

2.5 lt 26.—

77400 purum B.P. 30-45°; d₄²⁰ 0.63; n_D²⁰ 1.358

1 lt ≈ 0.63 kg

1 lt 9.—

2.5 lt 18.—

10 lt 55.—

Petroleum Fraction12270 3/1a; -18° purum B.P. 65-100°; Benzene <0.5%; d₄²⁰ ~0.685;
n_D²⁰ 1.384-1.394

1 lt ≈ 0.69 kg

1 lt 8.—

2.5 lt 16.—

10 lt 55.—

77410 **Petroselinic acid** pract. ~95% (GC); M.P. 25-29° (cis-6-Octadecenoic acid)
CH₃(CH₂)₁₀CH:CH(CH₂)₄COOH C₁₈H₃₄O₂ M_r 282.47 [593-39-5]

5 g 44.—

PFPA see 77292 Decafluoropropionic anhydride**2-PG-Ba** see 79480 D-2-Phosphoglycerate Barium salt**3-PG-Ba** see 79490 D-3-Phosphoglycerate Barium salt**6-PG-Ba** see 79450 6-Phosphogluconate Barium salt**R(-)-α-Phellandrene** (p-Mentha-1,5-diene)3/3; 42° (CH₃)₂CHCHCH:CHC(CH₃):CHCH₂ C₁₀H₁₆ M_r 136.24 [4221-98-1]77429 puriss. >99% (GC); B.P. 171-174°; d₄²⁰ 0.838; n_D²⁰ 1.471;[α]_D²⁰ -276±10° (c = 10 in Diethylether)

1 lt ≈ 0.84 kg

5 ml 40.—

77430 47° techn. ~50%; B.P. 171-178°; d₄²⁰ 0.838; n_D²⁰ 1.472

1 lt ≈ 0.84 kg

250 ml 21.—

1 lt 75.—

			sFr.	sFr.
	Phenacetin (Aceto-p-phenetidin)			
	6.1/21	$C_2H_5OC_6H_4NHCOCH_3$ $C_{10}H_{13}NO_2$ M_r 179.22 [62-44-2]		
77440		purum fine cryst. M.P. 133-136°; Inhalation and contact with skin should be avoided	250 g 8.—	1 kg 22.—
	Phenacylamine hydrochloride (ω -Aminoacetophenone hydrochloride)			
		$C_6H_5COCH_2NH_2 \cdot HCl$ $C_8H_9NO \cdot HCl$ M_r 171.63 [5468-37-1]		
77445		purum >98%(Cl); M.P. $\sim 190^\circ$ dec.	10 g 12.—	50 g 50.—
	Phenacyl bromide (ω -Bromoacetophenone)			
	6.1/23c	$C_6H_5COCH_2Br$ C_8H_7BrO M_r 199.05 [70-11-1]		
77450		puriss. >99(Br); M.P. 49-50°; store in refrigerator	10 g 12.—	50 g 50.—
77452		purum >97%(GC); M.P. 46-48°; store in refrigerator	100 g 20.—	500 g 85.—
77460	Phenacyl chloride purum >98%(Cl); M.P. 53-56° (ω -Chloroacetophenone)		100 g 11.—	500 g 44.—
	6.1/23b	$C_6H_5COCH_2Cl$ C_8H_7ClO M_r 154.60 [532-27-4]		
	Phenanthrene			
	6.1/81g	$C_{14}H_{10}$ M_r 178.24 [85-01-8]		
77470		purum >97%(HPLC); M.P. 98-100°; λ_{max} 251 nm, $\log \epsilon$ 4.82; white crystals	100 g 18.—	500 g 75.—
77472		pract. >97%(HPLC); M.P. 96-98°; brown crystals	250 g 9.—	1 kg 30.—
77475	Phenanthrene-9-carboxaldehyde purum M.P. 100-102°		5 g 37.—	
	6.1/81g	$C_{15}H_{10}O$ M_r 206.25 [4707-71-5]		
77480	9,10-Phenanthrenequinone pract. M.P. 202-204° dec.		25 g 12.—	100 g 32.—
		$C_{14}H_8O_2$ M_r 208.22 [84-11-7]		
77490	Phenanthridine purum >98%(NT); M.P. 104-107° (Benzo[c]quinoline)		10 g 25.—	50 g 105.—
		$C_{13}H_9N$ M_r 179.22 [229-87-8]		
	o-Phenanthroline (1,10-Phenanthroline)			
		$C_{12}H_8N_2 \cdot H_2O$ M_r 198.23 [66-71-7]		
77500		puriss. p.a. >99%(NT); M.P. 94-98°; Determination of: Fe, Pd, V; Analysis of: Fe, V; Spectrophotometric: Determination of Iron; Microchem. J. 15, 585 (1970)	5 g 11.—	25 g 46.— 100 g 160.—
	o-Phenanthroline ferrous sulfate complex see 46270 Ferroin-Solution			
	o-Phenanthroline hydrochloride			
		$C_{12}H_8N_2 \cdot HCl \cdot H_2O$ M_r 234.69 [3829-86-5]		
77510		puriss. p.a. >99%(Cl); 1 g clearly soluble in 10 ml water	5 g 11.—	25 g 46.—
77530	Phenazine purum >98%(NT); M.P. 174-176° (Dibenzo[b,e]pyrazine)		5 g 20.—	25 g 85.—
		$C_{12}H_8N_2$ M_r 180.21 [92-82-0]		
	Phenazine methosulfate see 68600 N-Methylphenazonium methyl sulfate			
	Phenethyl alcohol (Benzyl carbinol; 2-Phenylethanol; 2-Phenylethyl alcohol)			
		$C_6H_5CH_2CH_2OH$ $C_8H_{10}O$ M_r 122.17 [60-12-8]		
77861		purum 99%(GC); B.P. 101-103°; d_4^{20} 1.020; n_D^{20} 1.532	1 lt $\approx$ 1.02 kg 250 ml 11.—	1 lt 38.—
	Phenethylamine (2-Phenylethylamine)			
	8/35; 70°	$C_6H_5CH_2CH_2NH_2$ $C_8H_{11}N$ M_r 121.18 [64-04-0]		
77899		puriss. >99%(GC); B.P. 75-76°; d_4^{20} 0.964; n_D^{20} 1.534	1 lt $\approx$ 0.96 kg 100 ml 11.—	500 ml 46.—
77900		purum >99%(GC); B.P. 195-188°; d_4^{20} 0.964; n_D^{20} 1.534; Yellowish colour	1 lt $\approx$ 0.96 kg 250 ml 17.—1	lt 60.—
	Phenethyl... see also Phenylethyl...			
	o-Phenetidine (2-Ethoxyaniline)			
	6.1/21	$NH_2C_6H_4OC_2H_5$ $C_8H_{11}NO$ M_r 137.18 [94-70-2]		
77540		pract. >99%(GC); B.P. 230-233°; d_4^{20} 1.05; n_D^{20} 1.555	1 lt $\approx$ 1.05 kg 250 ml 16.—	1 lt 55.—
	m-Phenetidine (3-Ethoxyaniline)			
	6.1/21	$NH_2C_6H_4OC_2H_5$ $C_8H_{11}NO$ M_r 137.18 [621-33-0]		
77550		pract. >97%(GC); B.P. 246-250°; d_4^{20} 1.062; n_D^{20} 1.564	1 lt $\approx$ 1.06 kg 10 ml 28.—	50 ml 120.—
	p-Phenetidine (4-Ethoxyaniline)			
	6.1/21	$NH_2C_6H_4OC_2H_5$ $C_8H_{11}NO$ M_r 137.18 [156-43-4]		
77560		pract. >97%(GC); M.P. 2-5°; B.P. 254° (Lit.); d_4^{20} 1.060; n_D^{20} 1.559	1 lt $\approx$ 1.06 kg 250 ml 10.—	1 lt 32.—

			sFr.	sFr.
	Phenetole (Ethoxybenzene; Phenyl ethyl ether)			
	3/4; 57°	$C_8H_8OC_2H_5$ $C_8H_{10}O$ M_r 122.17 [103-73-1]		
77600		purum >98%(GC); B.P. 168-172°; d_4^{20} 0.967; n_D^{20} 1.505	1 lt ≈ 0.97 kg	250 ml 14. — 1 lt 50. —
	Phenobarbital see 04710 5-Ethyl-5-phenylbarbituric acid			
	Phenobarbital Sodium see 04712 5-Ethyl-5-phenylbarbituric acid Sodium salt			
	Phenol ("Carbolic acid")			
	6.1/13c; 79°	C_6H_5OH C_6H_6O M_r 94.11 [108-95-2]		
77610		puriss. p.a. loose crystals >99.5%(GC); M.P. 40.5-41.5°; Ash <0.05%	250 g 8. —	1 kg 25. —
77612		purum >99%(GC); M.P. 39-41°	1 kg 16. —	2.5 kg 35. —
77614		purum ~90%(NT) liquid + ~10% H_2O ; d_4^{20} 1.06-107; n_D^{20} 1.53; Heavy metals <0.0002%	1 lt 1.07 kg	1 lt 14. — 2.5 lt 31. —
	Phenolphthalein [C.I. Nr. 764 (1924); Sch. Nr. 879]			
		$C_{20}H_{14}O_4$ M_r 318.33 [77-09-8]		
77620		Standard Fluka Ph. Helv.; >99%(NT); Indicator pH 8.2-10.0; M.P. 261-263°	100 g 7. —	500 g 21. — 1 kg 40. —
	Phenolphthaleindiphosphate Pyridine salt Determination of Phosphatases			
		$C_{20}H_{16}O_{10}P_2 \cdot C_5H_5N$ M_r 557.40		
		[2090-82-6] (free acid)		
77630		purum 95%(P)	1 g 20. —	5 g 85. —
	Phenolphthalexone [Phenolphthalein-3',3''-bis(methyliminodiacetic acid Disodium salt)]			
		$C_{30}H_{28}N_2O_{12}$ (acid) M_r 608.56 [25296-54-2]		
77640		Standard Fluka; M.P. 182-184° (Lit.); Indicator for Complexometry	1 g 30. —	5 g 125. —
77650	Phenol Red	Standard Fluka Indicator pH 6.4-8.2 (Phenolsulfonphthalein)	10 g 10. —	50 g 42. — 250 g 175. —
		$C_{19}H_{14}O_5S$ M_r 354.38 [143-74-8]		
	Phenol Red Sodium salt (Phenolsulfonphthalein Sodium salt)			
		$NaO_3SC_6H_4C(C_6H_4-4-OH):C_6H_4-4-O$ $C_{19}H_{13}NaO_5S$ M_r 376.37 [34487-61-1]		
77660		Standard Fluka Indicator pH 6.4-8.2	5 g 8. —	25 g 31. —
	Phenol-4-sulfonic acid (4-Hydroxybenzenesulfonic acid)			
	8/21	$HOC_6H_4SO_3H$ $C_6H_6O_4S$ M_r 174.18 [98-67-9]		
77670		pract. ~65% in water + <2% Phenol + <2% H_2SO_4	1 lt ≈ 1.34 kg	250 ml 9. — 1 lt 28. —
	Phenolsulfonphthalein see 77650 Phenol Red			
	Phenolsulfonphthalein Sodium salt see 77660 Phenol Red Sodium salt			
	Phenoltetrabromophthalein-3',3''-disulfonic acid Disodium salt see 18360 Bromosulfalein			
	Phenosafranine [C.I. Nr. 50200; Sch. Nr. 958]			
		$3-NH_2C_6H_3N:C_6H_3-7-NH_2:N(CI)C_6H_5$ $C_{18}H_{15}ClN_4$ M_r 322.81 [81-93-6]		
77680		Standard Fluka; for Microscopy, Bacteriology	5 g 18. —	25 g 75. —
88580	Phenothiazine	purum >98%(S); M.P. 183-186°	250 g 10. —	1 kg 35. —
		$C_{12}H_8NS$ M_r 199.28 [92-84-2]		
77690	Phenoxazine	purum M.P. 154-156°	1 g 22. —	5 g 90. —
		$C_{12}H_8NO$ M_r 183.21 [135-67-1]		
	Phenoxyamine hydrochloride see 78725 o-Phenylhydroxylamine hydrochloride			
	4-Phenoxyaniline see 07895 4-Aminophenyl phenyl ether			
77740	Phenoxyacetic acid	puriss. >99%(T); M.P. 98-100°; Ash <0.05%	250 g 12. —	1 kg 40. —
		$C_8H_8OCH_2COOH$ $C_8H_8O_3$ M_r 152.15 [122-59-8]		
77700	3-Phenoxybenzaldehyde	purum >97%(GC); B.P. 90-92°; d_4^{20} 1.153; n_D^{20} 1.595	10 g 16. —	50 g 67. —
		$C_9H_8OC_6H_4CHO$ $C_{13}H_{10}O_2$ M_r 198.22 [39515-51-0]		
	3-Phenoxybenzaldehyde cyanohydrine			
		$C_9H_8OC_6H_4CH(OH)CN$ $C_{14}H_{11}NO_2$ M_r 225.25 [39515-47-4]		
77703		pract. ~70% in Ether; Lit.: N. Ohno et al., Agric. Biol. Chem. 38 (4), 881 (1974); preparation of highly active Pyrethroids	5 g 20. —	
77707	2-Phenoxybenzoic acid	purum >99%(T); M.P. 112-113°	100 g 22. —	500 g 90. —
		$C_8H_5OC_6H_4COOH$ $C_{13}H_{10}O_3$ M_r 214.22 [2243-42-7]		

			sFr.	sFr.
3-Phenoxybenzyl alcohol	$C_6H_5OC_6H_4CH_2OH$ $C_{13}H_{12}O_2$ M_r 200.24 [13826-35-2] purum >99%(GC); B.P. 135-140°; d_4^{20} 1.148; n_D^{20} 1.591	1 lt ≈ 1.15 kg	5 ml 17. —	25 ml 70. —
4-Phenoxybutyric acid purum	$C_6H_5OCH_2CH_2CH_2COOH$ $C_{10}H_{12}O_3$ M_r 180.21 [6303-58-8]		25 g 16. —	
2-Phenoxyethanol (Ethylene glycol monophenyl ether; Phenylglycol)	$C_6H_5OCH_2CH_2OH$ $C_8H_{10}O_2$ M_r 138.17 [122-99-6] purum >99%(GC); M.P. 11-13°; d_4^{20} 1.107; n_D^{20} 1.538	1 lt ≈ 1.11 kg	250 ml 8. —	1 lt 25. —
3-Phenoxypropyl bromide (3-Bromopropyl phenyl ether)	$C_6H_5O(CH_2)_3Br$ $C_9H_{11}BrO$ M_r 215.10 [588-63-6] pract. >95%(GC); B.P. 138° (Lit.); d_4^{20} 1.360; n_D^{20} 1.546	1 lt ≈ 1.36 kg	10 ml 14. —	50 ml 60. —
3-Phenoxytoluene (3-Methyldiphenylether)	$C_6H_5OC_6H_4CH_3$ $C_{13}H_{12}O$ M_r 184.24 [3586-14-9] purum >98%(GC); d_4^{20} 1.052; n_D^{20} 1.573	1 lt ≈ 1.05 kg	100 ml 18. —	500 ml 75. —
Phenylacetaldehyde	3/4; 87° $C_6H_5CH_2CHO$ C_8H_8O M_r 120.15 [122-78-1] pract. 50%; in Diethylphthalate; d_4^{20} 1.075; n_D^{20} 1.554; <2% free acid; store in refrigerator	1 lt ≈ 1.08 kg	100 ml 10. —	500 ml 37. —
Phenylacetaldehyde dimethylacetal	3/4; 89° $C_6H_5CH_2CH(OCH_3)_2$ $C_{10}H_{14}O_2$ M_r 166.22 [101-48-4] purum >99%(GC); B.P. 95-98°; d_4^{20} 1.004; n_D^{20} 1.494	1 lt ≈ 1.00 kg	100 ml 18. —	500 ml 55. —
N-Phenylacetamide	see 00400 Acetanilide			
Phenyl acetate	pract. >98%(GC); B.P. 193-196°; d_4^{20} 1.077; n_D^{20} 1.501 3/4; 94° $CH_3COOC_6H_5$ $C_9H_8O_2$ M_r 136.15 [122-79-2]	1 lt ≈ 1.08 kg	100 ml 7. —	500 ml 24. —
Phenylacetic acid (α -Tolylic acid)	$C_6H_5CH_2COOH$ $C_8H_8O_2$ M_r 136.15 [103-82-2] puriss. >99%(T); M.P. 76-77°; Ash <0.05%; 1 g clearly soluble in 10 ml Methanol		250 g 11. —	1 kg 38. —
Phenylacetone (Benzyl methyl ketone; Phenyl-2-propanone)	3/4; 90° $C_6H_5CH_2COCH_3$ $C_9H_{10}O$ M_r 134.18 [103-79-7] purum >98%(GC); B.P. 93-95°; d_4^{20} 1.003; n_D^{20} 1.516	1 lt ≈ 1.00 kg	100 ml 14. —	500 ml 60. —
Phenylacetonitrile	see 13300 Benzyl cyanide			
4-Phenylacetophenone	see 00939 4-Acetylbiphenyl			
Phenylacetyl chloride	8/22 $C_6H_5CH_2COCl$ C_8H_7ClO M_r 154.60 [103-80-0] purum >98%(Cl); B.P. 88-92°; d_4^{20} 1.167; n_D^{20} 1.533	1 lt ≈ 1.17 kg	100 ml 12. —	500 ml 50. —
Phenylacetylene (Ethynebenzene)	3/3; 27° $C_6H_5C\equiv CH$ C_8H_6 M_r 102.14 [536-74-3] purum >97%(Cl); B.P. 140-143°; d_4^{20} 0.930; n_D^{20} 1.549; store in refrigerator techn. ~80%(GC); d_4^{20} 0.930; n_D^{20} 1.549; store in refrigerator	1 lt ≈ 0.93 kg 1 lt ≈ 0.93 kg	25 ml 16. — 50 ml 16. —	100 ml 55. — 250 ml 67. —
trans-3-Phenyl-acrylonitrile and -acrylic acid	see 96420 and 96340 Cinnamionitrile and Cinnamic acid			
L-Phenylalanine (2-Amino-3-phenylpropionic acid)	$C_6H_5CH_2CH(NH_2)COOH$ $C_9H_{11}NO_2$ M_r 165.19 [63-91-2] puriss. p.a. $[\alpha]_{540}^{20} -40.0 \pm 1^\circ$; $[\alpha]_D^{20} -34.0 \pm 1^\circ$ (c = 2 in water) Fluka-Guarantee: Assay Other amino acids Loss on drying Residue on ignition (as SO_4) Chloride (Cl) Sulfate (SO_4)	>99.0% <0.3% <0.1% <0.1% <0.01% <0.01% <0.01%	Ammonium (NH_4) Copper (Cu) Lead (Pb) Iron (Fe) Zinc (Zn) Cadmium (Cd)	<0.01% <0.0001% <0.0001% <0.0005% <0.0001% <0.0001%
D-Phenylalanine	$C_6H_5CH_2CH(NH_2)COOH$ $C_9H_{11}NO_2$ M_r 165.19 [673-06-3] puriss. CHR >99%(NT); M.P. ~275° dec.; $[\alpha]_{540}^{20} +40.0 \pm 1^\circ$ (c = 2 in water); Ash <0.05%		5 g 21. —	25 g 90. —



		sFr.	sFr.
	DL-Phenylalanine $C_6H_5CH_2CH(NH_2)COOH$ $C_9H_{11}NO_2$ M_r 165.19 [150-30-1]		
78040	puriss. CHR >99%(NT); M.P. 271-273° dec.; Ash <0.05%; Loss on drying <0.1%	25 g 10.—	100 g 35.—
	L-Phenylalanine benzyl ester hydrochloride $C_6H_5CH_2CH(NH_2)COOCH_2C_6H_5.HCl$ $C_{16}H_{17}NO_2.HCl$ M_r 291.78 [962-39-0] (free ester)		
78060	puriss. CHR >99%(Cl); M.P. 197-200°; $[\alpha]_{546}^{20} - 32 \pm 1^\circ$; $[\alpha]_D^{20} - 25 \pm 1^\circ$ (c = 1 in 0.25n HCl)	5 g 50.—	
	L-Phenylalanine benzyl ester toluene-4-sulfonate $C_6H_5CH_2CH(NH_2)COOCH_2C_6H_5.CH_3C_6H_4SO_3H$ $C_{16}H_{17}NO_2.C_7H_6O_3S$ M_r 427.52 [1738-78-9]		
78061	puriss. >99%(T); M.P. 167-168°; $[\alpha]_{546}^{20} - 7.4 \pm 0.3^\circ$; $[\alpha]_D^{20} - 6.4 \pm 0.3^\circ$ (c = 2 in Methanol)	5 g 29.—	25 g 120.—
78075	L-Phenylalanine tert-butyl ester Dibenzenesulfimide salt puriss. $C_6H_5CH_2CH(NH_2)COOC(CH_3)_3.C_{12}H_{11}NO_4S_2$ $C_{13}H_{19}NO_2.C_{12}H_{11}NO_4S_2$ M_r 518.65 [16874-17-2] (free ester)	5 g 50.—	
	L-Phenylalanine tert-butyl ester hydrochloride $C_6H_5CH_2CH(NH_2)COOC(CH_3)_3.HCl$ $C_{13}H_{19}NO_2.HCl$ M_r 257.76 [15100-75-1]		
78080	puriss. >99%(Cl); M.P. ~240° dec.; $[\alpha]_{546}^{20} + 53 \pm 2^\circ$; $[\alpha]_D^{20} + 46.5 \pm 1^\circ$ (c = 2 in Ethanol)	1 g 25.—	5 g 105.—
	L-Phenylalanine ethyl ester hydrochloride $C_6H_5CH_2CH(NH_2)COOC_2H_5.HCl$ $C_{11}H_{15}NO_2.HCl$ M_r 229.71 [3182-93-2]		
78050	puriss. >99%(Cl); M.P. 153-155°; $[\alpha]_{546}^{20} - 8.7 \pm 0.5^\circ$ (c = 2 in water); Ash <0.05%	5 g 18.—	25 g 75.—
	L-Phenylalanine methyl ester hydrochloride $C_6H_5CH_2CH(NH_2)COOCH_3.HCl$ $C_{10}H_{13}NO_2.HCl$ M_r 215.69 [7524-50-7]		
78090	puriss. >99%(Cl); M.P. 158-160°; $[\alpha]_{546}^{20} + 45.5 \pm 1^\circ$; $[\alpha]_D^{20} + 38 \pm 1^\circ$ (c = 2 in Ethanol)	5 g 12.—	25 g 50.—
	L-Phenylalaninol (2-Amino-3-phenyl-1-propanol) $C_6H_5CH_2CH(NH_2)CH_2OH$ $C_9H_{13}NO$ M_r 151.21 [3182-95-4]		
78100	purum ~97%(NT); M.P. 89-91°; $[\alpha]_{546}^{20} - 28 \pm 2^\circ$; $[\alpha]_D^{20} - 23 \pm 2^\circ$ (c = 5 in Ethanol)	1 g 13.—	5 g 55.—
	L-Phenylalanylglycine Monohydrate $C_6H_5CH_2CH(NH_2)CONHCH_2COOH.H_2O$ $C_{11}H_{14}N_2O_3.H_2O$ M_r 240.26 [721-90-4]		
78110	puriss. CHR ~99%(NT); M.P. ~260° dec.; $[\alpha]_{546}^{20} + 117 \pm 2^\circ$; $[\alpha]_D^{20} + 100 \pm 2^\circ$ (c = 1 in water)	250 mg 17.—	1 g 60.—
78120	L-Phenylalanyl-L-phenylalanine puriss. CHR $[\alpha]_{546}^{20} + 53 \pm 1^\circ$ (c = 2 in Acetic acid) $C_6H_5CH_2CH(NH_2)CONHCH(CH_2C_6H_5)COOH.aq$ $C_{18}H_{20}N_2O_3.aq$ M_r 312.37 + aq [2577-40-4]	250 mg 23.—	1 g 85.—
	3-Phenylallyl bromide see 18080 3-Bromo-1-phenyl-1-propene		
	Phenylaminoacetic acid see 78560 N-Phenylglycine		
	2-(Phenylamino)ethanol see 54265 N-(2-Hydroxyethyl)aniline		
	2-Phenylaniline see 07110 2-Aminobiphenyl		
	4-Phenylaniline see 07130 4-Aminobiphenyl		
	N-Phenylanthranilic acid (Diphenylamine-2-carboxylic acid) $C_6H_5NHC_6H_4-2-COOH$ $C_{13}H_{11}NO_2$ M_r 213.24 [91-40-7]		
78150	puriss. p.a. >99%(T); M.P. 182-185°; Ash <0.05%; Redox-Indicator for the determination of V	10 g 12.—	50 g 50.—
78153	pract. >95%(T); M.P. 180-183°	100 g 32.—	500 g 135.—
	Phenylarsonic acid (Benzeneearsonic acid) 6.1/81i $C_6H_5AsO(OH)_2$ $C_6H_7AsO_3$ M_r 202.04 [98-05-5]		
78160	puriss. p.a. >99%(T); M.P. 162-164°; Ash <0.1%; Determination of: Bi, Co, Nb, Sn, Ta, Th, Zr; Analysis: Co, Sn, Ta	25 g 20.—	100 g 70.—
78163	techn. ~90%(T); M.P. 155-158° dec.; Ash <3%	100 g 18.—	500 g 75.—
	4-Phenylazoaniline see 06810 4-Aminoazobenzene		
	4-Phenylazoanisole see 64760 4-Methoxyazobenzene		

			sFr.	sFr.
23155	4-(Phenylazo)benzyl chloroformate [4-(Phenylazo)benzyloxycarbonyl chloride] ClCOOCH ₂ C ₆ H ₄ N:NC ₆ H ₅ C ₁₄ H ₁₁ ClN ₂ O ₂ M _r 274.71 [55592-99-9] purum >99%(Cl); M.P. 82-84°		1 g 25. —	5 g 105. —
	2-(Phenylazo)chromotropic acid Disodium salt see 27140 Chromotrop 2 R			
	1-Phenylazo-2-naphthol-6,8-disulfonic acid see 75380 and 75390 Orange G and Orange G Ammonium salt			
	4-Phenylazo-1-naphthylamine see 71110 α-Naphthyl Red hydrochloride			
	4-Phenylazophenol see 54550 4-Hydroxyazobenzene			
12801	S-Phenyl benzenethiosulfonate (Benzenethiosulfonic acid S-phenylester) C ₆ H ₅ SO ₂ SC ₆ H ₅ C ₁₂ H ₁₀ O ₂ S ₂ M _r 250.34 [1212-08-4] purum >99%(S); M.P. 42-43°; B.P. _{0.01} 125°; Sulfenylating agent with some advantages over diphenyl disulfide: B. M. Trost et al., J. Am. Chem. Soc. 98, 4887 (1976); B. M. Trost, G. S. Massiot, ibid. 99, 4405 (1977); B. M. Trost, Chem. Rev. 78, 363 (1978)		5 g 26. —	25 g 110. —
12470	Phenyl benzoate purum >98%(GC); M.P. 68-70° C ₆ H ₅ COOC ₆ H ₅ C ₁₃ H ₁₀ O ₂ M _r 198.22 [93-99-2]		100 g 20. —	500 g 85. —
	2-Phenylbenzoic acid see 14418 Biphenyl-2-carboxylic acid			
	4-Phenylbenzoic acid see 14421 Biphenyl-4-carboxylic acid			
78179	1-Phenylbiguanide purum C ₆ H ₅ NHC(:NH)NHC(:NH)NH ₂ C ₈ H ₁₁ N ₅ M _r 177.20 [102-02-3]		50 g 16. —	
78180	1-Phenylbiguanide hydrochloride (N-Guanyl-N'-phenylguanidine hydrochloride) C ₆ H ₅ NHC(:NH)NHC(:NH)NH ₂ .HCl C ₈ H ₁₁ N ₅ .HCl M _r 213.67 [55-57-2] pract. >98%Cl; M.P. 247-249°		100 g 10. —	
	2-Phenyl-5-(4-biphenyl)-1,3,4-oxadiazole see 14450 2-(4-Biphenyl)-5-phenyl-1,3,4-oxadiazole			
78181	Phenylboric acid (Benzeneboronic acid) C ₆ H ₅ B(OH) ₂ C ₆ H ₇ BO ₂ M _r 121.93 [98-80-6] purum >98%(T); M.P. 217-220°; 1 g clearly soluble in 10 ml Methanol		10 g 22. —	50 g 90. —
	1-Phenylbutane see 19600 Butylbenzene			
	2-Phenylbutane see 19620 sec-Butylbenzene			
	1-Phenyl-1,3-butanedione see 12830 Benzoylacetone			
	1-Phenyl-2-butanone see 03120 Benzyl ethyl ketone			
	4-Phenyl-2-butanone see 13150 Benzylacetone			
78220	1-Phenyl-2-butene 3/4; 71° CH ₃ CH:CHCH ₂ C ₆ H ₅ C ₁₀ H ₁₂ M _r 132.21 [1560-06-1] pract. 90-95%(GC) + isomeric Phenylbutenes; B.P. 174-176°; n _D ²⁰ 1.511	1 lt ≈ 0.89 kg	25 ml 24. —	
	trans 4-Phenyl-3-buten-2-one see 11960 Benzalacetone			
78280	4-Phenylbutylamine (1-Amino-4-phenylbutane) 8/35 C ₆ H ₅ (CH ₂) ₄ NH ₂ C ₁₀ H ₁₅ N M _r 149.24 [13214-66-9] purum >97%(GC); B.P. ₁₇ 123-124° (Lit.)	1 lt ≈ 0.94 kg	10 ml 22. —	50 ml 90. —
78242	2-Phenylbutyric acid purum >98%(T); M.P. 39-42° (α-Ethylphenylacetic acid) CH ₃ CH ₂ CH(C ₆ H ₅)COOH C ₁₀ H ₁₂ O ₂ M _r 164.21 [90-27-7]		100 g 11. —	500 g 44. —
78243	3-Phenylbutyric acid pract. >97%(T); M.P. 36-39° CH ₃ CH(C ₆ H ₅)CH ₂ COOH C ₁₀ H ₁₂ O ₂ M _r 164.21 [4593-90-2]		25 g 22. —	100 g 80. —
78250	4-Phenylbutyric acid puriss. >99%(GC); M.P. 49-51° C ₆ H ₅ (CH ₂) ₃ COOH C ₁₀ H ₁₂ O ₂ M _r 164.21 [1821-12-1]		25 g 23. —	100 g 85. —
78265	2-Phenylbutyric anhydride [CH ₃ CH ₂ CH(C ₆ H ₅)CO] ₂ O C ₂₀ H ₂₂ O ₃ M _r 310.40 [1519-21-7] purum >98%(NT); B.P. _{0.1} 132°; d ₄ ²⁰ 1.072; n _D ²⁰ 1.529	1 lt ≈ 1.07 kg	5 ml 18. —	25 ml 75. —
78300	4-Phenylbutyronitrile purum 6.1/21 C ₆ H ₅ (CH ₂) ₃ CN C ₁₀ H ₁₁ N M _r 145.21 [2046-18-6]	1 lt ≈ 0.99 kg	10 ml 10. —	50 ml 37. —
	Phenylcarbamide see 78632 N-Phenylurea			

				sFr.	sFr.
23250	Phenyl chloroformate purum >97%(T); B.P. 187° (Lit.); d_4^{20} 1.244; n_D^{20} 1.520 6.1/4 <chem>ClC(=O)OC6H5</chem> <chem>C7H5ClO2</chem> M_r 156.57 [1885-14-9]	1 lt $\approx$ 1.24 kg	100 ml 11. —	500 ml 44. —	
	2-Phenylchromone see 46370 Flavone				
	α-Phenylcinnamionitrile see 42710 2,3-Diphenylacrylonitrile				
	α-Phenyl-o-cresol see 13761 2-Benzylphenol				
	α-Phenyl-p-cresol see 13770 4-Benzylphenol				
	Phenylcyanide see 12720 Benzonitrile				
	3-Phenyl-3-cyclobutene-1,2-dione <chem>C6H5C(=O)CH2C(=O)C6H5</chem> <chem>C10H6O2</chem> M_r 158.16 [3947-97-5] puriss.; Review: A. H. Schmidt, W. Ried, Synthesis 1, 869 (1978); H. Knorr, W. Ried, Synthesis 649 (1978)		5 g 40. —		
78315	Phenylcyclohexane (Cyclohexylbenzene) 3/4; 81° <chem>C6H5CH(CH2)4CH2</chem> <chem>C12H16</chem> M_r 160.26 [827-52-1] purum >97%(GC); M.P. 4-7°; B.P. 237-239°; d_4^{20} 0.942; n_D^{20} 1.526	1 lt $\approx$ 0.94 kg	100 ml 16. —	500 ml 67. —	
	α-Phenylcyclohexanecarbonitrile see 29476 α -Cyclohexylphenylacetonitrile				
78360	N-Phenylcyclohexylamine pract. >98%(GC) (N-Cyclohexylaniline) 8/35 <chem>C6H5NHCH(CH2)4CH2</chem> <chem>C12H17N</chem> M_r 175.28 [1821-36-9]	1 lt $\approx$ 1.00 kg	100 ml 16. —	500 ml 67. —	
78365	1-Phenylcyclopentane-1-carbonitrile pract. d_4^{20} 1.024; n_D^{20} 1.532 6.1/21 <chem>C6H5C(CN)CH2CH2CH2CH2</chem> <chem>C12H13N</chem> M_r 171.24 [77-57-6]	1 lt $\approx$ 1.02 kg	25 ml 23. —	100 ml 85. —	
	N-Phenyldiethanolamine [N,N-Bis(2-hydroxyethyl)aniline; N-Phenyl-2,2'-iminodiethanol] 8/35 <chem>C6H5N(CH2CH2OH)2</chem> <chem>C10H15NO2</chem> M_r 181.24 [120-07-0] pract. $\sim$ 90%(GC); M.P. 50-55°; <10% N-(2-Hydroxymethyl)aniline		1 kg 20. —	5 kg 85. —	
	N-Phenyldiethylenediamine see 78919 N-Phenylpiperazine				
78380	N-Phenyldiisopropanolamine pract. >95%(GC) [N-Phenyl-1,1'-iminodi(2-propanol)] <chem>C6H5N[CH2CH(OH)CH3]2</chem> <chem>C12H19NO2</chem> M_r 209.29 [3077-13-2]		250 g 22. —		
	Phenyldimethylchlorosilane (Chlorodimethylphenylsilane) <chem>C6H5Si(CH3)2Cl</chem> <chem>C6H11ClSi</chem> M_r 170.72 [768-33-2] purum $\sim$ 98%(GC); B.P. 194-198°; d_4^{20} 1.026; n_D^{20} 1.508	1 lt $\approx$ 1.03 kg	5 ml 24. —	25 ml 100. —	
	Phenyl diselenide see 42944 Diphenyl diselenide				
42960	Phenyl disulfide pract. >97%(S); M.P. 59-60° (Diphenyl disulfide) <chem>C6H5SSC6H5</chem> <chem>C12H10S2</chem> M_r 218.34 [882-33-7]		25 g 9. —	100 g 28. —	
	1-Phenyldodecane see 44190 Dodecylbenzene				
	o-Phenylenediacetonitrile see 95750 o-Xylylene dicyanide				
	1,2-Phenylenediamine (1,2-Diaminobenzene) 6.1/21 <chem>C6H4(NH2)2</chem> <chem>C6H8N2</chem> M_r 108.14 [95-54-5] puriss. CHR >99%(NT); M.P. 101-103° pract. dest. >98%(NT); M.P. 100-102°		100 g 22. — 250 g 20. —	500 g 90. — 1 kg 70. —	
78410					
78412					
	1,3-Phenylenediamine (1,3-Diaminobenzene) 6.1/21 <chem>C6H4(NH2)2</chem> <chem>C6H8N2</chem> M_r 108.14 [108-45-2] puriss. >99%(NT); M.P. 61-63° pract. >98%(NT); M.P. 60-63°		100 g 28. — 250 g 10. —	500 g 120. — 1 kg 32. —	
78420					
78422					
	1,4-Phenylenediamine (1,4-Diaminobenzene) 6.1/21 <chem>C6H4(NH2)2</chem> <chem>C6H8N2</chem> M_r 108.14 [106-50-3] puriss. >99%(N); M.P. 141-143° pract. >97%(N); M.P. 137-140°		100 g 28. — 250 g 18. —	500 g 120. — 1 kg 65. —	
78429					
78430					
78440	1,2-Phenylenediamine dihydrochloride purum p.a. >99%(Cl); M.P. $\sim$ 258° dec. <chem>C6H4(NH2)2.2HCl</chem> <chem>C6H8N2.2HCl</chem> M_r 181.07 [615-28-1]		50 g 17. —	250 g 70. —	
78450	1,3-Phenylenediamine dihydrochloride puriss. p.a. >99%(Cl) <chem>C6H4(NH2)2.2HCl</chem> <chem>C6H8N2.2HCl</chem> M_r 181.07 [541-69-5]		100 g 18. —	500 g 75. —	
78460	1,4-Phenylenediamine dihydrochloride puriss. >99%(Cl) <chem>C6H4(NH2)2.2HCl</chem> <chem>C6H8N2.2HCl</chem> M_r 181.07 [624-18-0]		100 g 20. —	500 g 85. —	

				sFr.	sFr.
	1,4-Phenylenediisothiocyanate (DITC)				
	SCNC ₆ H ₄ NCS C ₆ H ₄ N ₂ S ₂ M _r 192.26 [4044-65-9]				
78480	purum >98%(N); M.P. 129-131°; Reagent for solid-phase sequencing: R.A. Larsen, M.J. Horn, A.G. Bonner, FEBS Letters 21, 67 (1972)				
				1 g 10. —	5 g 42. —
	o-Phenylene phosphorochloridate see 15926 Pyrocatechyl phosphorus oxychloride				
	2-Phenylethanethiol (2-Phenylethyl mercaptan)				
	6.1/81a C ₆ H ₅ CH ₂ CH ₂ SH C ₈ H ₁₀ S M _r 138.23 [4410-99-5]				
77990	purum >99%(GC); B.P. ₁₂ 97-100°; d ₄ ²⁰ 1.030; n _D ²⁰ 1.560				
		1 lt ≈ 1.03 kg	10 ml 20. —	50 ml 85. —	
	(±)-1-Phenylethanol (α-Methylbenzyl alcohol; Methyl phenyl carbinol; "Styrene alcohol")				
	3/4 C ₆ H ₅ CH(OH)CH ₃ C ₈ H ₁₀ O M _r 122.17 [13323-81-4]				
77850	purum >98%(GC); M.P. 19-21°; B.P. ₁₅ 94-96°; d ₄ ²⁰ 1.011; n _D ²⁰ 1.527				
		1 lt ≈ 1.01 kg	250 ml 7. —	1 lt 20. —	
	2-Phenylethanol see 77861 Phenethyl alcohol				
	N-Phenylethanamine see 54265 N-(2-Hydroxyethyl)-aniline				
42730	Phenyl ether purum >98%(GC); M.P. 24-27° (Diphenyl ether; Diphenyloxide) (C ₆ H ₅) ₂ O C ₁₂ H ₁₀ O M _r 170.21 [101-84-8]			250 g 7. —	1 kg 20. —
	2-Phenylethyl acetate				
	CH ₃ COOCH ₂ CH ₂ C ₆ H ₅ C ₁₀ H ₁₂ O ₂ M _r 164.21 [103-45-7]				
46030	purum >99%(GC); B.P. ₁₀ 105-107°; d ₄ ²⁰ 1.030; n _D ²⁰ 1.498				
		1 lt ≈ 1.03 kg	250 ml 17. —	1 lt 60. —	
	2-Phenylethyl alcohol see 77861 Phenethyl alcohol				
	R(+)-1-Phenylethylamine see 77880 D(+)-α-Methylbenzylamine				
77905	2-Phenylethylamine hydrochloride purum >99%(Cl) C ₆ H ₅ CH ₂ CH ₂ NH ₂ ·HCl C ₈ H ₁₁ N·HCl M _r 157.65 [156-28-5]			100 g 15. —	500 g 63. —
	S(-)-1-Phenylethylamine see 77870 L(-)-α-Methylbenzylamine				
	(±)-1-Phenylethylamine see 77890 DL-α-Methylbenzylamine				
	2-Phenylethylamine see 77899 Phenethylamine				
	2-(2-Phenylethyl)benzoic acid see 14336 Bibenzyl-2-carboxylic acid				
	2-Phenylethyl bromide see 77920 (2-Bromoethyl)benzene				
	2-Phenylethyl chloride see 77930 (2-Chloroethyl)benzene				
	Phenylethylene see 85959 Styrene				
	N-Phenylethylenediamine [N-(2-Aminoethyl)aniline]				
	8/35 C ₆ H ₅ NHCH ₂ CH ₂ NH ₂ C ₈ H ₁₂ N ₂ M _r 136.20 [1664-40-0]				
77940	pract. >97%(GC)				
		1 lt ≈ 1.05 kg	10 ml 28. —	50 ml 120. —	
	Phenylethylene oxide see 77950 Styrene oxide				
	Phenyl ethyl ether see 77600 Phenetole				
	R(+)-1-Phenylethylisocyanate (α-Methylbenzyl isocyanate)				
	6.1/21 C ₆ H ₅ CH(CH ₃)NCO C ₈ H ₉ NO M _r 147.18 [33375-06-3]				
77973	purum >98%(GC); n _D ²⁰ 1.513; [α] ₅₄₀ ²⁰ + 1.7±0.3° (c = 4 in Benzene); [α] ₅₄₀ ²⁰ + 8.0±0.5° (neat); very hygroscopic				
		1 lt ≈ 1.05 kg	1 ml 15. —	5 ml 63. —	
	S(-)-1-Phenylethylisocyanate				
	6.1/21 C ₆ H ₅ CH(CH ₃)NCO C ₈ H ₉ NO M _r 147.18 [14649-03-7]				
77971	purum >98%(GC); n _D ²⁰ 1.513; [α] ₅₄₀ ²⁰ - 1.7±0.3° (c = 4 in Benzene); [α] ₅₄₀ ²⁰ - 8.0±0.5° (neat); very hygroscopic				
		1 lt ≈ 1.05 kg	1 ml 15. —	5 ml 63. —	
	2-Phenylethyl isothiocyanate				
	6.1/21 C ₆ H ₅ CH ₂ CH ₂ NCS C ₈ H ₉ NS M _r 163.24 [2257-09-2]				
77972	purum ~97%(GC); B.P. _{0.25} 75°; d ₄ ²⁰ 1.092; n _D ²⁰ 1.588				
		1 lt ≈ 1.09 kg	10 ml 28. —	50 ml 120. —	
	2-Phenylethyl mercaptan see 77990 2-Phenylethanethiol				
	R(+)- and S(-)-N-(1-Phenylethyl)phthalamic acid see 65901 and 65902 R(+)- and S(-)-N-(α-Methylbenzyl)phthalic acid monoamide				
	1-(2-Phenylethyl)piperidine				
	3/4; 88° C ₆ H ₅ CH ₂ (CH ₂) ₄ NCH ₂ CH ₂ C ₆ H ₅ C ₁₃ H ₁₉ N M _r 189.30 [332-14-9]				
77995	purum >99%(GC); B.P. 272-275°; d ₄ ²⁰ 0.952; n _D ²⁰ 1.524				
		1 lt ≈ 0.95 kg	50 ml 24. —		

			sFr.	sFr.
	2-Phenylethyl propyl ketone see 78000 1-Phenyl-3-hexanone			
	"3-Phenyl-3-fluorone" (9-Phenyl-2,6,7-trihydroxy-3-fluorone; 2,6,7-Trihydroxy-9-phenyl-3H-xanthen-3-one) 2,3-(HO) ₂ C ₆ H ₂ OC ₆ H ₂ -6-(O)-7-(OH):C ₆ H ₅ C ₁₉ H ₁₂ O ₅ M _r 320.30 [975-17-7] p.a. M.P. >300°; λ _{max} 542 nm, log ε 4.52; Z. anal. Chem. 260, 306 (1972); Spectrophotometr. determ. of Titanium(III)			
78550			5 g 18.—	25 g 75.—
	N-Phenylformamide see 47712 Formanilide			
	Phenyl formate 6.1/13 HCOOC ₆ H ₅ C ₇ H ₆ O ₂ M _r 122.12 [1864-94-4] purum ~65% (GC) + 35% Phenol (Equilibrium-Mixture); d ₄ ²⁰ 1.09; n _D ²⁰ 1.532; "Useful reagent for converting amines to their N-formyl derivatives"; H. L. Yale, J. Org. Chem. 36, 3238 (1971)			
06557		1 lt ≈ 1.10 kg	5 ml 18.—	25 ml 75.—
	Phenyl-β-D-galactopyranoside HOCH ₂ CH(CHOH) ₃ CH(OC ₆ H ₅)O C ₁₂ H ₁₆ O ₆ M _r 256.26 [2818-58-8] purum M.P. 146-148°; [α] _D ²⁰ -50±2°; [α] _D ²⁰ -42±2° (c = 2.3 in water); store in refrigerator			
78552			1 g 20.—	5 g 85.—
	Phenyl-β-D-glucopyranoside HOCH ₂ CH(CHOH) ₃ CH(OC ₆ H ₅)O C ₁₂ H ₁₆ O ₆ M _r 256.26 [1464-44-4] purum M.P. 173-175°; [α] _D ²⁰ -86±2°; [α] _D ²⁰ -73±2° (c = 1 in water); store in refrigerator			
78554			1 g 10.—	5 g 42.—
	Phenyl glycidyl ether (2,3-Epoxypropyl phenyl ether) C ₆ H ₅ OCH ₂ CHCH ₂ O C ₉ H ₁₀ O ₂ M _r 150.18 [122-60-1] pract. >95% (GC); B.P. 245-247°; d ₄ ²⁰ 1.113; n _D ²⁰ 1.531			
78556		1 lt ≈ 1.11 kg	250 ml 17.—	1 lt 60.—
	N-Phenylglycine (Anilinoacetic acid; Phenylamino acetic acid) C ₆ H ₅ NHCH ₂ COOH C ₈ H ₉ NO ₂ M _r 151.17 [103-01-5] purum >99% (T); M.P. 121-123°			
78560			25 g 21.—	100 g 75.—
	D(-)-α-Phenylglycine (α-Aminophenylacetic acid) C ₆ H ₅ CH(NH ₂)COOH C ₈ H ₉ NO ₂ M _r 151.17 [875-74-1] puriss. >99% (NT); M.P. 300-305° dec.; [α] _D ²⁰ -185±2°; [α] _D ²⁰ -154±2° (c = 1 in 1N HCl); Ash <0.05%			
78570			25 g 16.—	100 g 55.—
78580	DL-α-Phenylglycine purum >98% (NT); M.P. >300° C ₆ H ₅ CH(NH ₂)COOH C ₈ H ₉ NO ₂ M _r 151.17 [2835-06-5]		100 g 14.—	500 g 60.—
	Phenylglycol see 77699 2-Phenoxyethanol			
	Phenylglyoxaldoxime see 59010 ω-Isonitrosoacetophenone			
	Phenylglyoxal Hydrate C ₆ H ₅ COCHO.H ₂ O C ₈ H ₆ O ₂ .H ₂ O M _r 152.15 [1074-12-0] purum cryst. M.P. 72-76°; <1% Phenylglyoxylic acid; Specific reagent for arginine: C. Bagentoff, B. L. Curne, H. Sievertsson, Jaw-Kang Chang, K. Folkers, Biochem. Biophys. Res. Commun. 44, 403 (1971)			
78600			5 g 15.—	25 g 63.—
	Phenylglyoxylic acid see 78610 Benzoylformic acid			
	Phenylglyoxylonitrile see 12961 Benzoyl cyanide			
	1-Phenyl-1-heptyne (1-Pentyl-2-phenylacetylene) C ₆ H ₅ C≡C(CH ₂) ₄ CH ₃ C ₁₃ H ₁₆ M _r 172.27 [14374-45-9] purum >98% (GC)			
78650		1 lt ≈ 0.90 kg	5 ml 17.—	25 ml 70.—
	1-Phenylhexane see 53159 Hexylbenzene			
	1-Phenyl-3-hexanone (2-Phenylethyl propyl ketone) C ₆ H ₅ CH ₂ CH ₂ COCH ₂ CH ₂ CH ₃ C ₁₂ H ₁₆ O M _r 176.26 [29898-25-7] pract. ~95% (GC); B.P. 263° (Lit.)			
78000		1 lt ≈ 0.96 kg	10 ml 40.—	
	2-Phenylhydracrylic acid see 93540 Tropic acid			
	Phenylhydrazine 3/4; 89° C ₆ H ₅ NHNH ₂ C ₆ H ₈ N ₂ M _r 108.14 [100-63-0] puriss. p.a. >99% (GC); M.P. 19-21°; B.P. _{0.05} 52-53°; d ₄ ²⁰ 1.098; n _D ²⁰ 1.608			
78670		1 lt ≈ 1.10 kg	100 ml 22.—	500 ml 90.—
78672	purum redest. >97% (GC); M.P. 18-20°; d ₄ ²⁰ 1.098; n _D ²⁰ 1.607	1 lt ≈ 1.10 kg	250 ml 14.—	1 lt 50.—
78673	pract. ~95% (NT)	1 lt ≈ 1.10 kg	500 ml 21.—	2.5 lt 90.—

				sFr.	sFr.
Phenylhydrazine hydrochloride					
	$C_6H_5NHNH_2 \cdot HCl$	$C_6H_5N_2 \cdot HCl$	M_r 144.60 [59-88-1]		
78690	puriss. p.a. >99%(Cl); for Sugar analysis; M.P. 240-250° dec.; Ash <0.05%			100 g 15. —	500 g 63. —
Phenylhydrazine-4-sulfonic acid Hemihydrate (4-Hydrazinobenzenesulfonic acid)					
	$NH_2NHC_6H_4SO_3H \cdot \frac{1}{2}H_2O$	$C_6H_5N_2O_3S \cdot \frac{1}{2}H_2O$	M_r 197.22 [98-71-5]		
78720	puriss. >99%(T); M.P. ~295° dec.			25 g 21. —	100 g 75. —
78722	techn.			250 g 24. —	1 kg 90. —
O-Phenylhydroxylamine hydrochloride (Phenoxyamine hydrochloride)					
	$C_6H_5ONH_2 \cdot HCl$	$C_6H_7NO \cdot HCl$	M_r 145.59 [6092-80-4]		
78725	puriss. >97%(Cl); M.P. 133-134° dec.			1 g 65. —	
55963	Phenyl 1-hydroxy-2-naphthoate purum M.P. 94-96°			100 g 25. —	500 g 105. —
	$HOC_{10}H_6COOC_6H_5$	$C_{17}H_{12}O_3$	M_r 264.28 [132-54-7]		
N-Phenyl-2,2'-iminodiethanol see 78370 N-Phenyldiethanolamine					
N-Phenyl-1,1'-iminodi(2-propanol) see 78380 N-Phenyldiisopropanolamine					
78730	2-Phenyl-1,3-indandione purum M.P. 147-149°			25 g 12. —	100 g 40. —
	$C_6H_4COCH(C_6H_5)CO$	$C_{15}H_{10}O_2$	M_r 222.25 [83-12-5]		
78740	2-Phenylindole purum			100 g 15. —	500 g 63. —
	$C_6H_4NHC(C_6H_5):CH$	$C_{14}H_{11}N$	M_r 193.25 [948-65-2]		
Phenyl isocyanate					
	6.1/21; 51°	C_6H_5NCO	C_7H_5NO	M_r 119.12 [103-71-9]	
78750	puriss. p.a. >99%(GC); B.P., 62-64°; d_4^{20} 1.093; n_D^{20} 1.536			1 lt ≈ 1.09 kg	100 ml 18. —
78752	pract. >98%(GC); B.P. 160-164°; d_4^{20} 1.093; n_D^{20} 1.536			1 lt ≈ 1.09 kg	250 ml 17. —
					500 ml 75. —
					1 lt 60. —
Phenyl isocyanate 4-sulfonyl chloride (4-Isocyanatobenzenesulfo chloride)					
	6.1/21	$OCNC_6H_4SO_2Cl$	$C_7H_4ClNO_3S$	M_r 217.63 [6752-38-1]	
78760	purum >99%(T)			5 g 50. —	
β-Phenylisosuccinic acid see 13530 Benzylmalonic acid					
Phenyl isothiocyanate (PITC)					
	6.1/21	C_6H_5NCS	C_7H_5NS	M_r 135.19 [103-72-0]	
78781	for sequential analysis			1 lt ≈ 1.13 kg	1 ml 10. —
78780	puriss. p.a. >99%(GC); M.P. -20--18°; B.P., 93-94°;			1 lt ≈ 1.13 kg	100 ml 32. —
	d_4^{20} 1.13; n_D^{20} 1.649			1 lt ≈ 1.13 kg	500 ml 135. —
78782	pract. dest. >98%(GC); B.P. 218° (Lit.); d_4^{20} 1.132; n_D^{20} 1.650			1 lt ≈ 1.13 kg	500 ml 75. —
2-Phenyllactic acid see 11310 Atrolactic acid Hemihydrate					
L-(—)-3-Phenyllactic acid					
	$C_6H_5CH_2CH(OH)COOH$	$C_9H_{10}O_3$	M_r 166.18 [20312-36-1]		
78842	purum >99%(T); M.P. 138-140°; $[\alpha]_{540}^{20} -25 \pm 1^\circ$; $[\alpha]_D^{20} -21 \pm 1^\circ$ (c = 1 in water)			1 g 20. —	5 g 85. —
78840	DL-3-Phenyllactic acid purum >97%(T); M.P. 95-98° (2-Hydroxy-3-phenylpropionic acid)			1 g 15. —	5 g 63. —
	$C_6H_5CH_2CH(OH)COOH$	$C_9H_{10}O_3$	M_r 166.18 [828-01-3]		
Phenyl lithium (Lithiumphenyl)					
	3/1a	C_6H_5Li	M_r 84.05 [591-51-5]		
78790	~1.4 m Solution in Benzene/Ether 70/30%; store in refrigerator			1 lt ≈ 0.88 kg	100 ml 30. —
78795	N-Phenylmaleimide purum ~98%(N); M.P. 89-90°			10 g 15. —	50 g 63. —
	$C_6H_5NCOCH:CHCO$	$C_{10}H_7NO_2$	M_r 173.17 [941-69-5]		
Phenylmalonic acid					
	$C_6H_5CH(COOH)_2$	$C_9H_8O_4$	M_r 180.16 [2613-89-0]		
78798	purum >99%(T); M.P. 149-152° dec.; 1 g clearly soluble in 10 ml Methanol			50 g 16. —	250 g 67. —
Phenyl mercaptan see 89021 Thiophenol					
(Phenylmercapto)acetic acid [(Phenylthio)acetic acid; S-Phenylthioglycolic acid; Thiophenoxyacetic acid]					
	$C_6H_5SCH_2COOH$	$C_8H_8O_2S$	M_r 168.22 [103-04-8]		
78810	purum >99%(T); M.P. 62-64°			50 g 16. —	250 g 67. —
1-Phenyl-5-mercaptotetrazole (5-Mercapto-1-phenyltetrazole; 1-Phenyltetrazoline-5-thione)					
	$C_6H_5NN:NNHCS$	$C_7H_5N_4S$	M_r 178.22 [86-93-1]		
78820	purum p.a. >97%(RT); M.P. ~150° dec.; Z. anal. Chem. 261, 151 (1972); for spectrometr. determination of Palladium			25 g 22. —	100 g 80. —

					sFr.	sFr.
79120	Phenylmercury acetate purum >99% (Hg); M.P. 149-151° (Mercury phenyl acetate) 6.1/81f $C_6H_5HgOCOCH_3$ $C_6H_5HgO_2$ M_r 336.74 [62-38-4]				50 g 12.—	250 g 50.—
79130	Phenylmercury borate purum M.P. 120-124° dec.; contains ~10% water 6.1/81f $C_6H_5HgBO_2$ $C_6H_5BHgO_2$ M_r 320.51 [31224-71-2]				25 g 17.—	100 g 60.—
79132	Phenylmercury chloride purum M.P. ~250° 6.1/53 C_6H_5HgCl C_6H_5ClHg M_r 313.15 [100-56-1]				50 g 18.—	250 g 75.—
79135	Phenylmercury nitrate purum basic Ph. Helv.; M.P. 183-187° dec. 6.1/81f $C_6H_5HgNO_3$ C_6H_5HgOH M_r 634.41 [55-68-5]				50 g 20.—	250 g 85.—
78826	Phenylmethanesulfonyl chloride (α -Toluenesulfonyl chloride) 8/12 $C_6H_5CH_2SO_2Cl$ $C_7H_7ClO_2S$ M_r 190.65 [1939-99-7] puriss. >99% (Cl); M.P. 91-93°				5 g 17.—	25 g 70.—
78830	Phenylmethane sulfonyl fluoride (α -Toluenesulfonyl fluoride) 6.1/81g $C_6H_5CH_2SO_2F$ $C_7H_7FO_2S$ M_r 174.20 [329-98-6] puriss. biochim. M.P. 91-93°; inhibitor for trypsin and chymotrypsin, but not for cholineesterase Substitute for diisopropylfluorophosphate, but less dangerous: D. E. Fahrney and A. M. Groid, J. Am. Chem. Soc. 85, 997 (1963)			1 g 11.—	5 g 34.—	25 g 145.—
α-Phenylmorpholinoacetonitrile see 69891 α -Morpholinophenylacetonitrile						
78850	2-Phenylnaphthalene $C_6H_5C_{10}H_7$ $C_{16}H_{12}$ M_r 204.27 [612-94-2] purum >98%; M.P. 103-104°; λ_{max} 250 nm, log ϵ 4.70; λ_{max} 286 nm, log ϵ 4.00				5 g 18.—	25 g 75.—
78870	N-Phenyl-2-naphthylamine techn. M.P. 105-108° [N-(2-Naphthyl)aniline] $C_{10}H_7NHC_6H_5$ $C_{16}H_{13}N$ M_r 219.29 [135-88-6]				250 g 8.—	1 kg 22.—
1-Phenylnonane see 74410 Nonylbenzene						
1-Phenyloctane see 75010 Octylbenzene						
1-Phenylpentane see 77080 Pentylbenzene						
2-Phenylpentane see 77083 sec-Pentylbenzene						
13840	1-Phenyl-2-pentanone (Benzyl propyl ketone) 3/4; 100° $C_6H_5CH_2COCH_2CH_2CH_3$ $C_{11}H_{14}O$ M_r 162.23 [6683-92-7] purum >97% (GC); B.P. 243-244°; d_4^{20} 0.97; n_D^{20} 1.506			1 lt $\approx$ 0.97 kg	25 ml 16.—	
78901	5-Phenyl-1-pentyne purum >99% (GC) 3/4; 90° $C_6H_5CH_2CH_2CH_2C\equiv CH$ $C_{11}H_{12}$ M_r 144.22 [1823-14-9]			1 lt $\approx$ 0.92 kg	5 ml 40.—	
78910	4-Phenylphenacyl bromide (ω -Bromo-4-phenylacetophenone) 6.1/23c $C_6H_5C_6H_4COCH_2Br$ $C_{14}H_{11}BrO$ M_r 275.15 [135-73-9] puriss. p.a. >99% (Br); M.P. 124-125°				10 g 20.—	50 g 85.—
2-Phenylphenol see 54890 2-Hydroxybiphenyl						
4-Phenylphenol see 54900 4-Hydroxybiphenyl						
2-Phenylphenol Sodium salt see 54911 2-Hydroxybiphenyl Sodium salt Tetrahydrate						
N-Phenyl-1,2-phenylenediamine see 07900 2-Aminodiphenylamine						
N-Phenyl-1,4-phenylenediamine see 07910 4-Aminodiphenylamine						
Phenyl phosphate Disodium salt see 71900 di-Sodium phenyl phosphate						
78912	Phenylphosphinic acid pract. >97% (T); M.P. 83-85°; Ash ~3% $C_6H_5P(O)(OH)H$ $C_6H_7O_2P$ M_r 142.10 [121-70-0] + [1779-48-2]				100 g 9.—	500 g 34.—
78913	Phenylphosphonic acid purum >98% (T); M.P. 162-164° $C_6H_5P(O)(OH)_2$ $C_6H_7O_3P$ M_r 158.10 [1571-33-1]				100 g 13.—	500 g 55.—
Phenylphosphonic dichloride see 36242 P,P-Dichlorophenylphosphine oxide						
Phenylphosphonous dichloride see 36240 P,P-Dichlorophenylphosphine						
78919	1-Phenylpiperazine (N-Phenyldiethylenediamine) 8/35 $C_6H_5NCH_2CH_2NHCH_2CH_2$ $C_{10}H_{14}N_2$ M_r 162.24 [92-54-6] pract. ~95% (GC); B.P. 286° (Lit.); d_4^{20} 1.068; n_D^{20} 1.588			1 lt $\approx$ 1.07 kg	25 ml 16.—	100 ml 55.—
78920	techn. >85% (GC); d_4^{20} 1.065; n_D^{20} 1.586			1 lt $\approx$ 1.06 kg	50 ml 18.—	250 ml 75.—

sFr.

sFr.

Phenyl-(4-piperidyl)methane see 13820 4-Benzylpiperidine**2-Phenylpropanal** see 53790 Hydratropaldehyde**1-Phenylpropane** see 82119 Propylbenzene**2-Phenyl-2-propanol** (α,α -Dimethylbenzyl alcohol; Dimethyl phenyl carbinol) $(\text{CH}_3)_2\text{C}(\text{OH})\text{C}_6\text{H}_5$ $\text{C}_9\text{H}_{12}\text{O}$ M_r 136.20 [617-94-7]

78940 purum >99%(GC); M.P. 28-31°; B.P. 118-90°; For the synthesis of PPOC-amino acids; more economically prepared than BPOC-amino acids; an advantage in comparison with BOC is the use of only 1-2% TFA/ CH_2Cl_2 for deprotection: B. E. B. Sandberg, U. Ragnarsson, Int. J. Peptide Res. 6, 111 (1974)

10 g 13. —

50 g 55. —

3-Phenyl-1-propanol (Hydrocinnamyl alcohol; 3-Phenylpropyl alcohol) $\text{C}_6\text{H}_5(\text{CH}_2)_3\text{OH}$ $\text{C}_9\text{H}_{12}\text{O}$ M_r 136.20 [122-97-4]79000 purum >98%(GC); B.P. 119-121°; d_4^{20} 1.001; n_D^{20} 1.5261 lt $\approx$ 1.00 kg

250 ml 18. —

1 lt 65. —

DL-Phenylpropanolamine hydrochloride (DL-Norephedrine hydrochloride) $\text{C}_6\text{H}_5\text{CH}(\text{OH})\text{CH}(\text{NH}_2)\text{CH}_3 \cdot \text{HCl}$ $\text{C}_9\text{H}_{13}\text{NO} \cdot \text{HCl}$ M_r 187.67 [154-41-6]

78955 purum N.F. >99%(Cl); M.P. 194-196°; Ash <0.1%

100 g 18. —

500 g 75. —

Phenyl-2-propanone see 13600 Phenylacetone**Phenylpropargyl aldehyde diethyl acetal** (Phenylpropionic aldehyde diethyl acetal) $\text{C}_6\text{H}_5\text{C}(\text{CCH}(\text{OC}_2\text{H}_5)_2)$ $\text{C}_{13}\text{H}_{16}\text{O}_2$ M_r 204.27 [6142-95-2]78965 pract. >95%(GC); B.P. 99-100°; d_4^{20} 0.998; n_D^{20} 1.5171 lt $\approx$ 1.00 kg

5 ml 18. —

25 ml 75. —

trans-3-Phenyl-2-propenal see 96320 Cinnamaldehyde**trans-1-Phenyl-1-propene** (trans- β -Methylstyrene; trans-Propenylbenzene)3/3; 58° $\text{C}_6\text{H}_5\text{CH}(\text{CHCH}_3)$ C_9H_{10} M_r 118.18 [873-66-5]78970 purum >99%(GC); B.P. 175° (Lit.); d_4^{20} 0.906; n_D^{20} 1.5501 lt $\approx$ 0.91 kg

5 ml 26. —

25 ml 110. —

2-Phenylpropene see 69170 α -Methylstyrene monomer**3-Phenyl-1-propene** see 05840 Allylbenzene**3-Phenyl-2-propen-1-ol** see 96330 Cinnamyl alcohol

78982 **Phenylpropionic acid** purum >98%(T); M.P. 135-137°; 1 g clearly soluble in 10 ml Methanol
 $\text{C}_6\text{H}_5\text{CH}_2\text{CH}_2\text{COOH}$ $\text{C}_9\text{H}_8\text{O}_2$ M_r 146.15 [637-44-5]

5 g 16. —

25 g 67. —

Phenylpropionic aldehyde diethyl acetal see 78965 Phenylpropargyl aldehyde diethyl acetal**2-Phenylpropionaldehyde** see 53790 Hydratropaldehyde**3-Phenylpropionaldehyde** (Hydrocinnamaldehyde)3/4; 95° $\text{C}_6\text{H}_5\text{CH}_2\text{CH}_2\text{CHO}$ $\text{C}_9\text{H}_{10}\text{O}$ M_r 134.18 [104-53-0]56660 pract. $\sim$ 90-95%(GC); B.P. 224-226°; d_4^{20} 1.015; n_D^{20} 1.5231 lt $\approx$ 1.02 kg

100 ml 30. —

500 ml 125. —

56670 **3-Phenylpropionic acid** purum >99%(T); M.P. 48-49° (Hydrocinnamic acid)
 $\text{C}_6\text{H}_5\text{CH}_2\text{CH}_2\text{COOH}$ $\text{C}_9\text{H}_{10}\text{O}_2$ M_r 150.18 [501-52-0]

100 g 28. —

500 g 120. —

3-Phenylpropyl alcohol see 79000 3-Phenyl-1-propanol**3-Phenylpropylamine** (γ -Aminopropylbenzene)8/35; 91° $\text{C}_6\text{H}_5(\text{CH}_2)_3\text{NH}_2$ $\text{C}_9\text{H}_{13}\text{N}$ M_r 135.21 [2038-57-5]79010 purum >98%(GC); B.P. 112-114°; d_4^{20} 0.947; n_D^{20} 1.5261 lt $\approx$ 0.95 kg

10 ml 16. —

50 ml 67. —

3-Phenylpropyl bromide see 79020 1-Bromo-3-phenylpropane**Phenyl propyl ketone** see 20770 Butyrophenone**1-Phenyl-2-propyn-1-ol** (1-Hydroxy-1-phenyl-2-propyn; Ethynylphenylcarbinol) $\text{CH}_3\text{CCH}(\text{OH})\text{C}_6\text{H}_5$ $\text{C}_9\text{H}_8\text{O}$ M_r 132.16 [4187-87-5]78980 purum >97%(GC); M.P. 22-24°; B.P. 231-233°; d_4^{20} 1.066;
 n_D^{20} 1.5521 lt $\approx$ 1.07 kg

50 ml 24. —

1-Phenyl-3-pyrazolidinone $\text{C}_6\text{H}_5\text{NCH}_2\text{CH}_2\text{CONH}$ $\text{C}_9\text{H}_{10}\text{N}_2\text{O}$ M_r 162.21 [92-43-3]

79070 purum >98%(N) Photoquality; M.P. 119-121°; 1 g clearly soluble in 10 ml Methanol

100 g 35. —

				sFr.	sFr.
	Phenyl 2-pyridyl ketone see 13060 2-Benzoylpyridine				
	Phenyl 4-pyridyl ketone see 13080 4-Benzoylpyridine				
79110	1-Phenylpyrrole purum			10 g 18.—	
	$C_6H_5NCH:CHCH:CH$ $C_{10}H_9N$ M_r 143.19 [635-90-5]				
	Phenylpyruvic acid (2-Oxophenylpropionic acid)				
	$C_6H_5CH_2COCOOH$ $C_9H_8O_3$ M_r 164.16 [156-06-9]				
78190	puriss. ~99%(T); M.P. 150-154°; store in refrigerator			5 g 24.—	25 g 100.—
	Phenylpyruvic acid Sodium salt anhydrous (Sodium phenylpyruvate)				
	$C_6H_5CH_2COCOONa$ $C_9H_7NaO_3$ M_r 186.14 [114-76-1]				
78200	puriss. >99%(NT); store in refrigerator			5 g 24.—	25 g 100.—
	Phenyl salicylate				
	$HOC_6H_4COOC_6H_5$ $C_{13}H_{10}O_3$ M_r 214.22 [118-55-8]				
84340	purum >98%(GC); M.P. 41-43°; B.P. ₁₂ 175° (Lit.); 1 g clearly and colourless soluble in 10 ml Dioxane			100 g 7.—	500 g 21.—
	Phenylselenomethyl trimethylsilane (Trimethylsilyl methylphenyl selenide)				
	3/4; 95° $C_6H_5SeCH_2Si(CH_3)_3$ $C_{10}H_{16}SeSi$ M_r 243.28 [56253-60-2]				
79137	purum >99%(GC); B.P. ₆ 106°; d_4^{20} 1.176; n_D^{20} 1.552; A synthetic equivalent of formyl carbanion: K. Sachdev, H. S. Sachdev, Tetrahedron Lett. 4223 (1976); H. J. Reich, S. K. Shah, J. Org. Chem. 42, 1773 (1977); D. van Ende et al., J. Organomet. Chem. 149, C10 (1978)		1 lt ≈ 1.18 kg	5 ml 55.—	
	Phenylselenenyl chloride (Benzeneselenenyl chloride)				
	6.1/81f C_6H_5SeCl C_6H_5ClSe M_r 191.52 [5707-04-0]				
79138	pract. M.P. 59-60°; A phenylselenenylating agent; Review: D. L. J. Clive, Tetrahedron 34, 1049 (1978); H. J. Reich, Acc. Chem. Res. 12, 22 (1979)			5 g 18.—	25 g 75.—
79140	1-Phenylsemicarbazide purum >99%(N); M.P. 171-174°			100 g 18.—	500 g 75.—
	$NH_2CONHNHC_6H_5$ $C_7H_9N_3O$ M_r 151.17 [103-03-7]				
79150	4-Phenylsemicarbazide puriss. p.a. ~99%(N); M.P. 123-125°			10 g 14.—	50 g 60.—
	$C_6H_5NHCONHNH_2$ $C_7H_9N_3O$ M_r 151.17 [537-47-3]				
	3-Phenylserine Monohydrate (2-Amino-3-hydroxy-3-phenylpropionic acid)				
	$C_6H_5CH(OH)CH(NH_2)COOH \cdot H_2O$ $C_9H_{11}NO \cdot H_2O$ M_r 199.20 [69-96-5]				
79170	puriss. CHR; >99%(NT); M.P. 202-208° dec.			10 g 15.—	50 g 63.—
	4-Phenylstyrene see 94910 4-Vinylbiphenyl				
78170	Phenylsuccinic acid purum >99%(T); M.P. 166-168°; Ash <0.1%			50 g 18.—	250 g 75.—
	$HOOCCH_2CH(C_6H_5)COOH$ $C_{10}H_{10}O_4$ M_r 194.19 [635-51-8]				
	Phenyl sulfide (Diphenyl sulfide)				
	6.1/81a $(C_6H_5)_2S$ $C_{12}H_{10}S$ M_r 186.28 [139-66-2]				
43320	purum >99%(GC); B.P. _{0.1} 96-100°; d_4^{20} 1.117; n_D^{20} 1.633		1 lt ≈ 1.12 kg	25 ml 18.—	100 ml 65.—
43330	Phenyl sulfone pract. ~97%(S); M.P. 126-128° (Diphenyl sulfone)			250 g 10.—	1 kg 32.—
	$(C_6H_5)_2SO_2$ $C_{12}H_{10}O_2S$ M_r 218.28 [127-63-9]				
43335	Phenyl sulfoxide purum M.P. 68-70° (Diphenyl sulfoxide)			25 g 14.—	100 g 50.—
	$(C_6H_5)_2SO$ $C_{12}H_{10}OS$ M_r 202.28 [945-51-7]				
	1-Phenyltetrazoline-5-thione see 78820 1-Phenyl-5-mercaptotetrazole				
	(Phenylthio)acetic acid see 78810 (Phenylmercapto)acetic acid				
	Phenylthioethylene see 79290 Phenyl vinyl sulfide				
	S-Phenylthioglycolic acid see 78810 Phenylmercaptoacetic acid				
	Phenylthiohydantoins of amino acids see 09420 Amino acid phenylthiohydantoins				
79190	1-Phenylthiosemicarbazide puriss. p.a. M.P. ~200° dec.			25 g 33.—	
	$NH_2CSNHNHC_6H_5$ $C_7H_9N_3S$ M_r 167.23 [645-48-7]				
	4-Phenylthiosemicarbazide				
	$C_6H_5NHCSNHNH_2$ $C_7H_9N_3S$ M_r 167.23 [5351-69-9]				
79200	puriss. p.a. >99%(NT); M.P. 138-140°; Ash <0.05%; 1 g clearly soluble in 20 ml Methanol			10 g 13.—	50 g 55.—

sFr.

sFr.

Phenylthiotrimethylsilane (S-Trimethylsilyl thiophenol)

$C_6H_5SSi(CH_3)_3$ $C_9H_{14}SSi$ M_r 182.36 [4551-15-9]

79222 purum >98%(GC); B.P.₁₂ 93-99°; d_4^{20} 0.967; n_D^{20} 1.535; Reagent for the conversion of aldehydes into phenylsulfides: R. S. Glass, Synth. Commun. 6, 47 (1976); for a selective carbonyl protection under exceptionally mild conditions: D. A. Evans et al., J. Am. Chem. Soc. 99, 5009 (1977); for the preparation of unsymmetrical phenyl disulfides: D. N. Harpp et al., J. Org. Chem. 43, 3481 (1978)

1 lt ≈ 0.97 kg

25 ml 50. —

79180 **N-Phenylthiourea** purum ~97%(S); M.P. 145-150°; Ash <0.05%
6.1/81d $C_6H_5NHCSNH_2$ $C_7H_9N_2S$ M_r 152.15 [103-85-5]

100 g 8. —

500 g 26. —

3-Phenyltoluene see 65930 3-Methylbiphenyl

4-Phenyl-1,2,4-triazolidine-3,5-dione see 79280 4-Phenylurazole

4-Phenyl-4H-1,2,4-triazoline-3,5-dione

$C_6H_5NCON:NCO$ $C_8H_5N_3O_2$ M_r 175.15 [4233-33-4]

79225 purum >98%(N); M.P. 165-170° dec.; store in refrigerator; The most reactive dienophile known; L. Fieser, M. Fieser, "Reagents for Organic Synthesis", 1, 849; 2, 324; 3, 223; 4, 381; 5, 528; 6, 467

1 g 20. —

g 85. —

Phenyl(tribromomethyl)mercury [(Tribromomethyl)mercuriobenzene]

6.1/81f $C_6H_5HgCBr_3$ $C_7H_5Br_3Hg$ M_r 529.44 [3294-60-8]

79227 purum ~97%(Hg); M.P. ~120° dec.; "Dibromocarbene precursor"; D. Seyferth, Accounts Chem. Res. 5, 65 (1972)

5 g 40. —

25 g 165. —

Phenyl(trichloromethyl)mercury [(Trichloromethyl)mercuriobenzene]

6.1/81f $C_6H_5HgCCl_3$ $C_7H_5Cl_3Hg$ M_r 396.07 [3294-57-3]

79228 purum M.P. 114-116°; store in refrigerator

5 g 40. —

25 g 165. —

Phenyltrichlorosilane (Trichlorophenylsilane)

8/23b; 91° $C_6H_5SiCl_3$ $C_6H_5Cl_3Si$ M_r 211.55 [98-13-5]

79230 purum >98%(Cl); B.P.₁₁ 100-101°; d_4^{20} 1.318; n_D^{20} 1.523
79232 pract. >95%; B.P. 195-205°

1 lt ≈ 1.32 kg

100 ml 10. —

500 ml 42. —

1 lt ≈ 1.32 kg

250 ml 14. —

1 lt 50. —

(±)-1-Phenyl-2,2,2-trifluoroethanol

$CF_3CH(C_6H_5)OH$ $C_8H_7F_3O$ M_r 176.14 [340-04-5]

79234 purum >98%(GC); B.P.₂ 57-59°; d_4^{20} 1.297; n_D^{20} 1.462

1 lt ≈ 1.30 kg

5 ml 24. —

25 ml 100. —

9-Phenyl-2,6,7-trihydroxy-3-fluorone see 78550 9-Phenyl-3-fluorone

Phenyltrimethylammonium bromide (Trimethylphenylammonium bromide)

$(CH_3)_3N(Br)C_6H_5$ $C_9H_{14}BrN$ M_r 216.13 [16056-11-4]

79250 purum >98%(Br); M.P. 217-219° dec.; for the selective and quantitative Precipitation of Gold and Thallium; Anal. Chem. 44, 1513 (1972)

50 g 13. —

250 g 55. —

Phenyltrimethylammonium bromide dibromide (Phenyltrimethylammonium bromide-perbromide; Phenyltrimethylammonium tribromide; Trimethylphenylammonium tribromide)

$(CH_3)_3N(Br)_3C_6H_5$ $C_9H_{14}Br_3N$ M_r 375.95 [4207-50-1]

79253 purum >97%(RT); M.P. 110-115° dec.; 1 g clearly soluble in 10 ml Dioxane

25 g 16. —

100 g 55. —

Phenyltrimethylammonium chloride (Trimethylphenylammonium chloride)

$(CH_3)_3N(Cl)C_6H_5$ $C_9H_{14}ClN$ M_r 171.67 [138-24-9]

79263 purum >97%(Cl); 1 g clearly soluble in 10 ml water

100 g 8. —

500 g 29. —

Phenyltrimethylammonium hydroxide 25% in water

$(CH_3)_3N(OH)C_6H_5$ $C_9H_{15}NO$ M_r 153.23 [1899-02-1]

79267 purum d_4^{20} 1.032; n_D^{20} 1.397

1 lt ≈ 1.03 kg

100 ml 25. —

500 ml 105. —

4-Phenylurazole (4-Phenyl-1,2,4-triazolidine-3,5-dione)

$C_6H_5NCONHNHCO$ $C_8H_7N_3O_2$ M_r 177.16 [15988-11-1]

79280 purum >98%(N); M.P. 207-209°; Precursor of 79224 4-Phenyl-4H-1,2,4-triazoline-3,5-dione: Org. Synth. 51, 121 (1971); H. Wamhoff, K. Wald, Org. Prep. Proc. Inf. 7, 251 (1975)

10 g 18. —

50 g 75. —

N-Phenylurea (Phenylcarbamide)

$C_6H_5NHCONH_2$ $C_7H_9N_2O$ M_r 136.15 [64-10-8]

78632 pract. >98%(N); M.P. 146-148°; 1 g clearly soluble in 100 ml water

100 g 10. —

500 g 42. —

			sFr.	sFr.
79284	5-Phenyl-n-valeric acid purum >99%(T); M.P. 59-62°; 1 g clearly soluble in 10 ml Methanol $C_6H_5(CH_2)_3CH_2COOH$ $C_{11}H_{14}O_2$ M_r 178.23 [2270-20-4]		5 g 11.—	25 g 46.—
79290	Phenylvinyl sulfide (Phenylthioethylene) $C_6H_5SCH:CH_2$ C_8H_8S M_r 136.20 [1822-73-7] purum >99%(GC); B.P. ₁₀ 74°; d_4^{20} 1.043; n_D^{20} 1.589; Reagent for the preparation of 1,4-diketones and α,β -unsaturated ketones from aldehydes: R. C. Cookson, P. J. Parsons, J. C. S. Chem. Comm. 990 (1976), 821 (1978); starting material for the synthesis of dithio-, thioseleno-, thiosilyl- and thiostannyl-keten acetals: B. Harirchian, P. Magnus, J. C. S. Chem. Comm. 522 (1977)	1 lt $\approx$ 1.04 kg	5 ml 29.—	25 ml 120.—
79295	Phenylvinyl sulfoxide $C_6H_5SOCH:CH_2$ C_8H_8OS M_r 152.22 [20451-53-0] purum >97%(GC); B.P. ₁₀ 84-86°; d_4^{20} 1.155; n_D^{20} 1.282; A vinyl carbonyl ion synthetic equivalent: G. A. Koppel, M. D. Kinnick, J. C. S. Chem. Comm. 473 (1975); acetylene equivalent in Diels-Alder cycloadditions: L. A. Paquette et al., J. Am. Chem. Soc. 100, 1597 (1978)	1 lt $\approx$ 1.16 kg	5 ml 18.—	25 ml 75.—
	Phlorectic acid see 56190 3-(4-Hydroxyphenyl)propionic acid			
79320	Phlorizin Dihydrate $C_{21}H_{24}O_{10} \cdot 2H_2O$ M_r 472.45 [60-81-1] purum CHR >98%(UV); $[\alpha]_{546}^{20} -62 \pm 2^\circ$; $[\alpha]_D^{20} -50 \pm 2^\circ$ (c = 3.2 in Ethanol)		250 mgf 9.—	1 g 30.—
	Phloracetophenone see 91930 2,4,6-Trihydroxyacetophenone			
	Phloroglucine monomethylether see 37478 3,5-Dihydroxyanisol			
79330	Phloroglucinol (1,3,5-Trihydroxybenzene) $C_6H_3(OH)_3 \cdot 2H_2O$ $C_6H_6O_3 \cdot 2H_2O$ M_r 162.14 [6099-90-7] puriss. p.a. $\sim$ 98%(UV); M.P. 215-218°; diresorcinol free		25 g 11.—	100 g 38.—
79340	Phloroglucinolcarboxaldehyde (2,4,6-Trihydroxybenzaldehyde) $(HO)_3C_6H_2CHO \cdot aq$ $C_7H_6O_4 \cdot aq$ M_r 154.12 + aq [487-70-7] purum $\sim$ 90%(T) + $\sim$ 10% H_2O		5 g 35.—	25 g 145.—
	Phloroglucinolcarboxylic acid see 91942 2,4,6-Trihydroxybenzoic acid			
	Phloxine B see 28550 Cyanosine			
79360	Phorone (sym. Diisopropylidenacetone; 2,6-Dimethyl-2,5-heptadien-4-one) 3/4; 85° $(CH_3)_2C:CHCOCH:C(CH_3)_2$ $C_9H_{14}O$ M_r 138.21 [504-20-1] pract. $\sim$ 95%(GC); M.P. 23-26°; B.P. 197° (Lit.); store in refrigerator		250 g 29.—	1 kg 105.—
79372	Phosgene 2/3at; 4° $COCl_2$ CCl_2O M_r 98.92 [75-44-5] puriss. >99% + 0.005% Cl_2 + 0.02% HCl	Cyl. with 0.4 lt, net $\sim$ 500 g	160.—	
79374		Cyl. with 3 lt, net $\sim$ 3.3 kg	320.—	(price of gas 200.—)
79376		Cyl. with 10 lt, net $\sim$ 12.0 kg	760.—	(price of gas 520.—)
79380	6.1/4; 4° purum 20% in Toluene ($\sim$ 2 mol/lt); store in refrigerator	1 lt $\approx$ 0.95 kg	500 ml 24.—	1 lt 45.—
	"Phosgeniminium chloride" see 35941 Dichloromethylenedimethylimmonium chloride			
79392	Phosphatase alkaline ex calf intestine (EC 3.1.3.1) (Alkaline Phosphatase) [9001-78-9] $\sim$ 1 U/mg; 1 U: that amount of enzyme catalyzing the liberation of 1 μ mol phenol per minute at pH 8.8 and 25°; store in refrigerator		250 mg 22.—	1 g 80.—
79410	Phosphatase acid form Wheat germ (EC 3.1.3.2) (Acid Phosphatase from Wheat Germ) [9001-77-8] purum 15 U/mg; salt free; lyophilized; store in refrigerator		250 mg 22.—	1 g 80.—
	Phosphatidic acid... , Phosphatidyl choline... and Phosphatidyl ethanolamine... see the list Lipids in the green part and individual compounds under the appropriate fatty acid or alcohol radicals			
94210	Phosphinic acid purum $\sim$ 50%(T); d_4^{20} 1.210 (Hypophosphorous acid) $HP(OH)_2$ H_3O_2P M_r 66.00 [6303-21-5]	1 lt $\approx$ 1.21 kg	100 ml 10.—	500 ml 37.—
27640	O-Phosphocolamine (2-Aminoethyl phosphate; Colaminphosphoric acid; O-Phosphorylethanolamine) $NH_2CH_2CH_2OPO_3H_2$ $C_2H_6NO_4P$ M_r 141.06 [1071-23-4] puriss. >99%(T); M.P. 237-240°		5 g 8.—	25 g 26.—

			sFr.	sFr.
	Phosphoenolpyruvic acid Tris(cyclohexylamine) salt, PEP-3CHA			
	$\text{CH}_2\text{:C}(\text{OPO}_3\text{H}_2)\text{COOH} \cdot 3\text{C}_6\text{H}_{11}\text{NH}_2$ $\text{C}_3\text{H}_5\text{O}_6\text{P} \cdot 3\text{C}_6\text{H}_{13}\text{N}$ M_r 465.58			
	[35556-70-8]			
79430	puriss. cryst. >98%; PEP (M_r 168.0) 35.4% (enzymatic)		100 mg 20. —	
	6-Phosphogluconic acid Barium salt, 6-PG-Ba (D-Gluconate 6-phosphate Barium salt)			
	$[\text{OOC}(\text{CHOH})_4\text{CH}_2\text{OPO}_3]_2\text{Ba}_3 \cdot \text{aq}$ $\text{C}_{12}\text{H}_{20}\text{Ba}_3\text{O}_{20}\text{P}_2 \cdot \text{aq}$ M_r 958.25 + aq			
	[921-62-0] (free acid)			
79450	purum ~85%(NT); H_2O ~15%; store in refrigerator		1 g 40. —	
	D-2-Phosphoglyceric acid Barium salt, 2-PG-Ba (D-Glycerate 2-phosphate Barium salt)			
	$\text{HOCH}_2\text{CH}(\text{COOH})\text{OPO}_3\text{Ba} \cdot \text{H}_2\text{O}$ $\text{C}_3\text{H}_5\text{BaO}_7\text{P} \cdot \text{H}_2\text{O}$ M_r 339.38			
	[3443-58-1] (free acid)			
79480	purum $[\alpha]_{540}^{20} + 7.0 \pm 0.5^\circ$ ($c = 1$ in 1n HCl); store in refrigerator		250 mg 29. —	1 g 105. —
	D-3-Phosphoglyceric acid Barium salt, 3-PG-Ba (D-Glycerate 3-phosphate Barium salt)			
	$\text{HOOCCH}(\text{OH})\text{CH}_2\text{OPO}_3\text{Ba} \cdot 2\text{H}_2\text{O}$ $\text{C}_3\text{H}_5\text{BaO}_7\text{P} \cdot 2\text{H}_2\text{O}$ M_r 357.41			
	[53823-72-6]			
79490	purum ~97%(NT); M.P. >300°; $[\alpha]_{540}^{20} - 8.2 \pm 0.5^\circ$ ($c = 2$ in 1n HCl); store in refrigerator		5 g 29. —	25 g 105. —

Phosphoglycerides see
"Lipids, Glycerides and Phosphoglycerides" green section

Phospholipids see
"Lipids, Glycerides and Phosphoglycerides" green section

Phosphomolybdic acid (Molybdophosphoric acid)					
8/12	$\text{H}_3[\text{P}(\text{Mo}_3\text{O}_{10})_4] \cdot \text{aq}$ $\text{H}_3\text{Mo}_{12}\text{O}_{40}\text{P} \cdot \text{aq}$ M_r 1825.25 + aq [51429-74-4]				
79560	puriss. p.a. Reagent for Microscopy		25 g 12. —	100 g 40. —	
	Fluka-Guarantee:				
	Loss on drying	21-23%	Iron (Fe)	<0.002%	
	Chloride (Cl)	<0.005%	Zinc (Zn)	<0.001%	
	Sulfate (SO_4)	<0.01 %	Calcium (Ca)	<0.01 %	
	Copper (Cu)	<0.001%	Ammonium (NH_4)	<0.003%	
	Lead (Pb)	<0.002%			
Phosphomolybdic acid Ammonium salt (Ammonium-12-molybdophosphate; Ammonium phosphomolybdate; Molybdenephosphoric acid Ammonium salt)					
	$(\text{NH}_4)_3\text{PMo}_{12}\text{O}_{40} \cdot \text{aq}$ $\text{C}_{12}\text{Mo}_{12}\text{N}_3\text{O}_{40}\text{P} \cdot \text{aq}$ M_r 2008.40 + aq [54723-94-3]				
79561	purum p.a.		100 g 40. —	500 g 170. —	
Phosphonitrilic chloride (Hexachlorocyclotriphosphatriene; 1,3,5,2,4,6-Triazatriphosphorine-					
8/11a	2,2,4,4,6,6-hexachloride)				
	$(\text{PNCl}_2)_n$ M_r (115.88) $_n$ [26085-02-9]				
79562	pract. M.P. 100-105°; B.P. $_{13}$ 127°		10 g 16. —	50 g 67. —	
Phosphonoacetic acid P,P-diethyltrimethylsilyl ester see 79520 Trimethylsilyl diethylphosphonoacetate					
Phosphonoacetic acid P,P-dimethyltrimethylsilyl ester see 79523 Trimethylsilyl dimethylphosphonoacetate					
3-Phosphonopropionic acid (2-Carboxyethanephosphonic acid)					
	$\text{C}_3\text{H}_7\text{O}_5\text{P}$ M_r 154.05 [5962-42-5]				
79526	pract. >98%(T); M.P. 168-170°; 1 g clearly and colourless soluble in 20 ml water		500 g 42. —		
Phosphoric acid (Orthophosphoric acid)					
8/41	H_3PO_4 $\text{H}_3\text{O}_4\text{P}$ M_r 98.00 [7664-38-2]				
79620	puriss. p.a.		1 lt $\approx$ 1.70 kg	500 ml 10. —	1 lt 18. — 2.5 lt 40. —
	Fluka-Guarantee:				
	Assay	>85.0 %	Heavy metal (as Pb)	<0.001 %	
	Sulfate (SO_4)	<0.002 %	Arsenic (As)	<0.0001%	
	Chloride (Cl)	<0.0002%	Sodium (Na)	<0.05 %	
	Nitrate (NO_3)	<0.0005%	Potassium (K)	<0.005 %	
	Phosphite and Hypophosphite (as H_3PO_3)		<0.01 %		



				sFr.	sFr.
Phosphoric acid (continue)					
79622	puriss. p.a. cryst. M.P. 39-41°			500 g 11.—	1 kg 20.—
	Fluka-Guarantee:				
	Assay	>98.0 %	Zinc (Zn)	<0.005%	
	Chloride (Cl)	<0.0005%	Cadmium (Cd)	<0.001%	
	Nitrate (NO ₃)	<0.0005%	Sodium (Na)	<0.05 %	
	Phosphite and		Potassium (K)	<0.005%	
	Hypophosphite	<0.005 %	Manganese (Mn)	<0.001%	
	Copper (Cu)	<0.001 %	Nickel (Ni)	<0.001%	
	Lead (Pb)	<0.005 %	KMnO ₄ reducing parts		
	Iron (Fe)	<0.005 %	(as O)	<0.01 %	
79623	purum p.a.		1 lt ≈ 1.70 kg	1 lt 14.—	2.5 lt 31.—
	Fluka-Guarantee:				
	Assay (as H ₃ PO ₄)	84-85%	Lead (Pb)	<0.005%	
	Chloride (Cl)	<0.005%	Iron (Fe)	<0.005%	
	Sulfate (SO ₄)	<0.005%	Zinc (Zn)	<0.005%	
	Copper (Cu)	<0.005%	Calcium (Ca)	<0.005%	
79615	meta-Phosphoric acid purum in pieces ~60%			100 g 11.—	500 g 44.—
	8/21 (HPO ₃) _n [37267-86-0]				

Phosphoric acid 2-cyanoethyl ester Barium salt see 28310 2-Cyanoethyl phosphate Barium salt Dihydrate

Phosphoric acid dibutyl ester see 34810 Dibutyl phosphate

Phosphoric acid diisopropyl ester fluoride see 38399 Diisopropyl fluorophosphate

Phosphoric acid diphenyl ester azide see 79627 Diphenyl phosphoryl azide

Phosphoric acid mono-(4-nitrophenylester) bis(2-ethyl-2-amino-1,3-propanediol) salt
see 73733 4-Nitrophenylphosphate-bis(2-ethyl-2-amino-1,3-propanediol) salt

Phosphoric acid triisobutylester see 92035 Triisobutyl phosphate

Phosphoric acid tris-(8-quinolyl ester) see 91055 Triquinol-8-yl-phosphate

Phosphoric acid tripyrrolidide see 93404 Tris(N,N-tetramethylene)phosphoric acid triamide

79540	Phosphorus acid puriss. p.a. cryst.		100 g 7.—	500 g 15.—	1 kg 28.—
	6.1/81a H ₃ PO ₃ M _r 82.00 [13598-36-2]				
	Fluka-Guarantee:				
	Assay	>99.0 %	Zinc (Zn)	<0.001 %	
	Chloride (Cl)	<0.005 %	Calcium (Ca)	<0.005 %	
	Sulfate (SO ₄)	<0.002 %	Sodium (Na)	<0.005 %	
	Nitrate (NO ₃)	<0.001 %	Potassium (K)	<0.005 %	
	Copper (Cu)	<0.0005%	Manganese (Mn)	<0.005 %	
	Lead (Pb)	<0.002 %	Nickel (Ni)	<0.001 %	
	Iron (Fe)	<0.001 %	Cadmium (Cd)	<0.0005%	

Phosphorus acid diethyltrimethylsilylester see 32578 Diethyl trimethylsilylphosphite

Phosphorus(III) bromide see 79660 Phosphorus tribromide

Phosphorus(III) chloride see 79670 Phosphorus trichloride

Phosphorus(V) chloride see 79590 Phosphorus pentachloride

Phosphorus(V) oxide see 79610 Phosphorus pentoxide

Phosphorus oxychloride					
8/11a	POCl ₃ Cl ₃ OP M _r 153.33 [10025-87-3]				
79580	purum >98% (Cl); B.P. 105-110°; d ₄ ²⁰ 1.675; n _D ²⁰ 1.461; may form some precipitate on standing		1 lt ≈ 1.68 kg	250 ml 8.—	1 lt 22.—
79590	Phosphorus pentachloride purum p.a. [Phosphorus(V) chloride]			500 g 10.—	1 kg 16.—
	8/12 PCl ₅ Cl ₅ P M _r 208.24 [10026-13-8]				
	Fluka-Guarantee:				
	Assay	>98.0 %	Iron (Fe)	<0.005%	
	Sulfate (SO ₄)	<0.005%	Zinc (Zn)	<0.005%	
	Copper (Cu)	<0.005%	Calcium (Ca)	<0.005%	
	Lead (Pb)	<0.005%			

				sFr.	sFr.
79595	Phosphorus pentafluoride pract. 2/13 PF_5 F_5P M_r 125.96 [7647-19-0]	Cyl. with ~220 g	880. —		
79600	Phosphorus pentasulfide purum p.a. dest. M.P. 280-284° [Phosphorus(V) sulfide] 4.1/8 P_2S_5 M_r 222.27 [1314-80-3] Fluka-Guarantee: Assay >98.0 % Iron (Fe) <0.02 % Copper (Cu) <0.005% Zinc (Zn) <0.005% Lead (Pb) <0.005% Calcium (Ca) <0.005%		250 g 7. — 1 kg 13. —		
	Phosphorus pentoxide Dessicant [Phosphorus(V) oxide; Phosphoric anhydride] 8/12 P_2O_5 O_5P_2 M_r 141.94 [1314-56-3] Drying agent on inert support for desiccator without moisture indicator 79610 79612 purum	500 g 8. —	100 g 8. — 1 kg 14. —	500 g 26. — 5 kg 63. —	
79530	Phosphorus red amorphous purum 4.1/8 P A_r 30.98 [7723-14-0]		250 g 9. —	1 kg 28. —	
	Phosphorus sesquisulfide ("Phosphorustrisulfide"; Tetraphosphorustrisulfide) 4.1/8 P_4S_3 M_r 220.09 [1314-85-8] 79650 pract. M.P. 167-170°		250 g 10. —	1 kg 35. —	
	Phosphorus(V) sulfide see 79600 Phosphorus pentasulfide				
	Phosphorus thiochloride 8/22 PSCl_3 Cl_3PS M_r 169.40 [3982-91-0] 79655 purum ~97% (Cl); B.P. 122-124°; d_4^{20} 1.635; n_D^{20} 1.556	1 lt ≈ 1.64 kg	100 ml 8. —	500 ml 26. —	
	Phosphorus tribromide [Phosphorus(III) bromide] 8/11b PBr_3 Br_3P M_r 270.70 [7789-60-8] 79660 purum >98% (Br); d_4^{20} 2.88; may become turbid 79663 pract. >96% (Br); d_4^{20} 2.88; may become turbid	1 lt ≈ 2.88 kg 1 lt ≈ 2.88 kg	50 ml 8. — 100 ml 10. —	250 ml 26. — 500 ml 37. —	
	Phosphorus trichloride [Phosphorus(III) chloride] 8/11a PCl_3 Cl_3P M_r 137.33 [7719-12-2] 79670 pract. >98% (Cl); B.P. 74-78°; d_4^{20} 1.574	1 lt ≈ 1.57 kg	1 lt 16. —		
	Phosphorustriphenyl see 93090 Triphenylphosphine				
	"Phosphorustrisulfide" see 79650 Phosphorus sesquisulfide				
	O-Phosphorylethanol see 27640 Phosphocolamine				
	DL-Phosphoserine Monohydrate (DL-Serine monophosphoric acid) $\text{H}_2\text{O}_3\text{POCH}_2\text{CH}(\text{NH}_2)\text{COOH} \cdot \text{H}_2\text{O}$ $\text{C}_3\text{H}_8\text{NO}_6\text{P} \cdot \text{H}_2\text{O}$ M_r 203.09 [17885-08-4] 79710 puriss. ~99% (NT)		10 g 15. —	50 g 63. —	
	Phosphotungstic acid (Tungstophosphoric acid) 8/21 $\text{P}_2\text{O}_5 \cdot 24\text{WO}_3 \cdot 44\text{H}_2\text{O}$ M_r 6500.73 [12067-99-1] 79690 puriss. p.a. Reagent for Microscopy Fluka-Guarantee: Chloride (Cl) <0.005 % Zinc (Zn) <0.005% Sulfate (SO_4) <0.005 % Sodium (Na) <0.02 % Nitrate (NO_3) <0.002 % Potassium (K) <0.02 % Copper (Cu) <0.0005% Ammonium (NH_4) <0.002% Lead (Pb) <0.002 % Loss on ignition <17.0 % Iron (Fe) <0.002 %	25 g 8. —	100 g 22. —	500 g 90. —	
	pH strips see Indicator strips				
	o-Phthalaldehyde see 79760 Phthalaldialdehyde				
	Phthalaldehydic acid (2-Carboxybenzaldehyde) $\text{OHCC}_6\text{H}_4\text{COOH}$ $\text{C}_8\text{H}_6\text{O}_3$ M_r 150.14 [119-67-5] 79730 purum >99% (T); M.P. 97-99°; 1 clearly soluble in 10 ml Methanol		25 g 9. —	100 g 30. —	
	1,4-Phthalazedione see 79930 N,N'-Phthaloylhydrazine (sym.)				
	Phthalazine see 12795 Benzo[d]pyridazine				
79749	Phthalazone purum M.P. 183-185° (Benzo[d]pyridazin-1(2H)-one) $\text{C}_8\text{H}_4\text{CH:NNHCO}$ $\text{C}_8\text{H}_6\text{N}_2\text{O}$ M_r 146.15 [119-39-1]		100 g 30. —		



P

				sFr.	sFr.
	Phthaldialdehyde (Benzene-1,2-dicarboxaldehyde; OPTA; o-Phthalaldehyde; o-Phthalic dicarboxaldehyde) $C_6H_4(CHO)_2$ $C_8H_6O_2$ M_r 134.14 [643-79-8]				
79760	puriss. p.a. M.P. 54-56°; Phthalic acid ~0.5%; for the fluorimetric determination of His and other amino acids and cholesterol: H. D. Hill jr., G. K. Summer and D. A. Newton, Clin. Chim. Acta 36, 105 (1972); A. Zlatkis, B. Zak, Anal. Biochem. 29, 143 (1969); M. Roth, Anal. Chem. 43, 880 (1971); and substitute for ninhydrin in the detection of primary amines: J. R. Benson, P. G. Mare, Proc. Natl. Acad. Sci. US 72, 619 (1975)			5 g 15. —	10 g 28. — 50 g 120. —
	Phthalein Purple see 64000 o-Cresolphthalein complexone				
	Phthalic acid (Benzene-1,2-dicarboxylic acid) $C_6H_4(COOH)_2$ $C_8H_6O_4$ M_r 166.14 [88-99-3]				
80010	puriss. p.a. Fluka-Guarantee: Assay (potentiometr.) >99.5 % Sulfate (SO ₄) <0.002% Sulfate Ash <0.02 % Heavy metals (as Pb) <0.001% Chloride (Cl) <0.001%			100 g 7. —	500 g 13. — 1 kg 28. —
80011	purum >99%(T); 1 g clearly soluble in 10 ml Methanol				1 kg 15. —
	Phthalic acid Monopotassium salt see 60360 Potassium hydrogen phthalate				
80020	Phthalic anhydride purum M.P. 129-131°; Phthalic acid ~1% $C_6H_4(COO)_2$ $C_8H_4O_3$ M_r 148.12 [85-44-9]			1 kg 10. —	5 kg 34. —
79770	Phthalide purum >95%(UV); M.P. 72-74° $C_6H_4CH_2O_2$ $C_8H_6O_2$ M_r 134.14 [87-41-2]			100 g 18. —	500 g 75. —
79780	Phthalimide puriss. ~99%(N); M.P. 232-234° 6.1/21 $C_6H_4CONHCO$ $C_8H_5NO_2$ M_r 147.14 [85-41-6]			250 g 7. —	1 kg 15. —
79790	Phthalimide Potassium salt purum >99%(NT) (Potassium phthalimide) $C_6H_4CONKCO$ $C_8H_4KNO_2$ M_r 185.23 [1074-82-4]			100 g 16. —	500 g 67. —
	2-Phthalimidoethanol see 54440 N-(2-Hydroxyethyl)phthalimide				
	Phthalimidomethanol see 55740 N-(Hydroxymethyl)phthalimide				
	Phthalimido sulfide see 88522 N,N'-Thiobisphthalimide				
79810	Phthalocyanine Standard Fluka $C_{32}H_{18}N_8$ M_r 514.25 [574-93-6]			1 g 12. —	5 g 50. —
	Phthalocyanine Blue see 61215 Copper phthalocyanine				
	Phthalonitrile (1,2-Dicyanobenzene) $C_6H_4(CN)_2$ $C_8H_4N_2$ M_r 128.13 [91-15-6]				
80150	puriss. M.P. 139-141°; 0.5 g clearly soluble in 10 ml Benzene; precursor of the appropriate amidate: M. J. Hunter and M. L. Ludwig, J. Am. Chem. Soc. 84, 3491 (1962); G. E. Davies and G. R. Stark, Proc. Natl. Acad. Sci. US 66, 651 (1970)			100 g 25. —	
80152	pract. M.P. 137-139°			250 g 9. —	1 kg 30. —
	Phthaloyl chloride (o-Phthaloyl dichloride) 8/22 $C_6H_4(COCl)_2$ $C_8H_4Cl_2O_2$ M_r 203.03 [88-95-9]				
79830	purum dest. ~98%(Cl); M.P. 6-12°; B.P. 131-135°; d_4^{20} 1.405; n_D^{20} 1.568			1 lt ≈ 1.41 kg	100 ml 22. — 500 ml 90. —
79850	N-Phthaloylglycine puriss. >99%(T); M.P. 193-195°; Ash <0.05% $OCC_6H_4CONCH_2COOH$ $C_{10}H_7NO_4$ M_r 205.17 [4702-13-0]			25 g 13. —	100 g 45. —
	N,N'-Phthaloylhydrazine (sym.) (2,3-Dihydro-1,4-phthalazinedione; Phthalhydrazide) $C_8H_4CONHNHCO$ $C_8H_6N_2O_2$ M_r 162.15 [1445-69-8]				
79930	purum M.P. 342-345°			100 g 22. —	500 g 90. —
	N,N-Phthaloylhydrazine (unsym.) see 09251 N-Aminophthalimide				
79940	N-Phthaloyl-L-leucine puriss. M.P. 120-121°; $[\alpha]_{540}^{20} -24 \pm 1^\circ$ (c = 5 in Ethanol) $OCC_6H_4CONCH(CH_2CH(CH_3)_2)COOH$ $C_{14}H_{19}NO_4$ M_r 261.28 [2419-38-7]			5 g 20. —	
79980	N-Phthaloyl-L-phenylalanine puriss. $OCC_6H_4CONCH(CH_2C_6H_5)COOH$ $C_{17}H_{15}NO_4$ M_r 295.30 [5123-55-7]			5 g 40. —	



sFr.

sFr.

Physostigmine see 45710 Eserine

Physostigmine salicylate see 45720 Eserine salicylate

80180 **Phytic acid** techn. ~40% in water; Ash ~5% (Inositol-hexaphosphoric acid)
 $C_6H_{10}O_{24}P_6$ M_r 650.04 [83-86-3] 50 g 17. — 250 g 70. —

Phyto-Homagglutinin see 61764 and 61765 Lecitin from Phaseolus Vulgaris

Phytohormones see
"Hormones(Factors)-other than Steroids" green section

Phytol (3,7,11,15-Tetramethyl-2-hexadecen-1-ol)
 $(CH_3)_2CH(CH_2)_3CH(CH_3)(CH_2)_3CH(CH_3)(CH_2)_3C(CH_3):CHCH_2OH$ $C_{20}H_{40}O$
 M_r 296.54 [150-86-7]

80191 techn. ~80%(GC); B.P. 202-204°; d_4^{20} 0.859; n_D^{20} 1.466 1 lt ≈ 0.86 kg 25 ml 31. — 100 ml 115. —

3-Phytymenadione see 95271 Vitamin K₁

Picolinaldehyde see 82710 Pyridine-2-carboxaldehyde

80310 **2-Picolinamide** purum >98%(N); M.P. 103-105°; 1 g clearly soluble in 10 ml Methanol
 $N:C(CONH_2)CH:CHCH:CH$ $C_6H_6N_2O$ M_r 122.13 [1452-77-3] 10 g 28. — 50 g 120. —

2-Picoline (α) (2-Methylpyridine)
3/3; 29° $N:C(CH_3)CH:CHCH:CH$ C_6H_7N M_r 93.13 [109-06-8]

80221 purum >98%(GC); B.P. 127-129°; d_4^{20} 0.944; n_D^{20} 1.500 1 lt ≈ 0.94 kg 250 ml 8. — 1 lt 22. —

3-Picoline (β) (3-Methylpyridine)
3/3; 37° $N:CHC(CH_3):CHCH:CH$ C_6H_7N M_r 93.13 [108-99-6]

80230 pract. ~97%(GC); B.P. 141-144°; d_4^{20} 0.954; n_D^{20} 1.504 1 lt ≈ 0.95 kg 250 ml 10. — 1 lt 32. —

4-Picoline (γ) (4-Methylpyridine)
3/3; 39° $N:CHCH:C(CH_3)CH:CH$ C_6H_7N M_r 93.13 [108-89-4]

80240 pract. >98%(GC); B.P. 142-145°; d_4^{20} 0.956; n_D^{20} 1.506 1 lt ≈ 0.96 kg 250 ml 8. — 1 lt 25. —

4-Picoline-laurylsulfate (4-Picoline-dodecylsulfate)
 $CH_3(CH_2)_{10}CH_2OSO_3HN:N:CHCH:C(CH_3)CH:CH$ $C_{19}H_{33}NO_4S$ M_r 359.53

80250 purum; Used in conjunction with tris-laurylsulfate to provide a second resolving system for two dimensional electrophoresis: A. G. Booth, Biochem. J. 163, 165-168 (1977) 5 g 42. —

2-Picoline-N-oxide pract. ~97%(GC); store in refrigerator
 $ON:C(CH_3)CH:CHCH:CH$ C_6H_7NO M_r 109.13 [931-19-1]

80260 100 g 22. — 500 g 90. —

3-Picoline-N-oxide purum >98%(GC); M.P. 37-39°; store in refrigerator
 $ON:CHC(CH_3):CHCH:CH$ C_6H_7NO M_r 109.13 [1003-73-2]

80270 100 g 25. — 500 g 105. —

4-Picoline-N-oxide purum >98%(NT); M.P. 182-184°; store in refrigerator
 $ON:CHCH:C(CH_3)CH:CH$ C_6H_7NO M_r 109.13 [1003-67-4]

80280 50 g 12. — 250 g 50. —

2-Picolinic acid (Pyridine-2-carboxylic acid)
 $N:C(COOH)CH:CHCH:CH$ $C_6H_5NO_2$ M_r 123.11 [98-98-6]

80290 purum >98%(T); M.P. 135-137°; 1 g clearly soluble in 10 ml water 100 g 25. — 500 g 105. —

3-Picolinic acid see 72310 Nicotinic acid

4-Picolinic acid see 58930 Isonicotinic acid

3-Picolylamine (3-Aminomethylpyridine)
8/35 $N:CHC(CH_2NH_2):CHCH:CH$ $C_6H_8N_2$ M_r 108.14 [3731-52-0]

80360 purum ~99%(GC); B.P. 224-226°; d_4^{20} 1.069; n_D^{20} 1.551 1 lt ≈ 1.07 kg 100 ml 25. — 500 ml 105. —

Picric acid [C.I. Nr. 10305; Sch. Nr. 9] (2,4,6-Trinitrophenol)
 $(NO_2)_3C_6H_2OH$ $C_6H_3N_3O_7$ M_r 229.11 [88-89-1]

80450 puriss. p.a. M.P. 121-122°; moistened with 40% water; for Microscopy (Fixing agent Hist.) 100 g 8. — 500 g 26. —

Fluka-Guarantee:			
Assay	>99.0 %	Iron (Fe)	<0.001%
Chloride (Cl)	<0.005%	Zinc (Zn)	<0.001%
Sulfate (SO ₄)	<0.001%	Calcium (Ca)	<0.002%
Copper (Cu)	<0.001%	Ash (as SO ₄)	<0.02 %
Lead (Pb)	<0.005%		

80452 purum >98(T; dry); M.P. 120-121°; moistened with 40% water 250 g 10. — 500 g 18. — 1 kg 35. —



				sFr.	sFr.
	Picrolonic acid [3-Methyl-4-nitro-1-(4-nitrophenyl)-2-pyrazolin-5-one] 4-NO ₂ C ₆ H ₄ NH:C(CH ₃)CH(NO ₂)CO C ₁₀ H ₈ N ₄ O ₅ M _r 264.20 [550-74-3]				
80460	puriss. p.a. M.P. 120° dec.; Ash <0.1%; Determination: Ca, Mg, Pb, Sr, Th; Detection: Ca, Cu, Hg, Na, Sr			5 g 26.—	10 g 50.—
	Picrotoxin (Cocculin) 6.1/81g C ₃₀ H ₃₄ O ₁₃ M _r 602.37 [124-87-8]				
80410	purum M.P. 199-201°; [α] ₅₄₀ ²⁰ -40±2°; [α] _D ²⁰ -31±2° (c = 1 in Ethanol); 1 g clearly soluble in 10 ml Methanol			1 g 9.—	5 g 32.—
80470	Picryl-N-aminocarbazyl puriss. M.P. ~230° dec.; free Radical 5.1/9 (NO ₂) ₃ C ₆ H ₂ N.NC ₆ H ₄ C ₆ H ₄ C ₁₈ H ₁₀ N ₅ O ₆ M _r 392.31 [3685-38-9]			1 g 75.—	
	Pimelic acid (Dicarboxylic acid C ₇ ; Heptanedioic acid) HOOC(CH ₂) ₅ COOH C ₇ H ₁₂ O ₄ M _r 160.17 [111-16-0]				
80500	purum >99%(GC); M.P. 103-105°; 1 g clearly soluble in 10 ml Methanol			50 g 21.—	250 g 90.—
	Pimelonitrile (Pentamethylenedicyanide; 1,5-Dicyanopentane) 6.1/21 NC(CH ₂) ₅ CN C ₇ H ₁₀ N ₂ M _r 122.17 [646-20-8]				
80530	purum >97%(GC); B.P. 155-160°; d ₄ ²⁰ 0.947; n _D ²⁰ 1.442	1 lt ≈ 0.95 kg	25 ml 14.—	100 ml 50.—	
	Pinacol anhydrous (2,3-Dimethyl-2,3-butanediol; Tetramethylethylene glycol) HOC(CH ₃) ₂ C(CH ₃) ₂ OH C ₆ H ₁₄ O ₂ M _r 118.18 [76-09-5]				
80580	purum >99%(GC); M.P. 40-43°		100 g 20.—	500 g 85.—	
	Pinacolone see 39800 3,3-Dimethyl-2-butanone				
	Pinacoline alcohol see 39800 3,3-Dimethyl-2-butanol				
	Pinacrytol Yellow [6-Ethoxy-1-methyl-2-(3-nitro-β-styryl)quinolinium methyl sulfate] C ₂₁ H ₂₂ N ₂ O ₇ S M _r 446.48 [25910-85-4]				
80540	purum M.P. ~265° dec.; Photoquality		1 g 15.—	5 g 63.—	
	Pinacyanol iodide [C.I. Nr. 808 (1924); Sch. Nr. 924] (1,1'-Diethyl-2,2'-carbocyanine iodide; Quinaldine Blue) C ₂₅ H ₂₅ IN ₂ M _r 480.40 [605-91-4]				
80560	puriss. ~98%(I); for Microscopy (Hist.)		1 g 45.—		
	(1R)-(+)-cis-Pinane [(1R,2S)-Pinane] 3/3; 48° C ₁₀ H ₁₈ M _r 138.26 [4795-86-2]				
80593	puriss. >99%(GC); B.P. 168-169°; d ₄ ²⁰ 0.856; n _D ²⁰ 1.463; [α] ₅₄₀ ²⁰ +28.4°	1 lt ≈ 0.86 kg	5 ml 20.—	25 ml 85.—	
	(1S)-(-)-trans-Pinane [1S,2S)-Pinane] 3/3; 48° C ₁₀ H ₁₈ M _r 138.26 [10281-53-5]				
80595	puriss. >99%(GC); B.P. 168-169°; d ₄ ²⁰ 0.854; n _D ²⁰ 1.461; [α] ₅₄₀ ²⁰ -19.9°	1 lt ≈ 0.85 kg	5 ml 20.—	25 ml 85.—	
	(1S,2R)-10-Pinanol see 70154 (-)-cis-Myrtanol				
	(1S,2S)-10-Pinanol see 70155 (-)-trans-Myrtanol				
	(1S)-(-)-α-Pinene (2) 3/3; 33° C ₁₀ H ₁₈ M _r 136.24 [7785-26-4]				
80599	puriss. >99.5%(GC); B.P. 156-158°; d ₄ ²⁰ 0.858; n _D ²⁰ 1.466; [α] ₅₄₀ ²⁰ -50±1°; store in refrigerator	1 lt ≈ 0.86 kg	1 ml 14.—	5 ml 60.—	
80600	purum >97%(GC); B.P. 154-156°; d ₄ ²⁰ 0.858; n _D ²⁰ 1.446; [α] ₅₄₀ ²⁰ -50±3°; store in refrigerator	1 lt ≈ 0.86 kg	250 ml 8.—	1 lt 25.—	
	(1R)-(+)-α-Pinene (2) 3/3; 22° C ₁₀ H ₁₈ M _r 136.24 [7785-70-8]				
80605	puriss. >99.5%(GC); B.P. 154-156°; d ₄ ²⁰ 0.858; n _D ²⁰ 1.466; [α] ₅₄₀ ²⁰ +57.4°; store in refrigerator	1 lt ≈ 0.86 kg	1 ml 14.—	5 ml 60.—	
	(1S)-(-)-β-Pinene [2 (10)] 3/3; 36° C ₁₀ H ₁₈ M _r 136.24 [18172-67-3]				
80609	puriss. >99.5%(GC); B.P. 164-165°; d ₄ ²⁰ 0.872; n _D ²⁰ 1.478; [α] ₅₄₀ ²⁰ -22±0.5°	1 lt ≈ 0.87 kg	1 ml 14.—	5 ml 60.—	
80610	pract. 80-90%(GC); B.P. 160-166°; d ₄ ²⁰ 0.866; n _D ²⁰ 1.477; [α] ₅₄₀ ²⁰ -22±4°; Residue on evaporation 1-3%	1 lt ≈ 0.87 kg	250 ml 8.—	1 lt 25.—	
	2-Pinen-4-ol see 94879 and 94881 (1S)- and (1R)-cis-Verbenol				
	(1R)-2-Pinen-10-ol see 70158 (-)-Myrtenol				
	α-, β- and γ-Pipecoline see 68840, 68850 and 68860 2-, 3- and 4-Methylpiperidine				

sFr.

sFr.

L-Pipecolinic acid (L-Homoproline; L-Piperidine-2-carboxylic acid) $\text{CH}_2\text{CH}_2\text{CH}_2\text{CH}_2\text{NHCHCOOH}$ $\text{C}_6\text{H}_{11}\text{NO}_2$ M_r 129.14 [3105-95-1]puriss. >99%(NT); M.P. 277-279° dec.; $[\alpha]_{\text{D}}^{20} -30 \pm 1^\circ$; $[\alpha]_{\text{D}}^{20} -26 \pm 1^\circ$
(c = 4 in water)

100 mg 32. —

D-Pipecolinic acid (D-Homoproline; D-Piperidine-2-carboxylic acid) $\text{CH}_2\text{CH}_2\text{CH}_2\text{CH}_2\text{NHCHCOOH}$ $\text{C}_6\text{H}_{11}\text{NO}_2$ M_r 129.14 [1723-00-8]puriss. >99%(NT); M.P. 277-279° dec.; $[\alpha]_{\text{D}}^{20} +35 \pm 1^\circ$; $[\alpha]_{\text{D}}^{20} +26 \pm 1^\circ$
(c = 4 in water)

100 mg 40. —

Piperazine anhydrous (Diethylenediamine)8/35 $\text{NHCH}_2\text{CH}_2\text{NHCH}_2\text{CH}_2$ $\text{C}_4\text{H}_{10}\text{N}_2$ M_r 86.14 [110-85-0]

puriss. p.a. >99%(NT); M.P. 111-113°

100 g 22. —

500 g 90. —

purum >97%(NT); M.P. 106-109°

250 g 13. —

1 kg 45. —

Piperazine-1,4-bis(2-ethanesulfonic acid) PIPES $\text{HO}_3\text{SCH}_2\text{CH}_2\text{NCH}_2\text{CH}_2\text{N}(\text{CH}_2\text{CH}_2\text{SO}_3\text{H})\text{CH}_2\text{CH}_2$ $\text{C}_8\text{H}_{16}\text{N}_2\text{O}_6\text{S}_2$ M_r 302.37

[5625-37-6]

puriss. p.a. >97%(T); pK at 20° 6.8; useful pH-range 6.4-7.2; biological Buffer:
N. E. Good et al., Biochemistry 5, 457 (1966)

10 g 10. —

50 g 37. —

Piperazine-1,4-bis(2-ethanesulfonic acid) Sodium salt anhydrous purum $\text{C}_8\text{H}_{17}\text{N}_2\text{NaO}_6\text{S}_2$ M_r 334.32

10 g 13. —

50 g 55. —

Piperazine-1-carboxylic acid ethyl ester see 02630 1-Ethoxycarbonylpiperazine**2,5-Piperazinedione** see 50080 Glycine anhydride**Piperazine Hexahydrate** purum >98%(NT); M.P. 42-44°8/35 $\text{NHCH}_2\text{CH}_2\text{NHCH}_2\text{CH}_2 \cdot 6\text{H}_2\text{O}$ $\text{C}_4\text{H}_{10}\text{N}_2 \cdot 6\text{H}_2\text{O}$ M_r 194.23 [142-63-2]

250 g 8. —

1 kg 25. —

1-Piperazinoethanol see 54460 1-(2-Hydroxyethyl)piperazine**2-Piperazinoethylamine** see 06690 1-(2-Aminoethyl)piperazine**Piperidine** (Hexahydropyridine)3/5; 18° $\text{NH}(\text{CH}_2)_4\text{CH}_2$ $\text{C}_5\text{H}_{11}\text{N}$ M_r 85.15 [110-89-4]puriss. p.a. M.P. -11--9°; B.P. 104-106°; d_4^{20} 0.862; n_D^{20} 1.453

1 lt ≈ 0.86 kg

100 ml 12. —

500 ml 50. —

Fluka-Guarantee:

Assay (GC and T)

>99.0 %

Cobalt (Co)

<0.00001%

Water (H₂O)

<0.3 %

Nickel (Ni)

<0.00001%

Residue on evaporation

<0.02 %

Copper (Cu)

<0.00001%

Pyridine (GC)

<0.3 %

Cadmium (Cd)

<0.00001%

Iron (Fe)

<0.00005%

Zinc (Zn)

<0.00001%

purum ~98%(GC); B.P. 101-106°; d_4^{20} 0.862; n_D^{20} 1.452

1 lt ≈ 0.86 kg

250 ml 14. —

1 lt 50. —

1-Piperidinecarboxaldehyde see 47725 1-Formylpiperidine**L- and D-Piperidine-2-carboxylic acid** see 80615 and 80617 L- and D-Pipecolinic acid**Piperidine-4-carboxylic acid** (Hexahydroisonicotinic acid; Isonipecotic acid) $\text{CH}_2\text{CH}_2\text{NHCH}_2\text{CH}_2\text{CHCOOH}$ $\text{C}_6\text{H}_{11}\text{NO}_2$ M_r 129.16 [498-94-2]purum >97%(NT); M.P. ~328° dec.; <2% H₂O

25 g 12. —

100 g 40. —

Piperidine hydrochloride purum cryst. >99%(Cl); M.P. 242-245° $\text{NH}(\text{CH}_2)_4\text{CH}_2 \cdot \text{HCl}$ $\text{C}_5\text{H}_{11}\text{N} \cdot \text{HCl}$ M_r 121.61 [6091-44-7]

100 g 12. —

500 g 50. —

Piperidinic acid see 07240 4-Aminobutyric acid**1-Piperidinoethanol** see 54470 1-(2-Hydroxyethyl)piperidine**2-Piperidinoethylamine** purum [1-(2-Aminoethyl)piperidine] $\text{CH}_2(\text{CH}_2)_4\text{NCH}_2\text{CH}_2\text{NH}_2$ $\text{C}_7\text{H}_{16}\text{N}_2$ M_r 120.22

1 lt ≈ 0.90 kg

100 ml 18. —

500 ml 75. —

2-Piperidinoethyl chloride hydrochloride see 23060 1-(2-Chloroethyl)piperidine hydrochloride**Piperidinol** see Hydroxypiperidine**Piperidinomethyl polystyrene** 2.6-2.8 meq Base/g Resin; <0.2 meq Cl/g Resin

10 g 35. —

50 g 145. —

3-Piperidino-1,2-propanediol see 37898 1-(2,3-Dihydroxypropyl)piperidine**3-Piperidinopropionic acid** $\text{CH}_2(\text{CH}_2)_4\text{CH}_2\text{NCH}_2\text{CH}_2\text{COOH}$ $\text{C}_8\text{H}_{16}\text{NO}_2$ M_r 157.22 [26371-07-3]

purum >99%(NT); M.P. 102-104°; 1 g clearly soluble in 10 ml water

25 g 16. —

100 g 55. —



				sFr.	sFr.
	3-Piperidinopropylchloride hydrochloride [1-(3-Chloropropyl)-piperidine hydrochloride] $\text{CH}_2(\text{CH}_2)_4\text{N}(\text{CH}_2)_3\text{Cl} \cdot \text{HCl}$ $\text{C}_8\text{H}_{16}\text{ClN} \cdot \text{HCl}$ M_r 198.14 [5472-49-1]				
80780	purum >99% (Cl); M.P. 218-220°			25 g 12. —	100 g 40. —
	4-Piperidinopyridine 6.1/21 $\text{CH}_2(\text{CH}_2)_4\text{N} \cdot \text{CHCH} \cdot \text{NCH} \cdot \text{CH}$ $\text{C}_{10}\text{H}_{14}\text{N}_2$ M_r 162.21 [2767-90-0]				
80785	purum >98% (GC); M.P. 78-80°; B.P. 96-98°; very effective acylation catalyst: G. Höfle, W. Steglich, Synthesis 619 (1972)			5 g 50. —	
	2-Piperidone see 94570 δ -Valerolactam				
	4-Piperidone-3-carboxylic acid ethyl ester hydrochloride see 02640 3-Ethoxycarbonyl-4-piperidone hydrochloride				
80810	Piperine purum M.P. 128-130° (1-Piperoylpiperidine) $\text{QCH}_2\text{OC}_6\text{H}_3\text{-4-CH:CHCH:CHCON}(\text{CH}_2)_4\text{CH}_2$ $\text{C}_{17}\text{H}_{19}\text{NO}_3$ M_r 285.35 [94-62-2]			5 g 20. —	25 g 85. —
	Piperonal (Heliotropin; 3,4-Methylenedioxybenzaldehyde) $\text{QCH}_2\text{OC}_6\text{H}_3\text{CHO}$ $\text{C}_8\text{H}_6\text{O}_3$ M_r 150.14 [120-57-0]				
80820	purum >99% (GC); M.P. 36-37°; B.P. 263° (Lit.); 1 g clearly soluble in 10 ml Methanol			100 g 22. —	500 g 90. —
80830	Piperonyl alcohol purum ~97% (GC); M.P. 48-52° (3,4-Methylenedioxybenzyl alcohol) $\text{QCH}_2\text{OC}_6\text{H}_3\text{CH}_2\text{OH}$ $\text{C}_9\text{H}_8\text{O}_3$ M_r 152.15 [495-76-1]			25 g 10. —	100 g 35. —
	Piperonylamine (3,4-Methylenedioxybenzylamine) 8/35 $\text{QCH}_2\text{OC}_6\text{H}_3\text{CH}_2\text{NH}_2$ $\text{C}_9\text{H}_9\text{NO}_2$ M_r 151.17 [2620-50-0]				
80840	purum >97% (GC); B.P. 135-137°; d_4^{20} 1.214; n_D^{20} 1.565	1 lt $\approx$ 1.21 kg		25 ml 20. —	100 ml 70. —
	Piperonylbutoxide (4,5-Methylenedioxy-6-propylbenzyl-diethyleneglycol butyl ether) $\text{C}_{19}\text{H}_{30}\text{O}_5$ M_r 338.45 [51-03-6]				
80850	techn. ~90-95% (GC); B.P. 180°; d_4^{20} 1.059; n_D^{20} 1.509	1 lt $\approx$ 1.06 kg		100 ml 15. —	500 ml 63. —
80860	Piperonylic acid purum >97% (T); M.P. 230-232° (3,4-Methylenedioxybenzoic acid) $\text{QCH}_2\text{OC}_6\text{H}_3\text{COOH}$ $\text{C}_9\text{H}_6\text{O}_4$ M_r 166.14 [94-53-1]			25 g 26. —	100 g 95. —
	Piperonylideneacetic acid see 66820 3,4-Methylenedioxycinnamic acid				
	Piperonyl methyl ketone see 80852 (3,4-Methylenedioxyphenyl)-2-propanone				
	1-Piperoylpiperidine see 80810 Piperine				
	cis-Piperylene see 76610 cis-1,3-Pentadiene				
	trans-Piperylene see 76620 trans-1,3-Pentadiene				
	PIPES see 80637 Piperazine-1,4-bis(2-ethanesulfonic acid)				
	PITC see 78781 Phenyl isothiocyanate				
	Pivalaldehyde (Trimethylacetaldehyde) 3/1a; 0° $(\text{CH}_3)_3\text{CCHO}$ $\text{C}_5\text{H}_{10}\text{O}$ M_r 86.14 [630-19-3]				
80869	purum >99% (GC); B.P. 71-74°; d_4^{20} 0.783; n_D^{20} 1.379; ~1% Pivalic acid; store in refrigerator	1 lt $\approx$ 0.78 kg		10 ml 30. —	50 ml 125. —
80902	Pivalamide purum >98% (N); M.P. 152-155° (Trimethylacetamide) $(\text{CH}_3)_3\text{CCONH}_2$ $\text{C}_5\text{H}_{11}\text{NO}$ M_r 101.15 [754-10-9]			50 g 15. —	250 g 63. —
	Pivalic acid (2,2-Dimethylpropionic acid; Trimethylacetic acid) $(\text{CH}_3)_3\text{CCOOH}$ $\text{C}_5\text{H}_{10}\text{O}_2$ M_r 102.14 [75-98-9]				
80880	puriss. >99.5% (GC); M.P. 34-35°; B.P. 71-73°; store in refrigerator			25 g 9. —	100 g 28. —
80882	purum >97% (GC); M.P. 32-35°; store in refrigerator			250 g 8. —	1 kg 25. —
	Pivalic anhydride (Trimethylacetic anhydride) $[(\text{CH}_3)_3\text{CCO}]_2\text{O}$ $\text{C}_{10}\text{H}_{18}\text{O}_3$ M_r 186.25 [1538-75-6]				
80903	purum B.P. 192-193° (Lit.); d_4^{20} 0.918; n_D^{20} 1.409	1 lt $\approx$ 0.92 kg		50 ml 17. —	250 ml 70. —
	Pivalone see 34740 2,2,4,4-Tetramethyl-3-pentanone				
	Pivalonitrile (tert-Butyl cyanide; Trimethylacetone nitrile) 6.1/2b; 21° $(\text{CH}_3)_3\text{CCN}$ $\text{C}_5\text{H}_9\text{N}$ M_r 83.14 [630-18-2]				
80930	purum >99% (GC); M.P. 16-19°; B.P. 104-106°; d_4^{20} 0.765; n_D^{20} 1.378; store in refrigerator	1 lt $\approx$ 0.77 kg		25 ml 16. —	100 ml 55. —
	Pivalophenone see 20540 2,2-Dimethylpropiophenone				

			sFr.	sFr.
	Pivaloylacetalddehyde (4,4-Dimethyl-3-oxovaleraldehyde)			
	3/3; 38°	(CH ₃) ₂ CCOCH ₂ CHO C ₇ H ₁₂ O ₂ M _r 128.17 [23459-13-4]		
80935		purum >99% (GC); B.P. ₂₅ 53-56°; d ₄ ²⁰ 0.946; n _D ²⁰ 1.454; stab. with 0.05% 2,6-Di-tert-butyl-p-cresol	1 lt ≈ 0.95 kg	5 ml 29. — 25 ml 120. —
	Pivaloyl chloride (Trimethylacetyl chloride)			
	8/22	(CH ₃) ₃ CCOCl C ₅ H ₉ ClO M _r 120.58 [3282-30-2]		
80910		purum ~99% (GC); B.P. 105-108°; d ₄ ²⁰ 0.982; n _D ²⁰ 1.412	1 lt ≈ 0.98 kg	250 ml 16. — 1 lt 55. —
	2-Pivaloyl-1,3-indandione (1,3-Dioxo-2-pivaloylindan; 2-Trimethylacetyl-1,3-indandione)			
		OCC ₆ H ₄ COCHCOC(CH ₃) ₃ C ₁₄ H ₁₄ O ₃ M _r 230.27 [83-26-1]		
80950		purum		100 g 45. —
	Pivaloyloxymethyl chloride see 80915 Chloromethyl pivalate			
	Plasdone XL see 81385 Polyvinylpolypyrrolidone			
81100	Platinum sponge puriss.	Pt A _r 195.09 [7440-06-4]	1 g 105. —	
81110	Platinum black puriss.		1 g 65. —	
	Platinum (Coating quality BALZERS)			
80962		99.95%; Wire thickness 1 mm	1 g 90. —	
80963		99.95%; Wire thickness 0.1 mm	1 g 105. —	
	Platinum on activated Charcoal Hydrogenation catalyst			
80980	4.2/6d	puriss. 10% Pt	1 g 10. —	5 g 37. —
80982		puriss. 5% Pt	5 g 20. —	25 g 85. —
	Platinum on activated Alumina Hydrogenation catalyst			
80990		puriss. 10% Pt	1 g 14. —	5 g 60. —
80992		puriss. 5% Pt	5 g 20. —	25 g 85. —
	Platinum on Asbestos Hydrogenation catalyst			
81002		puriss. 10% Pt	1 g 14. —	5 g 60. —
81003		puriss. 5% Pt	5 g 34. —	25 g 145. —
	Platinum on Barium sulfate Hydrogenation catalyst			
81010		puriss. 10% Pt	1 g 20. —	5 g 85. —
81012		puriss. 5% Pt	5 g 37. —	25 g 155. —
81032	Platinum on activated Silicic acid puriss. 5% Pt; Hydrogenation catalyst		5 g 37. —	25 g 155. —
81022	Platinum on Kieselguhr puriss. 5% Pt; Hydrogenation catalyst		5 g 37. —	25 g 155. —
	Platinum(II) ammonium chloride see 10000 Ammonium tetrachloroplatinate(II)			
	Platinum(IV) ammonium chloride see 09770 Ammonium hexachloroplatinate(IV)			
81045	Platinum(IV) bromide puriss.	PtBr ₄ Br ₄ Pt M _r 514.73 [14493-01-7]	1 g 80. —	
81060	Platinum(II) chloride purum 74% Pt	PtCl ₂ Cl ₂ Pt M _r 266.00 [10025-65-7]	1 g 55. —	
81070	Platinum(IV) chloride purum 58% Pt (Platinum tetrachloride)	PtCl ₄ Cl ₄ Pt M _r 336.90 [13454-96-1]	1 g 55. —	
81090	Platinum(IV) oxide puriss. ~80% Pt; Hydrogenation catalyst; according to Adam & Shriner	PtO ₂ O ₂ Pt M _r 227.09 [1314-15-4]	1 g 70. —	
	Platinum tetrachloride see 81070 Platinum(IV) chloride			
81112	Pluronic® F68 stationary phase for GC	M _r 8350	10 g 20. —	50 g 85. —
81113	Pluronic® L61 liquid phase for GC	M _r <2000.00	1 lt ≈ 1.01 kg 10 ml 20. —	50 ml 85. —
81114	Pluronic® L84 liquid phase for GC	M _r <2900.00	1 lt ≈ 1.05 kg 10 ml 20. —	50 ml 85. —
	PMHS see 81330 Polymethylhydrosiloxane			

		sFr.	sFr.
81115	S-PMZ-2-mercapto-4,6-dimethylpyrimidine [S-(4,6-Dimethylpyrimidin-2-yl) O-(4-methoxybenzyl thiolcarbonate; O-(4-Methoxybenzyl) S-(4,6-dimethyl-2-pyrimidinyl) thiolcarbonate] $\text{N:C(CH}_3\text{)CH:C(CH}_3\text{)N:CSCOOCH}_2\text{C}_6\text{H}_4\text{OCH}_3$ $\text{C}_{15}\text{H}_{16}\text{N}_2\text{O}_3\text{S}$ M_r 304.37 [41840-29-3] puriss. M.P. 57-59°	10 g 30. —	50 g 125. —
81120	N_ε-POC-L-lysine (N _ε -Cyclopentylloxycarbonyl-L-lysine) $\text{CH}_2(\text{CH}_2)_3\text{CHOCONH(CH}_2\text{)}_4\text{CH(NH}_2\text{)COOH}$ $\text{C}_{12}\text{H}_{22}\text{N}_2\text{O}_4$ M_r 258.32 puriss. CHR; $[\alpha]_D^{20} + 13.5 \pm 0.5^\circ$ (c = 1 in 80% Acetic acid)	1 g 18. —	5 g 75. —
	Poirriers Blue see 95290 Water Blue		
81140	Polyacrylic acid pract. medium viscosity; Mixed polymers of Acrylic and Methacrylic acids $M_r \sim 500\,000\text{--}1\,000\,000$ [9003-01-4]	250 g 18. —	1 kg 65. —
81320	Polychromo Solution (Staining method according to Papanicolaou) 3/5; 14° Standard Fluka for Cytodiagnostics	1 lt $\approx$ 0.80 kg	100 ml 7. — 1 lt 22. —
	Polyethylene glycol see also Carbowax		
81150	Polyethylene glycol 200 (Carbowax®) M_r 190-210 pract. M.P. -38--36°; d_4^{20} 1.12; n_D^{20} 1.46; Viscosity 20°; ~ 60 mPa.s	1 lt $\approx$ 1.12 kg	1 lt 16. — 5 lt 67. —
81160	Polyethylene glycol 300 M_r 285-315 pract. M.P. -20--15°; d_4^{20} 1.12; n_D^{20} 1.465; Viscosity 20°; $\sim 90\text{--}95$ mPa.s	1 lt $\approx$ 1.12 kg	1 lt 16. — 5 lt 67. —
81170	Polyethylene glycol 400 M_r 380-420 pract. M.P. 1-5°; d_4^{20} 1.12; n_D^{20} 1.467; Viscosity 20°; ~ 120 mPa.s	1 lt $\approx$ 1.12 kg	1 lt 16. — 5 lt 67. —
81180	Polyethylene glycol 600 M_r 570-630 pract. M.P. 17-23°; d_4^{20} 1.12; n_D^{20} 1.469; Viscosity 20°; 100-130 mPa.s	1 lt $\approx$ 1.12 kg	1 lt 16. — 5 lt 67. —
81190	Polyethylene glycol 1000 pract. M.P. 37-40° M_r 950-1050		1 kg 16. — 5 kg 67. —
81210	Polyethylene glycol 1500 pract. M.P. 45-50° M_r 1400-1600		1 kg 16. — 5 kg 67. —
81215	Polyethylene glycol 1540 pract. M.P. 43-46° M_r 1300-1600		1 kg 16. — 5 kg 67. —
81221	Polyethylene glycol 2000 pract. M.P. 52-54° M_r 1900-2200		1 kg 16. — 5 kg 67. —
81230	Polyethylene glycol 3000 pract. M.P. 56-59° M_r 2700-3300		1 kg 16. — 5 kg 67. —
81240	Polyethylene glycol 4000 pract. M.P. 59-61° M_r 3500-4500		1 kg 16. — 5 kg 67. —
81260	Polyethylene glycol 6000 pract. M.P. 60-66° M_r 6000-7500		1 kg 16. — 5 kg 67. —
81280	Polyethylene glycol 10000 pract. 60-63° M_r 8500-11500		1 kg 20. — 5 kg 85. —
81300	Polyethylene glycol 20000 pract. M.P. 63-65° $M_r > 17\,000$		1 kg 20. — 5 kg 85. —
81310	Polyethylene glycol 35000 pract. $M_r \sim 35\,000$		1 kg 20. — 5 kg 85. —
81315	Polyethylene glycol 400 monolaurate techn.		1 kg 20. —
81325	Polygalacturonic acid pract. M_r 25 000-50 000 [25990-10-7]		50 g 24. — 250 g 100. —
	Polymer supported reagents 15595 Borohydride polymer supported 16055 Bromine polymer supported 17350 Bromide polymer supported		

27175 Chromic acid polymer supported
 27821 Copolymer of 98% Styrene + 2% Divinylbenzene
 31866 Diethylaminomethyl polystyrene
 38343 Diisopropylaminomethyl polystyrene
 39205 Dimethylaminomethyl polystyrene
 63871, 63872, 63873 Merrifield Polymer FLUKA
 69943 Morpholinomethyl polystyrene
 80723 Piperidinomethyl polystyrene
 93407 Tris(triphenylphosphine)rhodium(I) chloride polymer supported

Polymannuronic acid see 05550 Alginic acid

Polymethylhydrosiloxane, PMHS (Methylhydrogensiloxan polymer)
 $(\text{CH}_3)_3\text{SiO}[(\text{CH}_3)\text{HSiO}]_x\text{Si}(\text{CH}_3)_3$

81330 d_4^{20} 1.006; n_D^{20} 1.348; Viscosity 20° 35 mPa.s 1 lt $\approx$ 1.01 kg 100 ml 14.— 500 ml 60.—

Polyoxyethylene lauryl ether see 16005 Brij 35

Polyoxyethylene sorbitanmonolaurate see 93773 Tween® 20

Polyoxyethylene sorbitanmonooleate see 93780 Tween® 80

Polyoxyethylene sorbitanmonopalmitate see 93775 Tween® 40

Polyoxyethylene sorbitanmonostearate see 93776 Tween® 60

Polyoxyethylene sorbitantrioleate see 93783 Tween® 85

Polyoxyethylene sorbitantristearate see 93778 Tween® 65

Polyoxymethylene see 76240 Paraformaldehyde

Polyphenyl ether (5-Ring) OS-124

81335 stationary phase for GC; Temp. range of application 0-200° 10 g 40.—

Polyphenyl ether (6-Ring) OS-138 [Bis(m-phenoxyphenoxy-phenyl)ether]

81336 stationary phase for GC; Temp. range of application 0-225° 10 g 40.—

Polyphosphoric acid

8/21 $M_r \sim 340$

81340 purum 85% P_2O_5 ; $\sim 60\%$ $\text{H}_5\text{P}_3\text{O}_{10}$ + $\sim 15\%$ $\text{H}_4\text{P}_2\text{O}_7$ + $\sim 10\%$ $(\text{HPO}_3)_6$ + $\sim 15\%$ $(\text{HPO}_3)_x$ 1 lt $\approx$ 2.10 kg 500 ml 18.— 1 lt 35.—

Polypropylene glycol P 400

81350 pract. d_4^{20} 1.01; n_D^{20} 1.447; Viscosity 20°; ~ 90 mPa.s 1 lt $\approx$ 1.01 kg 1 lt 20.— 5 lt 85.—

81360 **Polypropylene glycol P 425** pract. 1 lt $\approx$ 1.01 kg 1 lt 20.— 5 lt 85.—

81370 **Polypropylene glycol P 1200** pract. d_4^{20} 1.00; n_D^{20} 1.450 1 lt $\approx$ 1.00 kg 1 lt 20.— 5 lt 85.—

81380 **Polypropylene glycol P 2000** pract. d_4^{20} 1.00; n_D^{20} 1.451 1 lt $\approx$ 1.00 kg 1 lt 22.— 5 lt 90.—

Polysaccharides see "Carbohydrates and Derivatives" green section

Polyvinyl alcohol 15 000

81381 Viscosity of a 4% aqueous solution: 3 mPa.s at 20°; SN 20; Degree of polymerisation 300; Degree of hydrolysis 86-89 mol%; Ash 0.5% 250 g 9.— 1 kg 30.—

Polyvinyl alcohol 22 000

81382 Viscosity of a 4% aqueous solution: 5 mPa.s at 20°; SN 120; Degree of polymerisation 500; Degree of hydrolysis 97.5-99.5 mol%; Ash 1% 250 g 9.— 1 kg 30.—

Polyvinyl alcohol 49 000

81383 Viscosity of a 4% aqueous solution: 13 mPa.s at 20°; SN 140; Degree of polymerisation 1000; Degree of hydrolysis 86-89 mol%; Ash 0.5% 250 g 9.— 1 kg 30.—

Polyvinyl alcohol 72 000

81384 Viscosity of a 4% aqueous solution: 28 ± 4 mPa.s at 20°; SN 20; Degree of polymerisation 1600; Degree of hydrolysis 97.5-99.5 mol%; M.P. $\sim 265^\circ$ dec.; Ash 0.05% 250 g 9.— 1 kg 30.—

Polyvinyl alcohol 100 000

81386 Viscosity of a 4% aqueous solution: 40 ± 5 mPa.s at 20°; SN 140; Degree of polymerisation 2000; Degree of hydrolysis 86-89 mol%; Ash 0.5% 250 g 9.— 1 kg 30.—

			sFr.	sFr.
81388	Polyvinyl chloride low molecular K-value 55-57		250 g 9.—	1 kg 30.—
	Polyvinyl formal see 47716 Formvar			
81385	Polyvinylpyrrolidone, PVPP purum (Plasdone XL)		100 g 20.—	500 g 85.—
81390	Polyvinylpyrrolidone K15 pract. Loss on drying ~5% $M_r \sim 10\,000$		100 g 11.—	500 g 34.—
81400	Polyvinylpyrrolidone K25 purum pharm. $M_r \sim 24\,000$		100 g 16.—	500 g 67.—
	Polyvinylpyrrolidone K30 $M_r \sim 40\,000$			
81420	purum pharm. ("Plasdone"); Ash <0.05%		100 g 16.—	500 g 67.—
81422	pract. powder		250 g 18.—	1 kg 65.—
81430	Polyvinylpyrrolidone K60 pract. 45% aqueous solution $M_r \sim 160\,000$	1 lt $\approx$ 1.10 kg	500 ml 18.—	2.5 lt 75.—
81440	Polyvinylpyrrolidone K90 pract. powder $M_r \sim 360\,000$		250 g 18.—	1 kg 65.—
81450	Ponceau BS [C.I. Nr. 26905] Standard Fluka for Microscopy (Hist.) (Biebrich Scarlet WS) 4-NaO ₃ SC ₆ H ₄ N:NC ₆ H ₃ -3-SO ₃ Na-4-N:N-1-C ₁₀ H ₆ -2-OH C ₂₂ H ₁₄ N ₄ Na ₂ O ₇ S ₂ M_r 556.49 [4196-99-0]		10 g 16.—	50 g 67.—
	Ponceau 2R see 81465 Ponceau xylidine			
81460	Ponceau S [C.I. Nr. 27195; Sch. Nr. 573] Standard Fluka for Microscopy (Hist.) 4-NaO ₃ SC ₆ H ₄ N:NC ₆ H ₃ -3-SO ₃ Na-4-N:N-1-C ₁₀ H ₄ -2-OH-3,6-(SO ₃ Na) ₂ C ₂₂ H ₁₂ N ₄ Na ₄ O ₁₃ S ₄ M_r 760.58 [6226-79-5]		25 g 31.—	100 g 85.—
81465	Ponceau Xylidine Standard Fluka (Ponceau 2R; Xylidine Ponceau 2R) (CH ₃) ₂ C ₆ H ₄ N:NC ₁₀ H ₄ (OH)(SO ₃ Na) ₂ C ₁₈ H ₁₄ N ₂ NaO ₇ S ₂ M_r 480.43 [3761-53-3]		25 g 9.—	100 g 30.—
	POPOP see 15150 1,4-Bis(5-phenyl-2-oxazolyl)benzene			
	Porcine secretine see 84875 Secretine pentacitrate			
Porphyrins see green section				
60030	Potassium sticks purum >98% + 0.4% Ca + Na 4.3/1a K A_r 39.10 [7440-09-7]		100 g 14.—	500 g 60.—
	Potassium Ion Standard Solution FLUKA			
60032	1.000 g Potassium/Liter/20°C; prepared from KCl; pH 6	1 lt $\approx$ 1.00 kg	500 ml 18.—	
60034	Potassium acetate purum p.a. CH ₃ COOK C ₂ H ₃ KO ₂ M_r 98.14 [127-08-2] Fluka-Guarantee: Assay >98.0 % Copper (Cu) <0.005% pH (5% solution in water, 20°C) 7.0-9.0 Lead (Pb) <0.005% Chloride (Cl) <0.005% Iron (Fe) <0.005% Sulfate (SO ₄) <0.005% Zinc (Zn) <0.005%		1 kg 12.—	5 kg 50.—
60055	Potassium aluminum sulfate purum ~90%(T); H ₂ O ~10% KAl(SO ₄) ₂ .aq AlKO ₆ S ₂ .aq M_r 258.21 + aq [10043-67-1]		1 kg 8.—	
60060	Potassium aluminum sulfate puriss. p.a. KAl(SO ₄) ₂ .12H ₂ O AlKO ₆ S ₂ .12H ₂ O M_r 474.39 [7784-24-9] Fluka-Guarantee: Assay >99.5 % Iron (Fe) <0.0005 % Insolubles in water <0.005 % Sodium (Na) <0.02 % Chloride (Cl) <0.0005% Arsenic (As) <0.00005% Heavy metals (as Pb) <0.001 %		250 g 7.—	1 kg 11.—
	Potassium antimony(III) oxidetartrate (Potassium antimonyltartrate) K(SbO)C ₄ H ₄ O ₆ . ½H ₂ O C ₄ H ₄ KO ₇ Sb. ½H ₂ O M_r 333.93 [16039-64-8]			
60063	purum p.a. >98%(RT); M.P. >300°		250 g 12.—	1 kg 40.—
	Potassium D-arabonate see 10895 D(+) -Arabonic acid Potassium salt			
	Potassium L-aspartate see 11230 L-Aspartic acid Potassium salt			
	Potassium DL-aspartate see 11240 DL-Aspartic acid Potassium salt			



				sFr.	sFr.
60065	Potassium benzoate purum >99%(NT); M.P. >300° (Benzoic acid Potassium salt) C ₆ H ₅ COOK C ₇ H ₅ KO ₂ M _r 160.22 [582-25-2]			500 g 15. —	2.5 kg 63. —
	Potassium bicarbonate see 60340 Potassium hydrogen carbonate				
	Potassium bichromate see 60190 Potassium dichromate				
	Potassium bilodate see 60350 Potassium hydrogen iodate				
	Potassium biphthalate see 60360 Potassium hydrogen phthalate				
60070	Potassium borofluoride purum (Potassium tetrafluoroborate) 8/15b KBF ₄ BF ₄ K M _r 125.91 [14075-53-7]			250 g 7. —	1 kg 12. —
60080	Potassium borohydride purum p.a. 4.3/2b KBH ₄ BH ₄ K M _r 53.94 [13762-51-1] Fluka-Guarantee: Assay >98.0 % Iron (Fe) <0.005% Copper (Cu) <0.005% Zinc (Zn) <0.005% Lead (Pb) <0.005% Calcium (Ca) <0.005%			25 g 12. —	100 g 40. —
	Potassium bromate 5.1/10 KBrO ₃ BrKO ₃ M _r 167.01 [7758-01-2]				
60085	puriss. p.a. Fluka-Guarantee: Assay (iodometric) >99.5 % Total nitrogen <0.001 % pH (5% solution in water, 20°C) 5.0-9.0 Heavy metals (as Pb) <0.0008% Bromide (Br) <0.02 % Iron (Fe) <0.0005% Sulfate (SO ₄) <0.005% Sodium (Na) <0.025 %			250 g 13. —	1 kg 45. —
60086	purum p.a. DAB Fluka-Guarantee: Assay >98.0 % Lead (Pb) <0.005% pH (5% solution in water, 20°C) 5.0-9.0 Iron (Fe) <0.005% Copper (Cu) <0.005% Zinc (Zn) <0.005% Calcium (Ca) <0.005%			250 g 9. —	1 kg 28. —
	Potassium bromide KBr BrK M _r 119.01 [7758-02-3]				
60090	for IR-Spectroscopy; hygroscopic Fluka-Guarantee: Analyzed for IR purpose. Permeability of a tablet made from 300 mg material (under dry conditions, pressure 300 kg/cm ² during 10 minutes) 80±5%; Water peak <5%			100 g 20. —	500 g 85. —
60093	puriss. p.a. Fluka-Guarantee: Assay >99.0 % Total nitrogen <0.001 % pH (5% solution in water, 20°C) 5.5-8.5 Heavy metals (as Pb) <0.0005% Chloride (Cl) <0.1 % Iron (Fe) <0.0005% Iodide (I) <0.005% Calcium (Ca) <0.001 % Sulfate (SO ₄) <0.005% Barium (Ba) <0.002 % Bromate (BO ₃) <0.001% Magnesium (Mg) <0.001 % Sodium (Na) <0.02 %			250 g 7. —	1 kg 13. —
60095	purum p.a. cryst. Ph. Helv. Fluka-Guarantee: Assay >98.0 % Iron (Fe) <0.005% Sulfate (SO ₄) <0.005% Zinc (Zn) <0.005% Copper (Cu) <0.005% Calcium (Ca) <0.005% Lead (Pb) <0.005%			250 g 7. —	1 kg 16. —
60100	Potassium tert-butylate pract. >97%(NT); <2% Potassium carbonate 8/31a (CH ₃) ₃ COK C ₄ H ₉ KO M _r 112.22 [865-47-4]			100 g 15. —	500 g 63. —
60109	Potassium carbonate anhydrous puriss. p.a. K ₂ CO ₃ CK ₂ O ₃ M _r 138.21 [584-08-7] Fluka-Guarantee: Assay >99.0 % Iron (Fe) <0.0005% Chloride (Cl) <0.003 % Calcium (Ca) <0.002 % Sulfate (SO ₄) <0.003 % Magnesium (Mg) <0.001 % Phosphate (PO ₄) <0.0015% Sodium (Na) <0.02 % Total Nitrogen (N) <0.001 % Residue on ignition (600°C) <0.8 % Heavy metals (as Pb) <0.0008%			250 g 7. —	1 kg 18. —

(continues next page)

					sFr.	sFr.
Potassium carbonate anhydrous (continue)						
60110	purum p.a.				1 kg 10.—	5 kg 37.—
	Fluka-Guarantee:					
	Assay	>99.0 %	Lead (Pb)	<0.005%		
	Chloride (Cl)	<0.01 %	Iron (Fe)	<0.005%		
	Sulfate (SO ₄)	<0.01 %	Zinc (Zn)	<0.005%		
	Copper (Cu)	<0.005%	Calcium (Ca)	<0.005%		
Potassium chlorate						
5.1/4a	KClO ₃ ClKO ₃ M _r 122.55 [3811-04-9]					
60120	puriss. p.a. cryst.				500 g 10.—	2.5 kg 40.—
	Fluka-Guarantee:					
	Assay	>99.0 %	Zinc (Zn)	<0.0005%		
	Chloride (Cl)	<0.001 %	Calcium (Ca)	<0.002 %		
	Sulfate (SO ₄)	<0.002 %	Sodium (Na)	<0.01 %		
	Copper (Cu)	<0.0005%	Magnesium (Mg)	<0.001 %		
	Lead (Pb)	<0.0005%	Ammonium (NH ₄)	<0.001 %		
	Iron (Fe)	<0.001 %				
60125	purum p.a. Helv. cryst.				500 g 8.—	1 kg 12.—
	Fluka-Guarantee:					
	Assay	>99.0 %	Lead (Pb)	<0.005%		
	Chloride (Cl)	<0.005%	Iron (Fe)	<0.005%		
	Sulfate (SO ₄)	<0.01 %	Zinc (Zn)	<0.005%		
	Copper (Cu)	<0.005%	Calcium (Ca)	<0.005%		
Potassium chloride						
	KCl ClK M _r 74.56 [7447-40-7]					
60130	puriss. p.a.				250 g 7.—	1 kg 14.—
	Fluka-Guarantee:					
	Assay	>99.0 %	Heavy metals (as Pb)	<0.001 %		
	Insolubles in water	<0.01 %	Iron (Fe)	<0.0003%		
	Free Alkali (as KOH)	<0.003%	Calcium (Ca)	<0.001 %		
	Free Acid (as HCl)	<0.003%	Magnesium (Mg)	<0.0005%		
	Sulfate (SO ₄)	<0.003%	Bromide (Br)	<0.005 %		
	Phosphate (PO ₄)	<0.002%	Aluminum (Al)	<0.001 %		
	Chlorate (ClO ₃)	<0.003%	Barium (Ba)	<0.001 %		
	Total Nitrogen (N)	<0.001%	Sodium (Na)	<0.005 %		
60132	purum p.a.				1 kg 7.—	5 kg 21.—
	Fluka-Guarantee:					
	Assay	>98.0 %	Lead (Pb)	<0.005%		
	pH (5% solution in water, 20°C)	5.0-8.5	Iron (Fe)	<0.005%		
	Sulfate (SO ₄)	<0.005%	Zinc (Zn)	<0.005%		
	Copper (Cu)	<0.005%	Calcium (Ca)	<0.005%		
Potassium chromate						
	K ₂ CrO ₄ CrK ₂ O ₄ M _r 194.20 [7789-00-6]					
60140	puriss. p.a.				250 g 8.—	1 kg 25.—
	Fluka-Guarantee:					
	Assay (iodometr.)	>99.5 %	Iron (Fe)	<0.002%		
	Insolubles in water	<0.005%	Calcium (Ca)	<0.005%		
	Chloride (Cl)	<0.001%	Sodium (Na)	<0.025%		
	Sulfate (SO ₄)	<0.01 %				
60141	purum p.a.				500 g 9.—	1 kg 16.—
	Fluka-Guarantee:					
	Assay	>98.0 %	Copper (Cu)	<0.005%		
	pH (5% solution in water, 20°C)	8.5-10.0	Iron (Fe)	<0.005%		
	Chloride (Cl)	<0.005%	Zinc (Zn)	<0.005%		
Potassium chromiumthiocyanate [Potassium hexathiocyanatochromate(III)]						
6.1/81g	K ₃ [Cr(SCN) ₆] C ₆ CrK ₃ N ₆ S ₆ M _r 517.79 [14282-33-8]					
60150	puriss. p.a. ~99%(T)				100 g 25.—	
Potassium chromium(III) sulfate purum p.a.						
60152	KCr(SO ₄) ₂ ·12H ₂ O CrKO ₆ S ₂ ·12H ₂ O M _r 499.41 [7788-99-0]				1 kg 8.—	5 kg 29.—
	Fluka-Guarantee:					
	Assay	>98.0 %	Iron (Fe)	<0.02 %		
	Chloride (Cl)	<0.005%	Zinc (Zn)	<0.005%		
	Copper (Cu)	<0.005%	Calcium (Ca)	<0.005%		
	Lead (Pb)	<0.005%				

sFr.

sFr.

60153	tri-Potassium citrate purum p.a. Erg. B. 6 (Citric acid Tripotassium salt) $\text{HOC(COOK)(CH}_2\text{COOK)}_2\cdot\text{H}_2\text{O}$ $\text{C}_6\text{H}_5\text{K}_3\text{O}_7\cdot\text{H}_2\text{O}$ M_r 324.42 [866-84-2]	500 g 9. —	1 kg 15. —
	Fluka-Guarantee:		
	Assay	>98.0 %	Lead (Pb) <0.005%
	Chloride (Cl)	<0.005%	Iron (Fe) <0.005%
	Sulfate (SO_4)	<0.005%	Zinc (Zn) <0.005%
	Copper (Cu)	<0.005%	Calcium (Ca) <0.005%
60160	Potassium cyanate purum p.a. cryst. 6.1/31a KOCN CKNO M_r 81.12 [590-28-3]	250 g 7. —	1 kg 18. —
	Fluka-Guarantee:		
	Assay	>98.0 %	Lead (Pb) <0.005%
	Chloride (Cl)	<0.005%	Iron (Fe) <0.005%
	Sulfate (SO_4)	<0.005%	Zinc (Zn) <0.005%
	Copper (Cu)	<0.005%	Calcium (Ca) <0.005%
	Potassium cyanide 6.1/31a KCN CKN M_r 65.12 [151-50-8]		
60179	puriss. p.a.	250 g 12. —	1 kg 40. —
	Fluka-Guarantee:		
	Assay (NT)	>99.0 %	Thiocyanate (SCN) <0.01 %
	Chloride (Cl)	<0.02 %	Heavy metals (as Pb) <0.0005%
	Sulfate (SO_4)	<0.01 %	Copper (Cu) <0.0005%
	Sulfide (S)	<0.001%	Iron (Fe) <0.001 %
	Hexacyanoferrate(II)	<0.01 %	Sodium (Na) <0.3 %
60180	purum p.a.	250 g 8. —	1 kg 25. —
	Fluka-Guarantee:		
	Assay	>98.0 %	Iron (Fe) <0.01 %
	Chloride (Cl)	<0.01 %	Sodium (Na) <0.5 %
	Sulfate (SO_4)	<0.01 %	Zinc (Zn) <0.005%
	Copper (Cu)	<0.005%	Calcium (Ca) <0.005%
	Lead (Pb)	<0.005%	
	Potassium dichromate (Potassium bichromate) 5.1/10 $\text{K}_2\text{Cr}_2\text{O}_7$ $\text{Cr}_2\text{K}_2\text{O}_7$ M_r 294.19 [7778-50-9]		
60190	puriss. p.a.	250 g 7. —	1 kg 25. —
	Fluka-Guarantee:		
	Assay (dried)	>99.5 %	Lead (Pb) <0.005%
	Insolubles in water	<0.005%	Copper (Cu) <0.001%
	Loss on drying	<0.05 %	Iron (Fe) <0.002%
	Chloride (Cl)	<0.001%	Calcium (Ca) <0.002%
	Sulfate (SO_4)	<0.005%	Sodium (Na) <0.02 %
60200	purum p.a. fine crystals	500 g 9. —	1 kg 15. —
	Fluka-Guarantee:		
	Assay	>99.0 %	Lead (Pb) <0.005%
	Chloride (Cl)	<0.005%	Iron (Fe) <0.005%
	Sulfate (SO_4)	<0.005%	Zinc (Zn) <0.005%
	Copper (Cu)	<0.005%	Calcium (Ca) <0.005%
60210	Potassium dicyanoaurate(II) purum ~68% Au (Potassium goldcyanide) 6.1/31a KAu(CN)_2 C_2AuKN_2 M_r 288.10 [13967-50-5]	1 g 85. —	5 g 355. —
60215	Potassium dihydrogen citrate purum p.a. (Citric acid Monopotassium salt) $\text{KH}_2\text{C}_6\text{H}_5\text{O}_7$ $\text{C}_6\text{H}_7\text{KO}_7$ M_r 230.22 [866-83-1]	250 g 8. —	1 kg 25. —
	Fluka-Guarantee:		
	Assay	>98.0 %	Copper (Cu) <0.005%
	pH (5% solution in water, 20°C)	3.5-4.0	Lead (Pb) <0.005%
	Chloride (Cl)	<0.005%	Iron (Fe) <0.005%
	Sulfate (SO_4)	<0.005%	Zinc (Zn) <0.005%
			Calcium (Ca) <0.005%
	Potassium dihydrogen phosphate (prim.-Potassium phosphate; Monopotassium phosphate) KH_2PO_4 $\text{H}_2\text{KO}_4\text{P}$ M_r 136.09 [7778-77-0]		
60220	puriss. p.a.	100 g 7. —	500 g 13. —
	Fluka-Guarantee:		
	Loss on drying	<0.2%	Insolubles in water <0.005%
	pH (1% solution in water, 20°C)	4.4-4.7	Chloride (Cl) <0.001%
			Sulfate (SO_4) <0.002%

(continues next page)

sFr.

sFr.

Potassium dihydrogen phosphate (continue)

60230

purum p.a.

500 g 8.—

1 kg 13.—

Fluka-Guarantee:

Assay

>98.0%

Copper (Cu)

<0.005%

pH (5% solution in water,
20°C)

4.0-4.5

Lead (Pb)

<0.005%

Iron (Fe)

<0.005%

Chloride (Cl)

<0.01%

Zinc (Zn)

<0.005%

Sulfate (SO₄)

<0.01%

Calcium (Ca)

<0.005%

**Potassium ethylxanthogenate** (Ethylxanthic acid Potassium salt; Potassium O-ethyl dithiocarbonate;

Potassium xanthogenate)

C₂H₅OCSSK C₃H₅KOS₂ M_r 160.30 [140-89-6]

60040

puriss. p.a. >99%(NT)

100 g 18.—

500 g 75.—

60050

purum p.a. >97%(NT)

1 kg 15.—

2.5 kg 33.—

Potassium ferricyanide see 60300 Potassium hexacyanoferrate(III)**Potassium ferrocyanide** see 60280 Potassium hexacyanoferrate(II)**Potassium fluoride**8/15 KF FK M_r 58.10 [7789-23-3]

60239

puriss. p.a. very hygroscopic

250 g 10.—

1 kg 32.—

Fluka-Guarantee:

Assay (Cl)

>99.0 %

Hexafluorosilicate (SiF₆)

<0.05 %

Chloride (Cl)

<0.005%

Copper (Cu)

<0.001%

Sulfate (SO₄)

<0.02 %

Lead (Pb)

<0.001%

Free Acid (as HF)

<0.05 %

Iron (Fe)

<0.001%

Free Alkali (as KOH)

<0.05 %

Zinc (Zn)

<0.001%

60240

purum 99%

250 g 7.—

1 kg 20.—



60243

Potassium formate purum p.a. (Formic acid Potassium salt)

500 g 15.—

HCOOK CHKO₂ M_r 84.12 [590-29-4]

Fluka-Guarantee:

Assay

>98.0 %

Lead (Pb)

<0.005%

Chloride (Cl)

<0.005%

Iron (Fe)

<0.005%

Sulfate (SO₄)

<0.005%

Zinc (Zn)

<0.005%

Copper (Cu)

<0.005%

Calcium (Ca)

<0.02 %



60245

Potassium-D-gluconate puriss. p.a. (D-Gluconic acid Potassium salt)

250 g 14.—

1 kg 50.—

OCH₂(CHOH)₄COOK C₆H₁₁KO₇ M_r 234.24 [299-27-4]

Fluka-Guarantee:

Assay

>99.5 %

Lead (Pb)

<0.0005%

pH (5% solution in water,
20°C)

6.5-7.5

Chromium (Cr)

<0.0005%

Nickel (Ni)

<0.0005%

Chloride (Cl)

<0.0005%

Zinc (Zn)

<0.0005%

Sulfate (SO₄)

<0.0005%

Calcium (Ca)

<0.005 %

Copper (Cu)

<0.0005%

**Potassium L-glutamate** see 49601 L-Glutamic acid Monopotassium salt**Potassium goldbromide** see 60540 Potassium tetrabromoaurate(III)**Potassium goldchloride** see 60550 Potassium tetrachloroaurate(III)**Potassium goldcyanide** see 60210 Potassium dicyanoaurate(I)**Potassium graphite**

60247

purum; Reagent for selective monoalkylation of aliphatic nitriles and esters in the
α-position: D. Savoia et al., Tetrahedron Lett. 653 (1977); reagent for the cleavage
of sulfones: D. Savoia et al., J. Chem. Soc. Perkin I, 123 (1977)

Ampoules with 10 g 95.—

60250

Potassium hexachloropalladate(IV) puriss. ~26.8% Pd (Potassium palladiumchloride)

1 g 28.—

5 g 120.—

K₂PdCl₆ Cl₆K₂Pd M_r 397.32 [16919-73-6]

60260

Potassium hexachloroplatinate(IV) puriss. ~40% Pt (Potassium platinumchloride)

1 g 40.—

5 g 145.—

K₂PtCl₆ Cl₆K₂Pt M_r 486.01 [16921-30-5]**Potassium hexacyanoferrate(II)** (Potassium ferrocyanide)K₄Fe(CN)₆·3H₂O C₆FeK₄N₆·3H₂O M_r 422.41 [14459-95-1]

60280

puriss. p.a.

250 g 7.—

1 kg 22.—

Fluka-Guarantee:

Insolubles in water

<0.005%

Sulfate (SO₄)

<0.005%

Chloride (Cl)

<0.01 %

Carbonate (as CO₃)

<0.002%



				sFr.	sFr.
60290	purum p.a. fine crystals			500 g 8. —	1 kg 14. —
	Fluka-Guarantee:				
	Assay	>98.0 %	Lead (Pb)	<0.005%	
	Chloride (Cl)	<0.05 %	Zinc (Zn)	<0.005%	
	Sulfate (SO ₄)	<0.05 %	Calcium (Ca)	<0.005%	
	Copper (Cu)	<0.005%			
					
	Potassium hexacyanoferrate(III) (Potassium ferricyanide)				
	K ₃ Fe(CN) ₆ C ₆ FeK ₃ N ₆ M _r 329.26 [13746-66-2]				
60300	puriss. p.a.			100 g 7. —	500 g 20. —
	Fluka-Guarantee:				
	Insolubles in water	<0.01 %	Sulfate (SO ₄)	<0.005%	
	Chloride (Cl)	<0.005%	Hexacyanoferrate(II)	<0.025%	
60310	purum p.a. fine crystals; H ₂ O <1.0%			250 g 7. —	1 kg 22. —
	Fluka-Guarantee:				
	Assay	>98.0 %	Lead (Pb)	<0.005%	
	Sulfate (SO ₄)	<0.005%	Zinc (Zn)	<0.005%	
	Copper (Cu)	<0.005%	Calcium (Ca)	<0.005%	
					
60321	Potassium hexafluorophosphate purum >98%(K)			25 g 9. —	100 g 28. —
	KPF ₆ F ₆ KP M _r 184.07 [17084-13-8]				
60324	Potassium hexafluorotitanate(IV) purum p.a.			250 g 7. —	1 kg 15. —
	K ₂ (TiF ₆) F ₆ K ₂ Ti M _r 240.09 [16919-27-0]				
	Potassium hexathiocyanatochromate(III) see 60150 Potassium chromiumthiocyanate				
60328	Potassium hydride ~20% in Oil pract.			25 g 33. —	100 g 120. —
	4.3/2a KH HK M _r 40.11 [7693-26-7]				
60340	Potassium hydrogen carbonate purum p.a. fine crystals Ph. Helv. (Potassium bicarbonate)			1 kg 9. —	5 kg 34. —
	KHCO ₃ CHKO ₃ M _r 100.12 [298-14-6]				
	Fluka-Guarantee:				
	Assay	>99.0 %	Iron (Fe)	<0.005%	
	Chloride (Cl)	<0.01 %	Zinc (Zn)	<0.005%	
	Copper (Cu)	<0.005%	Calcium (Ca)	<0.005%	
	Lead (Pb)	<0.005%			
					
60350	Potassium hydrogen iodate puriss. p.a.; Titration Standard (Potassium biiodate)			100 g 25. —	500 g 105. —
	6.1/21 KH(IO ₃) ₂ HI ₂ KO ₆ M _r 389.92 [13455-24-8]				
	Fluka-Guarantee:				
	Assay (dried)	>99.8%	Insolubles in water	<0.15%	
60355	di-Potassium hydrogen phosphate purum p.a. powder			500 g 9. —	1 kg 15. —
	K ₂ HPO ₄ HK ₂ O ₄ P M _r 174.18 [7758-11-4]				
	Fluka-Guarantee:				
	Assay	>98.0 %	Lead (Pb)	<0.005%	
	pH (5% solution in water, 20°C)	8.5-9.5	Iron (Fe)	<0.005%	
			Zinc (Zn)	<0.01 %	
	Chloride (Cl)	<0.005%	Calcium (Ca)	<0.005%	
	Copper (Cu)	<0.005%			
					
	Potassium hydrogen phthalate (Phthalic acid Monopotassium salt; Potassium biphthalate)				
	HOOC ₂ C ₆ H ₄ OOK C ₈ H ₅ KO ₄ M _r 204.23 [877-24-7]				
60360	puriss. p.a.			100 g 7. —	500 g 18. —
	Fluka-Guarantee:				
	Assay	>99.9 %	Lead (Pb)	<0.0005%	
	pH (5% solution in water, 20°C)	3.9	Iron (Fe)	<0.0005%	
			Zinc (Zn)	<0.0005%	
	Chloride (Cl)	<0.005 %	Sodium (Na)	<0.005 %	
	Sulfate (SO ₄)	<0.005 %	Cadmium (Cd)	<0.0005%	
	Copper (Cu)	<0.0005%			
					
60363	Potassium hydrogen sulfate purum p.a.			500 g 8. —	1 kg 12. —
	KHSO ₄ HKO ₄ S M _r 136.17 [7646-93-7]				
	Fluka-Guarantee:				
	Assay	>98.0 %	Iron (Fe)	<0.005%	
	Chloride (Cl)	<0.005%	Zinc (Zn)	<0.005%	
	Copper (Cu)	<0.005%	Calcium (Ca)	<0.01 %	
	Lead (Pb)	<0.005%			
					



					sFr.	sFr.
60365	Potassium hydrogen L-tartrate purum p.a. [L(+) - Tartaric acid Monopotassium salt] HOOCCH(OH)CH(OH)COOK C ₄ H ₆ KO ₆ M _r 188.18 [868-14-4]				250 g 8.—	1 kg 22.—
	Fluka-Guarantee:					
	Assay	>98.0 %	Lead (Pb)	<0.005%		
	Chloride (Cl)	<0.005%	Iron (Fe)	<0.005%		
	Sulfate (SO ₄)	<0.005%	Zinc (Zn)	<0.005%		
	Copper (Cu)	<0.005%	Calcium (Ca)	<0.005%		
	Potassium hydroxide					
	8/31a KOH HKO M _r 56.11 [1310-58-3]					
60370	puriss. p.a.; in Pellets				250 g 7.—	1 kg 11.— 5 kg 46.—
	Fluka-Guarantee:					
	Assay (as KOH)	>86.0 %	Silicondioxide (SiO ₂)	<0.0003%		
	Potassium carbonate	<0.6 %	Heavy metals (as Ag)	<0.001 %		
	Chloride (Cl)	<0.001%	Iron (Fe)	<0.0005%		
	Sulfate (SO ₄)	<0.001%	Aluminum (Al)	<0.001 %		
	Phosphate (PO ₄)	<0.001%	Calcium (Ca)	<0.001 %		
60375	purum Ph. Eur.; in Pellets				1 kg 10.—	5 kg 40.—
	Fluka-Guarantee:					
	Assay	>85.0 %	Aluminum (Al)	<0.003%		
	Potassium carbonate (K ₂ CO ₃)	<0.8 %	Iron (Fe)	<0.001%		
	Sulfate (SO ₄)	<0.001 %	Silver (Ag)	<0.001%		
	Chloride (Cl)	<0.001 %	Calcium (Ca)	<0.001%		
	Silicondioxide (SiO ₂)	<0.0005%	Total nitrogen (N)	<0.001%		
			Phosphate (PO ₄)	<0.001%		
60382	pract. 88-92%(T); in Flakes				1 kg 8.—	2.5 kg 16.— 10 kg 55.—
60390	Potassium iodate puriss. p.a. 5.1/4a KIO ₃ IKO ₃ M _r 214.00 [7758-05-6]				100 g 11.—	500 g 44.—
	Fluka-Guarantee:					
	Assay (dried)	>99.5 %	Iodide (I)	<0.0025%		
	Loss on drying	<0.05 %	Sulfate (SO ₄)	<0.005 %		
	Insolubles in water	<0.005%	Heavy metals (as Pb)	<0.001 %		
	Free acid (HIO ₃)	<0.01 %	Iron (Fe)	<0.001 %		
	Free Alkali (as KOH)	<0.003%	Sodium (Na)	<0.01 %		
	Chloride, Chlorate, Bromide (as Cl)	<0.02 %				
	Potassium iodide					
	KI IK M _r 166.01 [7681-11-0]					
60400	puriss. p.a.				100 g 10.—	500 g 37.—
	Fluka-Guarantee:					
	Assay (argentometr.)	>99.5 %	Iodate (IO ₃)	<0.0003 %		
	Insolubles in water	<0.005%	Thiosulfate (S ₂ O ₃)	<0.0025 %		
	Moisture at 105°	<0.1 %	Heavy metals (as Pb)	<0.001 %		
	pH (5% solution in water, 20°C)	5.0-7.5	Iron (Fe)	<0.0005 %		
	Chloride and Bromide (as Cl)	<0.01 %	Sodium (Na)	<0.03 %		
	Sulfate (SO ₄)	<0.001%	Calcium (Ca)	<0.001 %		
			Arsenic (As)	<0.00001%		
60405	purum p.a. Ph. Helv.				250 g 13.—	1 kg 45.—
	Fluka-Guarantee:					
	Assay	>98.0 %	Lead (Pb)	<0.005%		
	Chloride (Cl)	<0.005%	Iron (Fe)	<0.005%		
	Sulfate (SO ₄)	<0.005%	Zinc (Zn)	<0.005%		
	Copper (Cu)	<0.005%	Calcium (Ca)	<0.005%		
	Potassium magnesium L-aspartate see 11250 L-Aspartic acid Potassium Magnesium salt					
	Potassium metabisulfate see 60509 Potassium pyrosulfite					
	Potassium-(2-methyl-2-butylate) see 60435 Potassium tert-pentylate					
	Potassium monoethyl malonate see 63400 mono-Ethyl malonate Potassium salt					
	Potassium monomethyl malonate see 63405 mono-Methyl malonate Potassium salt					
72410	Potassium nicotinate purum >98%(NT); M.P. >300° (Nicotinic acid Potassium salt) CH:NCH:CHCH:CCOOK C ₆ H ₄ KNO ₂ M _r 161.21 [16518-17-5]				100 g 10.—	500 g 42.—

					sFr.	sFr.
60411	Potassium niobium(V) fluoride purum 8/15b K_2NbF_7 K_2F_7Nb M_r 304.10 [16924-03-1]				50 g 24.—	250 g 100.—
60415	Potassium nitrate purum p.a. 5.1/7 KNO_3 M_r 101.11 [7757-79-1] Fluka-Guarantee: Assay >98.0 % pH (5% solution in water, 20°C) 5.0-8.0 Chloride (Cl) <0.005% Sulfate (SO ₄) <0.005% Copper (Cu) <0.005% Lead (Pb) <0.005% Iron (Fe) <0.005% Zinc (Zn) <0.005%				1 kg 10.—	5 kg 40.—
60417	Potassium nitrite purum p.a. 5.1/8 KNO_2 M_r 85.11 [7758-09-0] Fluka-Guarantee: Assay >98.0 % Chloride (Cl) <0.01 % Sulfate (SO ₄) <0.005% Copper (Cu) <0.005% Lead (Pb) <0.005% Iron (Fe) <0.005% Zinc (Zn) <0.005% Calcium (Ca) <0.01 %				250 g 14.—	1 kg 50.—
60418	Potassium nonafluorobutanesulfonate $C_4F_9KO_3S$ M_r 338.19 [29420-49-3] purum >97% (T); Reagent for the in situ preparation of trimethylsilyl nonaflate which is a highly reactive silylating agent: H. Vorbrüggen, K. Krolkiewicz, Synthesis 34 (1979)				10 g 13.—	50 g 55.—
60420	Potassium oleate techn. ~60-70% (GC) (as oleic acid) (Oleic acid Potassium salt) $CH_3(CH_2)_7CH:CH(CH_2)_7COOK$ $C_{18}H_{33}KO_2$ M_r 320.56 [143-18-0]				250 g 8.—	1 kg 25.—
60425	Potassium oxalate purum p.a. (Oxalic acid Potassium salt) 6.1/81g $(COOK)_2 \cdot H_2O$ $C_2K_2O_4 \cdot H_2O$ M_r 184.24 [583-52-8] Fluka-Guarantee: Assay >98.0 % pH (5% solution in water, 20°C) 7.2-8.2 Chloride (Cl) <0.005% Sulfate (SO ₄) <0.005% Copper (Cu) <0.005% Lead (Pb) <0.005% Iron (Fe) <0.005% Zinc (Zn) <0.005% Calcium (Ca) <0.005%				250 g 7.—	1 kg 16.—
	Potassium palladium chloride see 60250 Potassium hexachloropalladate(IV)					
	Potassium palladium chloride see 60560 Potassium tetrachloropalladate(II)					
60435	Potassium tert-pentylate [Potassium-(2-methyl-2-butylate)] $(CH_3)_3CCH_2OK$ $C_6H_{11}KO$ M_r 126.25 [41233-93-6] pract. 25% in Toluene			1 lt ≈ 0.87 kg	250 ml 13.—	1 lt 45.—
60440	Potassium perchlorate puriss. >99% (T) 5.1/4b $KClO_4$ $ClKO_4$ M_r 138.55 [7778-74-7]				250 g 7.—	1 kg 15.—
60450	Potassium (meta)periodate puriss. p.a. 5.1/4b KIO_4 IKO_4 M_r 230.00 [7790-21-8] Fluka-Guarantee: Assay (iodometric) >99.5 % Loss on drying (at 105°C) <0.1 % Insolubles in water <0.005% Chloride, Chlorate, Bromide (as Cl) <0.01 % Sulfate (SO ₄) <0.01 % Manganese (Mn) <0.0001%				100 g 18.—	500 g 75.—
60460	Potassium permanganate 5.1/9c $KMnO_4$ M_r 158.04 [7722-64-7] puriss. p.a. Fluka-Guarantee: Assay >99.5 % Chloride (Cl) <0.003% Sulfate (SO ₄) <0.003% Total nitrogen (N) <0.003% Heavy metals (as Pb) <0.005 % Iron (Fe) <0.002 % Arsenic (As) <0.0001%			100 g 7.—	500 g 13.—	2.5 kg 55.—
60470	purum p.a. fine crystals; Ph. Eur. Fluka-Guarantee: Assay >98.0 % Copper (Cu) <0.005% Lead (Pb) <0.005% Iron (Fe) <0.005% Zinc (Zn) <0.005%				500 g 8.—	1 kg 14.—

						sFr.	sFr.
0.1 N Potassium permanganate Solution							
60472	Adjusted against Sodium oxalate; Factor 1.000±0.2%			1 lt ≈ 1.00 kg	1 lt 16. —		
60475	Potassium peroxide purum 5.1/9a KO ₂ M _r 71.10 [12030-88-5]				50 g 45. —		
Potassium peroxydisulfate see 60489 Potassium persulfate							
60480	Potassium perrhenate puriss. >99%(T) 5.1/9a KReO ₄ KO ₄ Re M _r 289.30 [10466-65-6]				1 g 50. — 5 g 210. —		
Potassium persulfate (Potassium peroxydisulfate) 5.1/9a K ₂ S ₂ O ₈ K ₂ O ₈ S ₂ M _r 270.33 [7727-21-7]							
60489	puriss. p.a. Fluka-Guarantee: Assay (iodometric) >99.0 % Heavy metals (as Pb) <0.003 % Insolubles in water <0.01 % Iron (Fe) <0.001 % Chloride (Cl) <0.005% Manganese (Mn) <0.0001%				250 g 7. — 1 kg 18. —		
60490	purum p.a. Fluka-Guarantee: Assay >98.0 % Iron (Fe) <0.005% Chloride (Cl) <0.005% Zinc (Zn) <0.005% Copper (Cu) <0.005% Calcium (Ca) <0.01 % Lead (Pb) <0.005%				500 g 8. — 1 kg 12. —		
60495	tri-Potassium phosphate Monohydrate purum p.a. K ₃ PO ₄ ·H ₂ O M _r 230.29 [7778-53-2] Fluka-Guarantee: Assay >95.0 % Iron (Fe) <0.005% Loss on ignition <13 % Zinc (Zn) <0.005% Copper (Cu) <0.005% Calcium (Ca) <0.005% Lead (Pb) <0.005%				250 g 9. — 1 kg 28. —		
prim.-Potassium phosphate see 60220 Potassium dihydrogen phosphate							
Potassium phthalimide see 79790 Phthalimide Potassium salt							
Potassium platinum chloride see 60260 Potassium hexachloroplatinate(IV)							
Potassium platinum chloride see 60570 Potassium tetrachloroplatinate(II)							
Potassium platinum cyanide see 60590 Potassium tetracyanoplatinate(II) Trihydrate							
60500	Potassium pyroantimonate puriss. p.a. 6.1/75 KSbO ₃ ·3H ₂ O KO ₃ Sb·3H ₂ O M _r 262.90 [10090-54-7]				100 g 13. — 500 g 55. —		
Potassium pyrosulfite (Potassium metabisulfite) 8/41 K ₂ S ₂ O ₅ K ₂ O ₅ S ₂ M _r 222.33 [16731-55-8]							
60509	purum p.a. Fluka-Guarantee: Assay >98.0 % Iron (Fe) <0.005% Chloride (Cl) <0.005% Zinc (Zn) <0.005% Copper (Cu) <0.005% Calcium (Ca) <0.005% Lead (Pb) <0.005%				1 kg 9. —		
60510	purum Photo quality; >97%(NT); 1 g clearly and colourless soluble in 10 ml water				1 kg 9. —		
Potassium rhodizonate (Rhodizonic acid Potassium salt) QC(CO) ₃ C(OK):COK C ₆ K ₂ O ₈ M _r 246.27 [13021-40-4]							
60530	puriss. p.a. Titration indicator for: Ba, SO ₄ ²⁻ ; for the determination of: Ba, Pb, Sn, SO ₄ ²⁻ , Sr				10 g 35. — 50 g 145. —		
Potassium selenocyanate 6.1/31c KSeCN CKNSe M _r 144.08 [3425-46-5]							
60531	pract. >95%(NT); M.P. ~90° dec.; Reagent for the stereoselective conversion of epoxides into alkenes; Review: D. L. J. Clive, Tetrahedron 34, 1049 (1978)				25 g 16. — 100 g 55. —		
Potassium sodium tartrate [L(+) -Tartaric acid Potassium Sodium salt] C ₄ H ₄ KNaO ₆ ·4H ₂ O M _r 282.23 [304-59-6]							
60410	purum p.a. cryst. Ph. Helv.; [α] _D ²⁰ +23±2° (c = 1 in water) Fluka-Guarantee: Assay >98.0 % Lead (Pb) <0.005% Chloride (Cl) <0.005% Iron (Fe) <0.005% Sulfate (SO ₄) <0.005% Zinc (Zn) <0.005% Copper (Cu) <0.005% Calcium (Ca) <0.005%			500 g 10. —	1 kg 18. —	2.5 kg 40. —	



sFr.

sFr.

Potassium sorbate see 85520 Sorbic acid Potassium salt**Potassium sulfate** K_2SO_4 K_2O_4S M_r 174.27 [7778-80-5]

60532

puriss. p.a. Ph. Helv.

250 g 7. —

1 kg 14. —

Fluka-Guarantee:

Assay	>99.0 %	Iron (Fe)	<0.0005%
pH (5% solution in water, 20°C)	6.0-8.0	Magnesium (Mg)	<0.002 %
Chloride (Cl)	<0.0005%	Calcium (Ca)	<0.005 %
Total nitrogen (N)	<0.0005%	Sodium (Na)	<0.005 %
Heavy metals (as Pb)	<0.0005%	Arsenic (As)	<0.0001%



60533

purum p.a.

1 kg 9. —

5 kg 32. —

Fluka-Guarantee:

Assay	>98.0 %	Copper (Cu)	<0.005%
pH (5% solution in water, 20°C)	6.0-8.0	Lead (Pb)	<0.005%
Chloride (Cl)	<0.01 %	Iron (Fe)	<0.005%
		Zinc (Zn)	<0.005%



60535

Potassium sulfite anhydrous purum p.a.

1 kg 13. —

 K_2SO_3 K_2O_3S M_r 158.27 [10117-38-1]

Fluka-Guarantee:

Assay	>97.0 %	Iron (Fe)	<0.005%
Chloride (Cl)	<0.005%	Zinc (Zn)	<0.005%
Copper (Cu)	<0.005%	Calcium (Ca)	<0.005%
Lead (Pb)	<0.005%		



60538

di-Potassium tartrate purum p.a. cryst. DAB [L(+) - Tartaric acid Dipotassium salt]

250 g 9. —

1 kg 28. —

 $KOOC(CHOH)_2COOK \cdot \frac{1}{2}H_2O$ $C_4H_4K_2O_6 \cdot \frac{1}{2}H_2O$ M_r 235.29 [921-53-9]

Fluka-Guarantee:

Assay	>98.0 %	Lead (Pb)	<0.005%
Chloride (Cl)	<0.005%	Iron (Fe)	<0.005%
Sulfate (SO_4)	<0.005%	Zinc (Zn)	<0.005%
Copper (Cu)	<0.005%	Calcium (Ca)	<0.005%



60539

Potassium tellurite purum ~97%(NT)

10 g 8. —

50 g 29. —

 $K_2TeO_3 \cdot H_2O$ $K_2O_3Te \cdot H_2O$ M_r 271.82 [7790-58-1]

60541

Potassium tetraborate purum >99%(T)

1 kg 12. —

 $K_2B_4O_7 \cdot 4H_2O$ $B_4K_2O_7 \cdot 4H_2O$ M_r 305.50 [12045-78-2]

60540

Potassium tetrabromoaurate(III) puriss. ~35% Au (Potassium gold bromide)

1 g 30. —

 $KAuBr_4$ $AuBr_4K$ M_r 555.70 [13966-47-7]

60550

Potassium tetrachloroaurate(III) purum 52% Au (Potassium gold chloride)

1 g 38. —

5 g 160. —

 $KAuCl_4$ $AuCl_4K$ M_r 377.88 [13682-61-6]

60560

Potassium tetrachloropalladate(II) puriss. ~32.5% Pd (Potassium palladium chloride)

1 g 13. —

5 g 55. —

 K_2PdCl_4 Cl_4K_2Pd M_r 326.42 [10025-98-6]

60570

Potassium tetrachloroplatinate(II) purum ~47% Pt (Potassium platinum chloride)

1 g 38. —

 K_2PtCl_4 Cl_4K_2Pt M_r 415.11 [10025-99-7]**Potassium tetracyanoplatinate(II)** (Potassium platinumcyanide)6.1/31a $K_2Pt(CN)_4$ $C_4K_2N_4Pt$ M_r 377.37 [14323-36-5]

60590

puriss. ~45% Pt

1 g 55. —

Potassium tetrafluoroborate see 60070 Potassium borofluoride

60592

Potassium tetraoxalate Dihydrate puriss. p.a. (Oxalic acid Hemipotassium salt)

100 g 9. —

500 g 39. —

 $KH_3(C_2O_4)_2 \cdot 2H_2O$ $C_4H_3KO_8 \cdot 2H_2O$ M_r 254.20 [6100-20-5]

Fluka-Guarantee:

Assay	>99.5 %	Heavy metals (as Pb)	<0.001%
Sulfate (SO_4)	<0.005 %	Calcium (Ca)	<0.002%
Total nitrogen (N)	<0.003 %	Sodium (Na)	<0.01 %
Iron (Fe)	<0.0005%		



60593

Potassium tetrathionate purum p.a. for Microbiology

50 g 13. —

100 g 25. —

 $K_2S_4O_6$ $K_2O_6S_4$ M_r 302.46 [13932-13-3]

Fluka-Guarantee:

Assay	>98.0 %	Iron (Fe)	<0.005%
Thiosulfate (S_2O_3)	<0.05 %	Zinc (Zn)	<0.005%
Copper (Cu)	<0.005%	Calcium (Ca)	<0.005%
Lead (Pb)	<0.005%		



						sFr.	sFr.
60595	Potassium thioacetate purum >98%(NT) (Thioacetic acid Potassium salt) 6.1/81a CH_3COSK $\text{C}_2\text{H}_3\text{KOS}$ M_r 114.21 [10387-40-3]					25 g 20.—	100 g 70.—
60600	Potassium thiocarbonate pract. 85-90%(RT) (Potassium trithiocarbonate) K_2CS_3 CK_2S_3 M_r 186.41 [26750-66-3]					25 g 20.—	100 g 70.—
60519	Potassium thiocyanate 6.1/31a KSCN CKNS M_r 97.18 [333-20-0] puriss. p.a. Fluka-Guarantee: Assay >99.0 % Cadmium (Cd) <0.0001% Chloride (Cl) <0.005 % Iron (Fe) <0.0001% Sulfate (SO_4) <0.005 % Nickel (Ni) <0.0001% Sulfide (S) <0.001 % Cobalt (Co) <0.0001% Copper (Cu) <0.0001% Sodium (Na) <0.02 % Lead (Pb) <0.0001% Ammonium (NH_4) <0.001 % Zinc (Zn) <0.0001%					250 g 10.—	1 kg 32.—
60520	purum p.a. Fluka-Guarantee: Assay >98.0 % Lead (Pb) <0.005% Chloride (Cl) <0.01 % Iron (Fe) <0.005% Sulfate (SO_4) <0.01 % Zinc (Zn) <0.005% Copper (Cu) <0.005% Calcium (Ca) <0.005%					1 kg 22.—	2.5 kg 50.—
60604	Potassium thiotosylate purum >97%(RT) $\text{CH}_3\text{C}_6\text{H}_4\text{SO}_2\text{SK}$ $\text{C}_7\text{H}_7\text{KO}_2\text{S}_2$ M_r 226.36 [28519-50-8]					25 g 22.—	100 g 80.—
60605	Potassium tri-sec-butylborohydride purum 0.5 mol solution in Tetrahydrofuran 3/1a $\text{K}[\text{CH}(\text{CH}_3)\text{CH}_2\text{CH}_3]_3\text{BH}$ $\text{C}_{12}\text{H}_{28}\text{BK}$ M_r 222.27 [54575-49-4]					500 ml 125.—	
	Potassium 2,4,5-trichlorobenzenesulfonate see 91190 2,4,5-Trichlorobenzenesulfonic acid Potassium salt						
	Potassium trithiocarbonate see 60600 Potassium thiocarbonate						
	Potassium xanthogenate see 60040 Potassium ethylxanthogenate						
	PPB see 42820 trans,trans-1,4-Diphenyl-1,3-butadiene						
81490	Praseodymium puriss. in pieces 99.9%; +0.1% Ce + Nd Pr A_r 140.91 [7440-10-0]					1 g 12.—	5 g 50.—
81495	Praseodymium nitrate Hydrate purum $\text{Pr}(\text{NO}_3)_3 \cdot 5\text{H}_2\text{O}$ $\text{N}_3\text{O}_9\text{Pr} \cdot 5\text{H}_2\text{O}$ M_r 416.92 [10361-80-5]					10 g 15.—	50 g 44.—
81500	Praseodymium(III, IV) oxide puriss. 99.9%; +0.1% CeO_2 + Nd_2O_3 Pr_6O_{11} M_r 1021.44 [12037-29-5]					10 g 15.—	50 g 44.—
	Praseodymium-Shift see 81507 Praseodymium(III) tris(2,2,6,6-tetramethyl-3,5-heptanedionate)						
	Praseodymium tris(dipivaloylmethane) see 81507 Praseodymium(III) tris(2,2,6,6-tetramethylheptane-3,5-dionate)						
81505	Praseodymium(III) tris(1,1,1,2,2,3,3-heptafluoro-7,7-dimethyl-4,6-octadionate) purum $\text{C}_{30}\text{H}_{30}\text{F}_{21}\text{O}_6\text{Pr}$ M_r 1026.44 [17978-77-7]					250 mg 10.—	1 g 25.—
81507	Praseodymium(III) tris(2,2,6,6-tetramethyl-3,5-heptanedionate) [Praseodymium tris(dipivaloylmethane); Praseodymium-shift] $\text{Pr}[(\text{CH}_3)_3\text{CCOCHCOC}(\text{CH}_3)_3]_3$ $\text{C}_{33}\text{H}_{57}\text{O}_6\text{Pr}$ M_r 690.73 [15492-48-5] purum					1 g 25.—	5 g 105.—
81540	Prednisolone acetate (21-Acetoxy-1,4-pregnadiene-11 β ,17 α -diol-3,20-dione) $\text{C}_{23}\text{H}_{30}\text{O}_6$ M_r 402.49 [52-21-1] purum M.P. 240-243°; $[\alpha]_{540}^{20} + 140 \pm 2^\circ$; $[\alpha]_D^{20} + 116 \pm 2^\circ$ (c = 1 in Dioxane)					1 g 15.—	5 g 63.—
81550	Prednisone (1,4-Pregnadiene-17 α ,21-diol-3,11,20-trione) $\text{C}_{21}\text{H}_{26}\text{O}_5$ M_r 358.44 [53-03-2] purum M.P. 228-232° dec.; $[\alpha]_{540}^{20} + 209 \pm 2^\circ$; $[\alpha]_D^{20} + 170 \pm 2^\circ$ (c = 1 in Dioxane)					1 g 18.—	5 g 75.—
	1,4-Pregnadiene-17α,21-diol-3,11,20-trione see 81550 Prednisone						
81570	5β-Pregnane-3α,20α-diol ("Pregnanediol") $\text{C}_{21}\text{H}_{36}\text{O}_2$ M_r 320.52 [80-92-2] purum M.P. 236-238°; $[\alpha]_{540}^{20} + 31 \pm 2^\circ$; $[\alpha]_D^{20} + 26 \pm 2^\circ$ (c = 1 in Ethanol)					250 mg 26.—	1 g 95.—



		sFr.	sFr.
81580	5β-Pregnane-3α,20β-diol purum M.P. 231-233°; $[\alpha]_{546}^{20} + 22 \pm 1^\circ$; $[\alpha]_{546}^{20} + 19 \pm 1^\circ$ (c = 1 in Ethanol) $C_{21}H_{36}O_2$ M_r 320.52 [80-91-1]	100 mg 50. —	
	4-Pregnene-11β,21-diol-3,20-dione see 27840 Corticosterone		
	4-Pregnene-17α,21-diol-3,20-dione see 31100 11-Deoxy-17α-hydroxycorticosterone		
	4-Pregnene-17α,21-diol-3,11,20-trione see 27860 Cortisone		
	4-Pregnene-3,20-dione see 81700 Progesterone		
	4-Pregnene-11β,17α,21-triol-3,20-dione see 54080 Hydrocortisone		
	4-Pregnene-11β,18,21-triol-3,20-dione see 55145 18-Hydroxycorticosterone		
	4-Pregnen-17α-ol-3,20-dione see 56240 17α-Hydroxyprogesterone		
	4-Pregnen-18-ol-3,20-dione see 56243 18-Hydroxyprogesterone		
	4-Pregnen-21-ol-3,20-dione see 30990 11-Deoxycorticosterone		
	5-Pregnen-3β-ol-20-one (3β-Hydroxy-5-pregnen-20-one) $C_{21}H_{32}O_2$ M_r 316.49 [145-13-1]		
81630	purum M.P. 188-190°; $[\alpha]_{546}^{20} + 37 \pm 1^\circ$; $[\alpha]_{546}^{20} + 27 \pm 1^\circ$ (c = 1 in Ethanol)	5 g 24. —	25 g 100. —
	5-Pregnen-3β-ol-20-one acetate (3β-Acetoxy-5-pregnen-20-one) $C_{23}H_{34}O_3$ M_r 358.52 [1778-02-5]		
81640	purum M.P. 148-150°; $[\alpha]_{546}^{20} + 24 \pm 2^\circ$; $[\alpha]_{546}^{20} + 19 \pm 2^\circ$ (c = 1 in Ethanol)	5 g 18. —	25 g 75. —
	4-Pregnen-21-ol-3,11,20-trione see 30860 11-Dehydrocorticosterone		
	4-Pregnen-11β,17α,21-triol-3,20-dione see 54080 Hydrocortisone		
81660	Primuline [C.I. Nr. 49000; Sch. Nr. 932] Standard Fluka for Microscopy (Fl.) $C_{21}H_{14}N_3NaO_3S_3$ M_r 475.56 [30113-37-2]	100 g 20. —	500 g 85. —
	Pro-Celloidine (Celloidin conc.)		
81680	4.1/7a; 14° Standard Fluka for the preparation of Celloidin-Solution; Embedding material for Microscopy; moistened with 35% Isopropyl alcohol; store in refrigerator	100 g 8. —	1 kg 50. —
	Proflavine hemisulfate (3,6-Diamino-acridine sulfate) $[NH_2C_6H_3CH:C_6H_3(NH_2):N]_2 \cdot H_2SO_4 \cdot H_2O$ ($C_{13}H_{11}N_3$) ₂ · H ₂ SO ₄ · H ₂ O M_r 552.62 [1811-28-5]		
81690	p.a. M.P. >300°; Ash <0.1%	10 g 10. —	50 g 42. —
	Proflavine monohydrochloride (3,6-Diaminoacridine monohydrochloride) $C_{13}H_{11}N_3 \cdot HCl$ M_r 245.80 [952-23-8]		
81685	purum Ph. Helv.; >97% (Cl); H ₂ O ~3%	10 g 10. —	50 g 42. —
	Progesterone (4-Pregnene-3,20-dione) $C_{21}H_{30}O_2$ M_r 314.47 [57-83-0]		
81700	puriss. p.a. >99% (HPLC); M.P. 128-130°; $[\alpha]_{546}^{20} + 223 \pm 3^\circ$; $[\alpha]_{546}^{20} + 184 \pm 3^\circ$ (c = 2 in Dioxane); Standard for the photometric determination of Progesterone	25 mg 31. —	
81702	purum Ph. Helv.; >98% (HPLC); M.P. 127-130°; $[\alpha]_{546}^{20} + 220 \pm 3^\circ$; $[\alpha]_{546}^{20} + 182 \pm 3^\circ$ (c = 2 in Dioxane)	5 g 15. —	25 g 63. —
	L-Proline (Pyrrolidine-2-carboxylic acid) $NH(CH_2)_3CHCOOH$ $C_5H_9NO_2$ M_r 115.13 [147-85-3]		
81710	puriss. p.a. $[\alpha]_{546}^{20} - 100.5 \pm 0.5^\circ$; $[\alpha]_{546}^{20} - 84.8 \pm 0.5^\circ$ (c = 5 in water)	10 g 10. —	50 g 37. —
	Fluka-Guarantee:		
	Assay >99.0%	Ammonium (NH ₄) <0.01 %	
	Other amino acids <0.3 %	Copper (Cu) <0.0001%	
	Loss on drying <0.2 %	Lead (Pb) <0.0001%	
	Residue on ignition (as SO ₄) <0.1 %	Iron (Fe) <0.0005%	
	Chloride (Cl) <0.01%	Zinc (Zn) <0.0001%	
	Sulfate (SO ₄) <0.01%	Cadmium (Cd) <0.0001%	
81705	D-Proline puriss. >99% (NT); M.P. ~220-223° dec.; $[\alpha]_{546}^{20} + 101 \pm 3^\circ$; $[\alpha]_{546}^{20} + 85 \pm 2^\circ$ (c = 5 in water) $NH(CH_2)_3CHCOOH$ $C_5H_9NO_2$ M_r 115.13 [344-25-2]	1 g 22. —	5 g 90. —
81720	DL-Proline puriss. CHR; ~99% (NT); M.P. ~210° dec.; 0.5-1% water $NH(CH_2)_3CHCOOH$ $C_5H_9NO_2$ M_r 115.13 [609-36-9]	5 g 32. —	25 g 135. —
	L-Proline benzyl ester hydrochloride $NH(CH_2)_3CHCOOCH_2C_6H_5 \cdot HCl$ $C_{12}H_{15}NO_2 \cdot HCl$ M_r 241.81 [16652-71-4]		
81723	puriss. ~99% (Cl); M.P. 148-149°; $[\alpha]_{546}^{20} - 52 \pm 1^\circ$; $[\alpha]_{546}^{20} - 44 \pm 1^\circ$ (c = 1 in Methanol)	1 g 12. —	5 g 50. —



				sFr.	sFr.
81725	L-Proline tert-butyl ester Dibenzenesulfimide salt puriss. $\text{NH}(\text{CH}_2)_3\text{CHCOOC}(\text{CH}_3)_3 \cdot \text{C}_{12}\text{H}_{11}\text{NO}_4\text{S}_2$ $\text{C}_9\text{H}_{17}\text{NO}_2 \cdot \text{C}_{12}\text{H}_{11}\text{NO}_4\text{S}_2$ M_r 468.59 [2812-46-6] (free ester)			1 g 15.—	5 g 63.—
81740	L-Proline methylester hydrochloride $\text{NH}(\text{CH}_2)_3\text{CHCOOCH}_3 \cdot \text{HCl}$ $\text{C}_6\text{H}_{11}\text{NO}_2 \cdot \text{HCl}$ M_r 165.62 [2133-40-6] puriss. CHR; $\sim 99\%$ (Cl); M.P. 68-71°; $[\alpha]_{540}^{20} - 38 \pm 2^\circ$; $[\alpha]_D^{20} - 33 \pm 2^\circ$ (c = 1 in water); store in refrigerator			5 g 34.—	25 g 145.—
81752	Propane (Alkan C_3) 2/3b $\text{CH}_3\text{CH}_2\text{CH}_3$ C_3H_8 M_r 44.10 [74-98-6] puriss. $>99.9\%$ (GC) + Isobutane		Cyl. with 0.5 lt, net ~ 200 g	600.—	
81764	purum $>99\%$ (GC)		Cyl. with 19 lt, net ~ 9 kg 670.—	(price of gas 440.—)	
1,3-Propanediamine see 33250 1,3-Diaminopropane					
82280	1,2-Propanediol (Propylene glycol) $\text{CH}_3\text{CH}(\text{OH})\text{CH}_2\text{OH}$ $\text{C}_3\text{H}_8\text{O}_2$ M_r 76.10 [57-55-6] puriss. p.a. B.P. ₁₁ 84-86°; d_4^{20} 1.04; n_D^{20} 1.433 Fluka-Guarantee: Assay (GC) $>99.5\%$ % Lead (Pb) $<0.00001\%$ Acid (as CH_3COOH) $<0.006\%$ % Cobalt (Co) $<0.00001\%$ Chloride (Cl) $<0.005\%$ % Nickel (Ni) $<0.00001\%$ Sulfate (SO_4) $<0.002\%$ % Cadmium (Cd) $<0.00001\%$ Iron (Fe) $<0.00005\%$ % Zinc (Zn) $<0.00005\%$ Copper (Cu) $<0.00001\%$		1 lt ≈ 1.04 kg	250 ml 9.—	1 lt 28.—
82282	purum $>98\%$ (GC); B.P. ₁₁ 83-85°; d_4^{20} 1.036; n_D^{20} 1.433		1 lt ≈ 1.04 kg	1 lt 11.—	5 lt 44.—
81780	1,3-Propanediol (Trimethylene glycol) $\text{HO}(\text{CH}_2)_3\text{OH}$ $\text{C}_3\text{H}_8\text{O}_2$ M_r 76.10 [504-63-2] purum $>98\%$ (GC); B.P. ₁₀ 104-106°; d_4^{20} 1.053; n_D^{20} 1.439		1 lt ≈ 1.05 kg	100 ml 12.—	500 ml 50.—
81790	1,2-Propanedithiol (1,2-Dimercaptopropane; Propylene dimercaptan) 3/4; 62° $\text{CH}_3\text{CH}(\text{SH})\text{CH}_2\text{SH}$ $\text{C}_3\text{H}_8\text{S}_2$ M_r 108.22 [814-67-5] pract. $\sim 95\%$ (GC); B.P. ₁₁ 41-43°; d_4^{20} 1.063; n_D^{20} 1.532		1 lt ≈ 1.06 kg	50 ml 20.—	250 ml 85.—
81800	1,3-Propanedithiol (1,3-Dimercaptopropane; Trimethylene dimercaptan) 3/4; 62° $\text{HS}(\text{CH}_2)_3\text{SH}$ $\text{C}_3\text{H}_8\text{S}_2$ M_r 108.22 [109-80-8] purum $\sim 97\%$ (GC); B.P. ₁₁ 58-60°; d_4^{20} 1.076; n_D^{20} 1.539	1 lt ≈ 1.08 kg	10 ml 10.—	50 ml 40.—	250 ml 165.—
82370	1-Propanethiol (Mercaptan C_3 ; Propyl mercaptan) 3/1a; -10° $\text{CH}_3\text{CH}_2\text{CH}_2\text{SH}$ $\text{C}_3\text{H}_8\text{S}$ M_r 76.16 [107-03-9] purum $>97\%$ (GC); B.P. 66-68°; d_4^{20} 0.840; n_D^{20} 1.438	1 lt ≈ 0.84 kg	250 ml 12.—	1 lt 40.—	
59590	2-Propanethiol (Isopropyl mercaptan) 3/1a; -10° $(\text{CH}_3)_2\text{CHSH}$ $\text{C}_3\text{H}_8\text{S}$ M_r 76.16 [75-33-2] purum $>97\%$ (GC); B.P. 57-60°; d_4^{20} 0.814; n_D^{20} 1.425	1 lt ≈ 0.81 kg	500 ml 20.—	1 lt 38.—	
1,2,3-Propanetricarboxylic acid see 91050 Tricarballic acid					
1-Propanol see 82089 Propyl alcohol					
2-Propanol see 59300 Isopropyl alcohol					
Propargylacetic acid see 77055 4-Pentynoic acid					
81820	Propargyl alcohol (2-Propyn-1-ol) 6.1/13; 33° $\text{HC}\equiv\text{CCH}_2\text{OH}$ $\text{C}_3\text{H}_4\text{O}$ M_r 56.06 [107-19-7] purum $>99\%$ (GC); B.P. 113-115°; d_4^{20} 0.947; n_D^{20} 1.432	1 lt ≈ 0.95 kg	250 ml 14.—	1 lt 40.—	
Propargyl aldehyde diethylacetal see 31648 3,3-Diethoxy-1-propyne					
81827	Propargylamine hydrochloride (3-Amino-1-propyne hydrochloride) $\text{HC}\equiv\text{CCH}_2\text{NH}_2 \cdot \text{HCl}$ $\text{C}_3\text{H}_5\text{N} \cdot \text{HCl}$ M_r 91.54 [15430-52-1] pract. $>98\%$ (Cl); M.P. 178-180°			10 g 65.—	
81830	Propargyl bromide (3-Bromo-1-propyne) 3/1a; 18° $\text{HC}\equiv\text{CCH}_2\text{Br}$ $\text{C}_3\text{H}_3\text{Br}$ M_r 118.97 [106-96-7] purum $\sim 97\%$ (GC); B.P. 82-85°; d_4^{20} 1.577; n_D^{20} 1.494; store in refrigerator	1 lt ≈ 1.58 kg	50 ml 13.—	250 ml 55.—	



				sFr.	sFr.
Propargyl chloride (3-Chloro-1-propyne)					
3/1a; -1° HC≡CCH ₂ Cl C ₃ H ₃ Cl M _r 74.51 [624-65-7]					
81839	purum >97%(GC); B.P. 57-58°; d ₄ ²⁰ 1.040; n _D ²⁰ 1.434	1 lt ≈ 1.04 kg	100 ml 20. —	500 ml 85. —	
81841	pract. ~96%(GC); B.P. 58-61°; d ₄ ²⁰ 1.038; n _D ²⁰ 1.435	1 lt ≈ 1.04 kg	250 ml 24. —	1 lt 90. —	
Propargyltriphenylphosphonium bromide					
6.1/81a HC≡CCH ₂ P(Br)(C ₆ H ₅) ₃ C ₂₁ H ₁₈ BrP M _r 381.26 [2091-46-5]					
81843	purum >99%(Br); M.P. 161-163°; A Wittig-Reagent: E. E. Schweizer, S. De Voe Goff, W. P. Murray, J. Org. Chem. 42, 200 (1977)		5 g 20. —	25 g 85. —	
cis-Propene-1,2,3-tricarboxylic acid see 01590 cis-Aconitic acid					
trans-Propene-1,2,3-tricarboxylic acid see 01600 trans-Aconitic acid					
cis-Propene-1,2,3-tricarboxylic anhydride see 01621 cis-Aconitic anhydride					
2-Propen-1-ol see 05790 Allyl alcohol					
trans-Propenylbenzene see 78970 trans-1-Phenyl-1-propene					
β-Propiolactone (3-Hydroxypropionic acid lactone; 2-Oxetanone)					
6.1/13 QCH ₂ CH ₂ CO C ₃ H ₄ O ₂ M _r 72.06 [57-57-8]					
81850	puriss. B.P. ₁₀ 48-50°; d ₄ ²⁰ 1.145; Polymerizes easily to white flakes; Inhalation and contact with skin should be avoided; store in refrigerator	1 lt ≈ 1.14 kg	5 ml 10. —	100 ml 50. —	
81852	purum B.P. ₁₀ 47-51°; d ₄ ²⁰ 1.14; Polymerizes easily to white flakes; Inhalation and contact with skin should be avoided; store in refrigerator	1 lt ≈ 1.14 kg	100 ml 18. —	500 ml 75. —	1 lt 145. —
Propiolic acid					
8/21; 64° HC≡CCOOH C ₃ H ₂ O ₂ M _r 70.05 [471-25-0]					
81860	purum ~97%(T); M.P. 16-18°; B.P. 144° (Lit.); d ₄ ²⁰ 1.140; n _D ²⁰ 1.434	1 lt ≈ 1.14 kg	5 ml 15. —	25 ml 63. —	100 ml 225. —
Propionaldehyde (Aldehyde C ₃)					
3/1a; -9° CH ₃ CH ₂ CHO C ₃ H ₆ O M _r 58.08 [123-38-6]					
81870	purum ~98%(GC); B.P. 47-49°; d ₄ ²⁰ 0.80; n _D ²⁰ 1.371; ~2% Propionic acid	1 lt ≈ 0.80 kg	250 ml 7. —	1 lt 16. —	
Propionaldehyde cyanohydrin (2-Hydroxybutyronitrile)					
6.1/21 CH ₃ CH ₂ CH(OH)CN C ₄ H ₇ NO M _r 85.11 [4476-02-2]					
81880	purum B.P. ₁₅ 96-98°; d ₄ ²⁰ 0.962; n _D ²⁰ 1.414	1 lt ≈ 0.96 kg	25 ml 22. —	100 ml 80. —	
81890	Propionaldehyde diethyl acetal purum (1,1-Diethoxypropane)	1 lt ≈ 0.83 kg	100 ml 18. —	500 ml 75. —	
3/1a; 12° CH ₃ CH ₂ CH(OC ₂ H ₅) ₂ C ₇ H ₁₆ O ₂ M _r 132.20 [4744-08-5]					
Propionic acid (Carboxylic acid C ₃)					
8/21d; 51° CH ₃ CH ₂ COOH C ₃ H ₆ O ₂ M _r 74.08 [79-09-4]					
81910	puriss. p.a. B.P. 141-142°; d ₄ ²⁰ 0.992; n _D ²⁰ 1.387	1 lt ≈ 0.99 kg	250 ml 10. —	1 lt 32. —	
Fluka-Guarantee:					
Assay (GC) >99.5 % Copper (Cu) <0.00001%					
Iron (Fe) <0.00005% Lead (Pb) <0.00001%					
Nickel (Ni) <0.00001% Cadmium (Cd) <0.00001%					
Cobalt (Co) <0.00001% Zinc (Zn) <0.00001%					
81912	purum >99%(GC); B.P. 140-142°; d ₄ ²⁰ 0.992; n _D ²⁰ 1.387	1 lt ≈ 0.99 kg	1 lt 12. —	2.5 lt 24. —	
21230	Propionic acid Calcium salt purum ~97%(NT); H ₂ O ~3% (Calcium propionate)		250 g 7. —	1 kg 18. —	
(CH ₃ CH ₂ COO) ₂ Ca C ₆ H ₁₀ CaO ₄ M _r 186.22 [4075-81-4]					
Propionic anhydride					
8/21d; 74° (CH ₃ CH ₂ CO) ₂ O C ₆ H ₁₀ O ₃ M _r 130.15 [123-62-6]					
81940	puriss. ~99%(NT); B.P. 166-168°; d ₄ ²⁰ 1.012; n _D ²⁰ 1.406	1 lt ≈ 1.01 kg	100 ml 8. —	500 ml 29. —	
81942	purum ~97%(NT); B.P. 165-168°; d ₄ ²⁰ 1.010; n _D ²⁰ 1.404	1 lt ≈ 1.01 kg	250 ml 8. —	1 lt 25. —	
Propionitrile (Ethyl cyanide; Nitrile C ₃)					
6.1/2b; 9° CH ₃ CH ₂ CN C ₃ H ₅ N M _r 55.08 [107-12-0]					
81900	purum >99%(GC); B.P. 95-97°; d ₄ ²⁰ 0.781; n _D ²⁰ 1.366	1 lt ≈ 0.78 kg	250 ml 9. —	1 lt 28. —	
81970	Propionyl chloride purum >98%(Cl); B.P. 78-80°; d ₄ ²⁰ 1.059; n _D ²⁰ 1.405	1 lt ≈ 1.06 kg	250 ml 10. —	1 lt 32. —	
8/22; 12° CH ₃ CH ₂ COCl C ₃ H ₅ ClO M _r 92.53 [79-03-8]					
82010	Propionylcholine iodide purum >98%(I); M.P. 125-126°		1 g 8. —	5 g 26. —	
(CH ₃) ₃ N(I)CH ₂ CH ₂ OCOCH ₂ CH ₃ C ₈ H ₁₈ INO ₂ M _r 287.14 [2494-55-5]					



sFr.

sFr.

Propionylformic acid see 75820 2-Oxobutyric acid**17 β -Propionyloxy-4-androsten-3-one** see 86540 Testosterone propionate**Propiophenone** (Ethyl phenyl ketone)3/4; 99° C₆H₅COC₂H₅ C₉H₁₀O M_r 134.18 [93-55-0]82050 purum >99%(GC); M.P. 17-19°; B.P.₁₀ 87-90°; d₄²⁰ 1.009;
n_D²⁰ 1.527

1 lt ≈ 1.01 kg

250 ml 13.—

1 lt 45.—

46050 **Propyl acetate** pract. >95%(GC); B.P. 99-102°; d₄²⁰ 0.887; n_D²⁰ 1.384
3/1a; 14° CH₃COOCH₂CH₂CH₃ C₆H₁₀O₂ M_r 102.14 [109-60-4]

1 lt ≈ 0.89 kg

250 ml 8.—

1 lt 25.—

Propyl alcohol (Alcohol C₃; 1-Propanol)3/3; 25° CH₃CH₂CH₂OH C₃H₈O M_r 60.10 [71-23-8]

82089 for Sequential analysis

1 lt ≈ 0.80 kg

250 ml 20.—

82090 puriss. p.a. B.P. 97-98°; d₄²⁰ 0.804; n_D²⁰ 1.385

1 lt ≈ 0.80 kg

1 lt 15.—

2.5 lt 40.—

Fluka-Guarantee:

Assay (GC)	>99.5 %	Ketone (as CH ₃ COCH ₃)	<0.05 %
Methanol (GC)	<0.1 %	Calcium (Ca)	<0.00001 %
Ethanol (GC)	<0.1 %	Chromium (Cr)	<0.00001 %
2-Propanol (GC)	<0.1 %	Manganese (Mn)	<0.000005 %
Free acid		Potassium (K)	<0.00001 %
(as C ₂ H ₅ COOH)	<0.001 %	Sodium (Na)	<0.0005 %
H ₂ SO ₄ -Probe	passes test	Iron (Fe)	<0.00005 %
Water (H ₂ O)	<0.1 %	Copper (Cu)	<0.000005 %
Residue on evaporation	<0.001 %	Lead (Pb)	<0.000005 %
Aldehyde		Zinc (Zn)	<0.00001 %
(as C ₂ H ₅ CHO)	<0.005 %	Cadmium (Cd)	<0.000005 %

82092 purum >99%(GC); B.P. 96-98°; d₄²⁰ 0.804; n_D²⁰ 1.385;
H₂O <0.3%

1 lt ≈ 0.80 kg

1 lt 12.—

5 lt 50.—

sec-Propyl alcohol see 59300 Isopropyl alcohol**Propylamine** (Amine C₃; 1-Aminopropane)3/5; -10° CH₃CH₂CH₂NH₂ C₃H₉N M_r 59.11 [107-10-8]82100 puriss. >99%(GC); B.P. 46-48°; d₄²⁰ 0.716;
n_D²⁰ 1.388

1 lt ≈ 0.72 kg

100 ml 7.—

500 ml 17.—

1 lt 32.—

82110 **Propylamine hydrochloride** puriss. >99%(Cl); M.P. 160-162°
CH₃CH₂CH₂NH₂.HCl C₃H₉N.HCl M_r 95.57 [556-53-6]

25 g 13.—

100 g 40.—

2-Propylaminoethylamine see 82081 N-Propylethylenediamine**Propylbenzene** (1-Phenylpropane)3/3; 42° C₆H₅CH₂CH₂CH₃ C₉H₁₂ M_r 120.20 [103-65-1]82119 puriss. >99%(GC); B.P. 157-159°; d₄²⁰ 0.862; n_D²⁰ 1.491

1 lt ≈ 0.86 kg

25 ml 14.—

100 ml 50.—

82120 purum >97%(GC); B.P. 156-159°; d₄²⁰ 0.861; n_D²⁰ 1.492

1 lt ≈ 0.86 kg

250 ml 17.—

1 lt 60.—

Propyl bromide see 82140 1-Bromopropane19370 **Propyl butyrate** purum >99%(GC); B.P. 142-144°; d₄²⁰ 0.87; n_D²⁰ 1.400

1 lt ≈ 0.87 kg

100 ml 12.—

500 ml 50.—

3/3; 37° CH₃CH₂CH₂COOCH₂CH₂CH₃ C₇H₁₄O₂ M_r 130.19 [105-66-8]**Propyl chloride** see 82149 1-Chloropropane**Propyl cyanide** see 20750 Butyronitrile82180 **Propylcyclopentane** purum >99%(GC) (1-Cyclopentylpropane)

1 lt ≈ 0.78 kg

5 ml 29.—

25 ml 120.—

3/1a; 18° CH₂(CH₂)₃CHCH₂CH₂CH₃ C₈H₁₆ M_r 112.22 [2040-96-2]**Propyl disulfide** (Dipropyl disulfide)6.1/81g; 64° CH₃CH₂CH₂SSCH₂CH₂CH₃ C₆H₁₄S₂ M_r 150.31 [629-19-6]43550 purum >97%(GC); B.P. 195° (Lit.); d₄²⁰ 0.957; n_D²⁰ 1.498

1 lt ≈ 0.96 kg

100 ml 28.—

500 ml 120.—

Propylene2/3b CH₃CH:CH₂ C₃H₆ M_r 42.08 [115-07-1]82212 puriss. >99.9%(GC) + Propane + CO₂; d₄²⁰ 0.514

Cyl. with 0.5 lt, net ~200 g

840.—

82222 purum >98%(GC)

Cyl. with 2.0 lt, net ~0.8 kg

360.— (price of gas 180.—)

82224 Cyl. with 12.0 lt, net ~5.0 kg

520.— (price of gas 300.—)

Propylene carbonate (4-Methyl-1,3-dioxolan-2-one)QCH(CH₃)CH₂O₂C C₄H₆O₃ M_r 102.09 [108-32-7]

82228 for pesticide residue analysis; Distilled in Glass; Original packaging

1 quart ≈ 0.95 lt

50.—

for Burdick and Jackson Laboratories Inc.

82229 purum >99%(GC); B.P. 235-239°; d₄²⁰ 1.204; n_D²⁰ 1.422

1 lt ≈ 1.20 kg

250 ml 8.—

1 lt 22.—



sFr.

sFr

Propylene chlorohydrin see 82240 Chloropropanol

Propylenediamine see 82250 1,2-Diaminopropane

Propylene dibromide see 82260 1,2-Dibromopropane

Propylene dichloride see 82270 1,2-Dichloropropane

Propylene dimercaptan see 81790 1,2-Propanedithiol

Propylene glycol see 82280 1,2-Propanediol

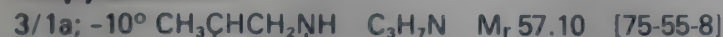
Propylene glycol monolaurate



82290 techn. $\sim 85\%$ (GC); d_4^{20} 0.91; n_D^{20} 1.446 1 lt $\approx$ 0.91 kg 1 lt 25. —

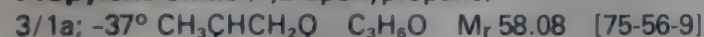
Propylene glycol monomethyl ether see 65280 1-Methoxy-2-propanol

Propyleneimine



82310 purum $>98\%$ (GC); B.P. $66-68^\circ$; d_4^{20} 0.807; stab. with Sodium hydroxide; store in refrigerator 1 lt $\approx$ 0.81 kg 100 ml 25. — 500 ml 105. —

Propylene oxide (1,2-Epoxypropane)



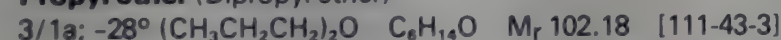
82320 puriss. p.a. $>99.5\%$ (GC); B.P. $34-35^\circ$; d_4^{20} 0.829; n_D^{20} 1.366 1 lt $\approx$ 0.83 kg 250 ml 7. — 1 lt 12. — 2.5 lt 26. —

Propylene sulfide



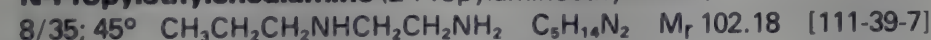
82330 purum $\sim 98\%$ (GC); B.P. $74-76^\circ$; d_4^{20} 0.941; n_D^{20} 1.475; store in refrigerator 1 lt $\approx$ 0.94 kg 25 ml 16. — 100 ml 55. —

Propyl ether (Dipropyl ether)



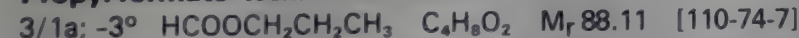
43460 puriss. $>99.5\%$ (GC); B.P. $89-90^\circ$; d_4^{20} 0.744; n_D^{20} 1.380 1 lt $\approx$ 0.74 kg 25 ml 10. — 100 ml 35. —
43470 techn. $\sim 85\%$ (GC); B.P. $89-91^\circ$; d_4^{20} 0.74; n_D^{20} 1.380 1 lt $\approx$ 0.74 kg 100 ml 7. — 500 ml 24. —

N-Propylthylenediamine (2-Propylaminoethylamine)



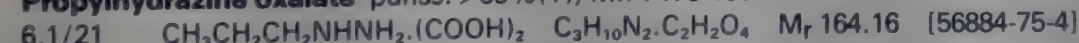
82081 pract. $>97\%$ (GC); d_4^{20} 0.836; n_D^{20} 1.441 1 lt $\approx$ 0.84 kg 10 ml 22. — 50 ml 90. —

06560 **Propyl formate** techn. 80-85%(GC) 1 lt $\approx$ 0.90 kg 100 ml 14. — 500 ml 60. —



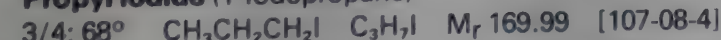
48710 **Propyl gallate** purum $>98\%$ (T); M.P. $145-147^\circ$; Antioxidant 100 g 22. — 500 g 90. —
(HO) $_3\text{C}_6\text{H}_2\text{COOCH}_2\text{CH}_2\text{CH}_3$ $\text{C}_{10}\text{H}_{12}\text{O}_5$ M_r 212.20 [121-79-9]

82340 **Propylhydrazine oxalate** puriss. $>99\%$ (T); M.P. $178-180^\circ$ 5 g 34. —



54790 **Propyl 4-hydroxybenzoate** purum Ph. Helv.; $>99\%$ (NT); M.P. $95-97^\circ$ 100 g 7. — 500 g 21. —
 $\text{HOC}_6\text{H}_4\text{COOCH}_2\text{CH}_2\text{CH}_3$ $\text{C}_{10}\text{H}_{12}\text{O}_3$ M_r 180.21 [94-13-3]

Propyl iodide (1-Iodopropane)



82350 purum $>99\%$ (GC); B.P. $100-102^\circ$; d_4^{20} 1.745; n_D^{20} 1.505; stab. with Silver wool 1 lt $\approx$ 1.75 kg 100 ml 25. — 500 ml 90. —

Propyl isocyanate



82360 pract. $\sim 97\%$ (GC); B.P. $81-84^\circ$; d_4^{20} 0.896; n_D^{20} 1.395 1 lt $\approx$ 0.90 kg 100 ml 18. — 500 ml 75. —

Propyl isovalerate

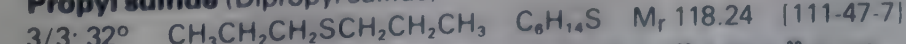


59875 purum $>98\%$ (GC); d_4^{20} 0.861; n_D^{20} 1.403 1 lt $\approx$ 0.86 kg 100 ml 14. — 500 ml 60. —

Propyl mercaptan see 82370 1-Propanethiol

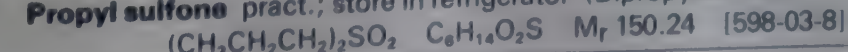
($\pm$)-2-Propylpiperidine see 27760 ($\pm$)-Coniine

Propyl sulfide (Dipropyl sulfide)



43590 techn. $>90\%$ (GC); B.P. $142-143^\circ$ (Lit.); d_4^{20} 0.87; n_D^{20} 1.449 1 lt $\approx$ 0.87 kg 50 ml 32. —

43600 **Propyl sulfone** pract.; store in refrigerator (Dipropylsulfone) 25 g 24. — 100 g 90. —



		sFr.	sFr.
	4(6)-Propyl-2-thiouracil (4-Hydroxy-2-mercapto-6-propylpyrimidine) $\text{CH}_3\text{CH}_2\text{CH}_2\text{C}(\text{CHCONHCSNH})$ $\text{C}_7\text{H}_{10}\text{N}_2\text{OS}$ M_r 170.23 [51-52-5] purum USP; ~98%(UV); M.P. 218-220°; Ash <0.1%	25 g 16. —	100 g 55. —

Propyl o-tolyl ketone see 66150 2-Methylbutyrophenone

Propyl vinyl carbinol see 53040 1-Hexene-3-ol

2-Propyn-1-ol see 81820 Propargyl alcohol

Protease see 82490 Proteinase

82490	Proteinase ex <i>Bacillus subtilis</i> var. <i>biotocus</i> A (EC 3.4.21.14) (Protease; Subtilisin Carlsberg; Subtilo peptidase A) [9014-01-1] puriss. cryst., lyophilized; 1000 U/mg; store in refrigerator	100 mg 40. —	500 mg 170. —
-------	--	--------------	---------------

Protein Modification see green section

Proteins-other than Enzymes see green section

Protein Sequence Analysis see green section

Protocatechuic acid see 37580 3,4-Dihydroxybenzoic acid

82510	Protoporphyrin-"IX" dimethylester (Ooporphyrin dimethyl ester) $\text{C}_{36}\text{H}_{38}\text{N}_4\text{O}_4$ M_r 590.73 [5522-66-7] purum >98%(UV); M.P. 221-223° dec.	100 mg 38. —	1 g 300. —
-------	--	--------------	------------

82512	Protoporphyrin-"IX" Disodium salt purum loos on drying <4% $\text{C}_{34}\text{H}_{32}\text{N}_4\text{Na}_2\text{O}_4$ M_r 606.64 [50865-01-5]	1 g 20. —	5 g 85. —
-------	--	-----------	-----------

82530	Protoveratrine B puriss. $[\alpha]_D^{20} -42 \pm 2^\circ$ (c = 1 in Pyridine) 6.1/81e $\text{C}_{41}\text{H}_{63}\text{NO}_{15}$ M_r 809.96 [124-97-0]	100 mg 8. —	1 g 50. —
-------	---	-------------	-----------

Provitamin A see 22040 β -Carotene

Provitamin D₂ see 45480 Ergosterol

Provitamin D₃ see 30800 7-Dehydrocholesterol

82540	Pseudocumene (1,2,4-Trimethylbenzene) 3/3; 48° C_9H_{12} M_r 120.20 [95-63-6] puriss. Standard for GC; >99.5%(GC); M.P. -43.7°; B.P. 168-169°; d_4^{20} 0.876; n_D^{20} 1.505	1 lt $\approx$ 0.88 kg	10 ml 30. —	50 ml 125. —
82541	puriss. p.a. >99.5%(GC); B.P. 167-169°; d_4^{20} 0.876; n_D^{20} 1.505	1 lt $\approx$ 0.88 kg	250 ml 14. —	1 lt 50. —
82542	purum >98%(GC); B.P. 166-169°; d_4^{20} 0.876; n_D^{20} 1.505	1 lt $\approx$ 0.88 kg	1 lt 15. —	2.5 lt 33. —

Pseudodigitoxin see 48950 Gitoxin

82545	(+)-Pseudoephedrine [(+)- Ψ -Ephedrine] 6.1/81e $\text{C}_9\text{H}_{15}\text{NO}$ M_r 165.23 [90-82-4] purum M.P. 117-119°; $[\alpha]_D^{20} +62.5 \pm 2^\circ$; $[\alpha]_D^{20} +52.0 \pm 2^\circ$ (c = 0.6 in Ethanol)	10 g 10. —	50 g 40. —
-------	---	------------	------------

2,4-Pteridinol see 62651 Lumazine

82551	Pterine puriss. CHR; ~99%(UV); M.P. >300° (2-Amino-4-hydroxypteridine) $\text{C}_6\text{H}_5\text{N}_5\text{O}$ M_r 163.14 [2236-60-4]	100 mg 60. —	
-------	--	--------------	--

82553	Pterine-6-carboxylic acid (2-Amino-4-hydroxypteridin-6-carboxylic acid) $\text{C}_7\text{H}_5\text{N}_5\text{O}_3$ M_r 207.15 [948-60-7] purum ~97%(UV); M.P. >300°	100 mg 40. —	
-------	--	--------------	--

82554	Pterine-7-carboxylic acid (2-Amino-4-hydroxypteridin-7-carboxylic acid) $\text{C}_7\text{H}_5\text{N}_5\text{O}_3$ M_r 207.15 [31010-60-3] purum M.P. >300°	100 mg 50. —	
-------	--	--------------	--

Pteridines (Pterines) see green section

Pteroylglutamic acid see 47620 Folic acid

PTH-Amino acids, kit see 09420 Amino acids phenylthiohydantoins

PTH(Br)-Amino acids, kit see 09422 Amino acids 4-bromophenylthiohydantoins

PTH(Cl)-Amino acids, kit see 09424 Amino acids 4-chlorophenylthiohydantoins

PTH(F)-Amino acids, kit see 09426 Amino acids 4-fluorophenylthiohydantoins

			sFr.	sFr.
	R(+)-Pulegone [(+)-p-Menth-4(8)-en-3-one]			
	3/3; 55° (CH ₃) ₂ C:CHCH ₂ CH ₂ CH(CH ₃)CH ₂ CO C ₁₀ H ₁₆ O M _r 152.24 [89-82-7]			
82569	puriss. ~99%(GC); B.P. 223-224°; d ₄ ²⁰ 0.935; n _D ²⁰ 1.487; [α] _D ²⁰ +30.0±1°; [α] _D ²⁰ +23.5±1°	1 lt ≈ 0.94 kg	5 ml 24. —	25 ml 100. —
82570	purum ~96%(GC); B.P. 43-45°; d ₄ ²⁰ 0.935; n _D ²⁰ 1.487; [α] _D ²⁰ +29±1°	1 lt ≈ 0.94 kg	25 ml 63. —	
82572	techn. ~65-75%(GC); d ₄ ²⁰ 0.920; n _D ²⁰ 1.478	1 lt ≈ 0.92 kg	100 ml 28. —	500 ml 120. —
82580	Purine puriss. CHR >99%(HPLC); M.P. 214-216°; store in refrigerator C ₅ H ₄ N ₄ M _r 120.12 [120-73-0]		100 mg 9. —	1 g 60. —
	Purine-9-β-D-ribofuranoside (Nebularine)			
	C ₁₀ H ₁₂ N ₄ O ₄ M _r 252.23 [550-33-4]			
82590	purum >98%(N); M.P. 178-180°; [α] _D ²⁰ -56±2°; [α] _D ²⁰ -48±2° (c = 1 in water); store in refrigerator		100 mg 25. —	

Purines see "Purines and Pyrimidines" green section

	6-Purinethiol see 63810 6-Mercaptopurine			
82600	Purpurogallin techn. ~65%; M.P. ~274° dec. (Pyrogalloquinone) (HO) ₃ C ₆ HCOCH(OH):CHCH:CH C ₁₁ H ₆ O ₅ M _r 220.18 [569-77-7]		10 g 16. —	50 g 67. —
	Putrescine see 32790 1,4-Diaminobutane			
	PVPP see 81385 Polyvinylpolypyrrolidone			
	Pyoctaninum aureum see 11340 Auramine O			
	2H-Pyran-2-one see 83193 α-Pyrone			
	4H-Pyran-4-one see 83195 γ-Pyrone			
	Pyrazinamine see 09332 Aminopyrazine			
82610	Pyrazine purum >98%(GC); M.P. 51-53°; B.P. 113° (Lit.); Ash >0.05% N:CHCH:NCH:CH C ₄ H ₄ N ₂ M _r 80.09 [290-37-9]		5 g 9. —	25 g 35. —
82612	Pyrazinecarboxamide purum >99%(N); M.P. 189-191° (Pyrazinamide) CH:NCH:CHN:CONH ₂ C ₅ H ₅ N ₃ O M _r 123.12 [98-96-4]		25 g 18. —	100 g 65. —
82611	Pyrazinecarboxylic acid purum >98%(T); M.P. 222-225° dec.; Ash <0.5% CH:NCH:CHN:CCOOH C ₅ H ₄ N ₂ O ₂ M _r 124.10 [98-97-5]		25 g 18. —	100 g 65. —
82613	Pyrazine-2,3-dicarboxylic acid purum >98%(T); M.P. ~185-190° dec. N:CHCH:NC(COOH):CCOOH C ₆ H ₄ N ₂ O ₄ M _r 168.11 [89-01-0]		25 g 26. —	100 g 95. —
	3-Pyrazolamine see 09335 3-Aminopyrazole			
82620	Pyrazole purum >98%(GC); M.P. 67-70°; 1 g clearly soluble in 10 ml Methanol NHN:CHCH:CH C ₃ H ₄ N ₂ M _r 68.08 [288-13-1]		10 g 13. —	50 g 55. —
	Pyrazole-3,5-dicarboxylic acid			
	NHN:C(COOH)CH:CCOOH.H ₂ O C ₅ H ₄ N ₂ O ₄ .H ₂ O M _r 174.12 [3112-31-0]			
82640	purum >98%(T); M.P. ~295-300° dec.; Ash <0.05%; 1 g clearly soluble in 10 ml Methanol		5 g 24. —	
	1-Pyrenamine see 09336 1-Aminopyrene			
	Pyrene			
	6.1/81g C ₁₆ H ₁₀ M _r 202.26 [129-00-0]			
82650	purum ~97%(GC); M.P. 148-150°; may contain some Tetracene		100 g 18. —	500 g 75. —
82652	pract. ~90-95%(GC); M.P. 145-148°; may contain some Tetracene		100 g 11. —	500 g 46. —
	4-(3-Pyrenyl)butyric acid			
	C ₂₀ H ₁₆ O ₂ M _r 288.35 [3443-45-6]			
82653	purum >99%(T); M.P. 185-187°; fluorescent chromophore for protein studies: J.A. Knopp; I.S. Longmuir, Biochim. Biophys. Acta 279, 393 (1972)		1 g 20. —	5 g 85. —
	N-(3-Pyrenyl)maleimide			
	C ₂₀ H ₁₁ NO ₂ M _r 297.32 [42189-56-0]			
82656	puriss. biochim. M.P. 229-230°; "a long lifetime fluorescent sulfhydryl-reagent": J.K. Weltman et al., J. Biol. Chem. 248, 3173 (1973); Ch.-W. Wu, L.R. Yarbrough and F.Y.-H. Wu, Biochemistry 15, 2863 (1976)		250 mg 21. —	1 g 75. —
82670	Pyrethrum-Extract ~25% Pyrethrine; d ₄ ²⁰ 0.865; n _D ²⁰ 2.464; store in refrigerator		25 g 12. —	100 g 40. —

			sFr.	sFr.
82680	Pyridazine purum >98%(GC); M.P. -7--6°; d_4^{20} 1.107; n_D^{20} 1.524 N:NCH:CHCH:CH $C_4H_4N_2$ M_r 80.09 [289-80-5]	1 lt $\approx$ 1.11 kg	10 ml 20.—	50 ml 85.—
	3,6-Pyridazinediol see 63270 Maleic hydrazide			
82690	α-Pyridil purum M.P. 152-155° N:CHCH:CHCH:CCOCOÇ:CHCH:CHCH:N $C_{12}H_8N_2O_2$ M_r 212.21 [492-73-9]		25 g 29.—	100 g 105.—
	Pyridine 3/5; 20° N:CHCH:CHCH:CH C_5H_5N M_r 79.10 [110-86-1]			
82700	for UV-Spectroscopy Fluka-Guarantee: Layer thickness: 1 cm; Reference cell: water Wave length in nm: 310 320 330 340 350 360 Transmittance in %: 45 73 84 93 97 >99	1 lt $\approx$ 0.98 kg	250 ml 23.—	1 lt 85.—
82701	for sequential analysis	1 lt $\approx$ 0.98 kg	250 ml 40.—	
82702	puriss. p.a. B.P. 115-116° Fluka-Guarantee: Assay (GC) >99.8 % Cobalt (Co) <0.00001 % Water (H ₂ O) <0.1 % Nickel (Ni) <0.00001 % Residue on evaporation <0.005 % Copper (Cu) <0.000005 % Chloride (Cl) <0.001 % Lead (Pb) <0.000001 % Sulfate (SO ₄) <0.001 % Cadmium (Cd) <0.000001 % Ammonia (NH ₃) <0.002 % Zinc (Zn) <0.000005 % Iron (Fe) <0.00005 %	1 lt $\approx$ 0.98 kg	100 ml 7.— 500 ml 21.—	1 lt 40.—
82703	purum >99%(GC); B.P. 114-116°; d_4^{20} 0.981; n_D^{20} 1.508	1 lt $\approx$ 0.98 kg	250 ml 10.— 1 lt 35.—	2.5 lt 75.—
	Pyridine-d₅ (Pentadeuteropyridine) 3/5; 20° N:CD ₂ CD:CD ₂ CD:CD C_5D_5N M_r 84.13 [7291-22-7]			
76602	puriss. >99.95 Atom% D	1 lt $\approx$ 1.05 kg	Package of 10 $\times$ 0.5 ml 120.—	
76603	puriss. >99.95 Atom% D	1 lt $\approx$ 1.05 kg	1 ml 30.—	5 ml 125.—
76604	puriss. >99.5 Atom% D	1 lt $\approx$ 1.05 kg	1 ml 12.—	5 ml 50.—
82705	Pyridine Bases techn. B.P. 90-160°; d_4^{20} 0.95; n_D^{20} 1.502 3/5; 20° C_5H_5N M_r 79.10	1 lt $\approx$ 0.95 kg	1 lt 20.—	2.5 lt 46.—
	Pyridine-2-carboxaldehyde (Picolinaldehyde) 6.1/61; 74° N:CHCH:CHCH:ÇCHO C_6H_5NO M_r 107.11 [1121-60-4]			
82710	purum >98%(GC); B.P. 178-181°; d_4^{20} 1.121; n_D^{20} 1.535; <1% Pyridine-4-carboxaldehyde; store in refrigerator	1 lt $\approx$ 1.12 kg	50 ml 20.—	250 ml 85.—
	Pyridine-3-carboxaldehyde (Nicotinaldehyde) 6.1/61; 81° N:CHC(CHO):CHCH:CH C_6H_5NO M_r 107.11 [500-22-1]			
82720	purum >97%(GC); B.P. ₁₀ 78-81°; d_4^{20} 1.141; n_D^{20} 1.549; store in refrigerator	1 lt $\approx$ 1.14 kg	25 ml 12.—	100 ml 40.—
	Pyridine-4-carboxaldehyde (Isonicotinaldehyde) 6.1/61; 82° N:CHCH:C(CHO)CH:CH C_6H_5NO M_r 107.11 [872-85-5]			
82730	purum $\sim$ 98%(GC); B.P. ₁₀ 71-73°; d_4^{20} 1.137; n_D^{20} 1.544; <1% Pyridine-2-carboxaldehyde; store in refrigerator	1 lt $\approx$ 1.14 kg	25 ml 18.—	100 ml 65.—
82732	Pyridine-2-carboxaldehyde 2-quinolyldiazone , PAQH purum $C_{15}H_{12}N_4$ M_r 248.29 [7385-99-1]		5 g 29.—	
	Pyridine-2-carboxaldoxime N:CHCH:CHCH:ÇCH:NOH $C_6H_8N_2O$ M_r 122.13 [873-69-8]			
82760	purum >98%(UV); M.P. 111-113°; 1 g clearly soluble in 10 ml Methanol		25 g 16.—	100 g 55.—
82770	Pyridine-3-carboxaldoxime purum M.P. 149-151° ÇH:NCH:CHCH:ÇCH:NOH $C_6H_8N_2O$ M_r 122.13 [1193-92-6]		25 g 16.—	100 g 55.—
82780	Pyridine-4-carboxaldoxime purum >99%(NT); M.P. 131-133° N:CHCH:C(CH:NOH)CH:CH $C_6H_8N_2O$ M_r 122.13 [696-54-8]		25 g 18.—	100 g 75.—
	2-Pyridinealdoxime methiodide see 69050 1-Methylpyridinium-2-carboxaldoxime-iodide			
	Pyridine-2-carboxylic acid see 80290 2-Picolinic acid			
	Pyridine-3-carboxylic acid see 72310 Nicotinic acid			
	Pyridine-4-carboxylic acid see 58930 Isonicotinic acid			
	Pyridine-3-carboxylic acid amide see 72340 Nicotinamide			
	Pyridine-4-carboxylic acid amide see 58970 Isonicotinamide			
	Pyridine-2,3-dicarboxylic acid see 22690 Quinolinic acid			



		sFr.	sFr.
	Pyridine-2,6-dicarboxylic acid ("Dipicolinic acid") N:C(COOH)CH:CHCH:CCOOH C ₇ H ₅ NO ₄ M _r 167.12 [499-83-2]		
82790	purum >98%(T); M.P. ~250° dec.; Ash <0.05%	50 g 20.—	250 g 85.—
	2,6-Pyridinediol hydrochloride see 37931 2,6-Dihydroxypyridine hydrochloride		
	Pyridine hydrobromide perbromide (Pyridine perbromide hydrobromide) 8/12 C ₅ H ₅ N.HBrBr ₂ M _r 319.84		
82791	pract.; store in refrigerator	100 g 25.—	500 g 105.—
	Pyridine hydrochloride N:CHCH:CHCH:CH.HCl C ₅ H ₅ N.HCl M _r 115.56 [628-13-7]		
82800	purum >98%(Cl); M.P. 139-143°; B.P. 222-224°; hygroscopic; store in refrigerator	100 g 25.—	500 g 105.—
	Pyridine hydrofluoride see 47586 Hydrogene fluoride pyridine		
	2-, 3- and 4-Pyridinemethanol see 55770, 55780 and 55790 2-, 3- and 4-Hydroxymethylpyridine		
82811	Pyridine-N-oxide pract. >97%(N); M.P. 60-63°; store in refrigerator ON:CHCH:CHCH:CH C ₅ H ₅ NO M _r 95.10 [694-59-7]	100 g 25.—	500 g 105.—
	Pyridine perbromide hydrobromide see 82791 Pyridine hydrobromide perbromide		
82820	Pyridine-3-sulfonic acid pract. ~97%(T); M.P. >300° N:CHC(SO ₃ H):CHCH:CH C ₅ H ₅ NO ₃ S M _r 159.16 [636-73-7]	100 g 28.—	500 g 120.—
	Pyridine-3-thiocarboxylic acid amide see 88920 Thionicotinamide		
	2-Pyridinethiol see 63840 2-Mercaptopyridine		
	Pyridinium chlorochromate (PCC) C ₅ H ₅ ClCrNO ₃ M _r 215.56 [26299-14-9]		
82807	purum >98%(RT); M.P. 208-210°; Efficient oxidizing agent for alcohols: E. J. Corey, H. E. Ensley, J. W. Suggs, J. Org. Chem. 41 , 380 (1976); P. Sundararaman, W. Herz, J. Org. Chem. 43 , 5026 (1978)	100 g 22.—	500 g 90.—
	Pyridinol see Hydropyridine		
	Pyridone see Hydroxypyridine		
	Pyrido[2,3-b]pyrazine see 90610 1,4,5-Triazinaphthalene		
	Pyridoxal hydrochloride (3-Hydroxy-5-hydroxymethyl-2-methylisonicotinaldehyde hydrochloride) N:C(CH ₃)C(OH):C(CHO)C(CH ₂ OH):CH.HCl C ₈ H ₉ NO ₃ .HCl M _r 203.63 [65-22-5]		
82860	puriss. >99%(Cl); M.P. 175-180° dec.; for the labelling of amino acids and their detection in picomole range: N. Lustenberger, H.-W. Lange and K. Hempel, Angew. Chem. 84 , 255 (1972)	5 g 15.—	25 g 63.—
	Pyridoxal-5'-phosphate (Codecarboxylase) N:C(CH ₃)C(OH):C(CHO)C(CH ₂ OPO ₃ H ₂):CH.H ₂ O C ₈ H ₁₀ NO ₆ P.H ₂ O M _r 265.16 [54-47-7]		
82870	purum ~97%(NT); M.P. 150-155° dec.; Ash ~3%; store in refrigerator; for the modification of lysyl residues in proteins: G. Colombo and F. Marcus, Biochemistry 13 , 3085 (1974); and for photooxidation: L. C. Davi, L. W. Brox, R. W. Gracy, G. Ribereau-Gayon and G. L. Horrecker, Arch. Biochem. Biophys. 140 , 2150 (1970)	1 g 8.—	5 g 26.—
	Pyridoxamine dihydrochloride N:C(CH ₃)C(OH):C(CH ₂ NH ₂)C(CH ₂ OH):CH.2HCl.H ₂ O C ₈ H ₁₂ N ₂ O ₂ .2HCl.H ₂ O M _r 259.13 [524-36-7]		
82880	puriss. >99%(Cl); M.P. 229-232° dec.; 1 g clearly soluble in 10 ml water	1 g 7.—	5 g 24.—
	Pyridoxine hydrochloride see 95180 Vitamine B ₆		
82980	3-Pyridylacetic acid purum >99%(T); M.P. 145-146°; 1 g clearly soluble in 100 ml Methanol CHCH:CHN:CHCH ₂ COOH C ₇ H ₇ NO ₂ M _r 137.14 [501-81-5]	10 g 25.—	
	α-, β- and γ-Pyridylamine see 09340, 09360 and 09370 2-, 3- and 4-Aminopyridine		
	1-(2-Pyridylazo)-2-naphthol (PAN) N:CHCH:CHCH:CN:NC ₁₀ H ₆ OH C ₁₅ H ₁₁ N ₃ O M _r 249.27 [85-85-8]		
82960	puriss. p.a. ~99%(UV); M.P. 138-140°; Ash <0.3%; Indicator for the complexometric determination of Uran; Z. analyt. Chem. 164 , 398 (1958)	1 g 7.—	5 g 21.—

		sFr.	sFr.
	4-(2-Pyridylazo)resorcinol (PAR) N:CHCH:CHCH:CN:N-4-C ₆ H ₃ -1,3-(OH) ₂ C ₁₁ H ₆ N ₃ O ₂ M _r 215.21 [1141-59-9]		
82970	puriss. p.a. ~99%(N); M.P. ~195-200° dec.; for the photometric determination of Hg(II); Z. anal. Chem. 260, 289 (1972)	1 g 10.—	5 g 40.—
	2-, 3- and 4-Pyridylcarbinol see 55770, 55780 and 55790 2-, 3- and 4-Hydroxymethylpyridine		
	3-(2-Pyridyl)-5,6-diphenyl-1,2,4-triazine-4',4''-disulfonic acid Disodium salt [Ferrozine; 5,6-Diphenyl-3-(2-pyridyl)-1,2,4-triazine-4',4''-disulfonic acid Disodium salt trihydrate; PDT-disulfonate] C ₂₀ H ₁₂ N ₄ Na ₂ O ₆ S ₂ ·3H ₂ O M _r 586.50 [28048-33-1]		
82950	p.a. M.P. >300°; 1 g clearly soluble in 10 ml water; highly specific reagent for the accurate determination of submicrogram levels of serum iron: K. L. Stookey, Anal. Chem. 42, 779 (1970); D. Plant et al., Amer. J. Med. Technol. 38, 82 (1972); "water-soluble sensitive iron reagent": J. P. Persijn et al., Clin. Chem. Acta 35, 9 (1971); W. C. Butts, H. J. Mulvigill, Clin. Chem. 21, 1493 (1975)	1 g 13.—	5 g 55.—
	2-(2-Pyridyl)ethanol see 54490 2-(2-Hydroxyethyl)pyridine		
	(2-Pyridyl)hydroxymethanesulfonic acid (α-Hydroxy-2-pyridinemethanesulfonic acid) N:CHCH:CHCH:CH(OH)SO ₃ H C ₆ H ₇ NO ₄ S M _r 189.19 [3343-41-7]		
83040	purum >98%(T); M.P. ~225° dec.	50 g 26.—	250 g 110.—
	2-Pyridyl mercaptan see 63840 2-Mercaptopyridine		
	2-(3-Pyridyl)piperidine see 10230 (—)-Anabasine		
	1-(4-Pyridyl)pyridinium chloride hydrochloride CH:CHN:CHCH:CN(CI):CHCH:CHCH:CH.HCl C ₁₀ H ₉ ClN ₂ .HCl M _r 229.11 [5421-92-1]		
83071	purum ~95%(Cl); M.P. 170-175° dec.; very hygroscopic	50 g 18.—	250 g 75.—
	2-Pyrimidinamine see 09380 2-Aminopyrimidine		
83120	Pyrimidine purum >98%(GC); M.P. 19-22°; B.P. 124° (Lit.); store in refrigerator N:CHN:CHCH:CH C ₄ H ₄ N ₂ M _r 80.09 [289-95-2]	1 g 20.—	5 g 85.—
	4,6-Pyrimidinediol see 37950 4,6-Dihydroxypyrimidine		
	Pyrimidines see "Purines and Pyrimidines" green section		
	2,4,5,6(1H,3H)-Pyrimidinetetrone Tetrahydrate see 05760 Alloxan Tetrahydrate		
	2-Pyrimidinethiol see 63851 2-Mercaptopyrimidine		
	2-Pyrimidinol hydrochloride see 56430 2-Hydroxypyrimidine hydrochloride		
	Pyrocarbonic acid dimethylester see 40130 Dimethyl dicarbonate		
	Pyrocatechol ("Catechol"; 1,2-Dihydroxybenzene) 6.1/22 C ₆ H ₄ (OH) ₂ C ₆ H ₆ O ₂ M _r 110.11 [120-80-9]		
15880	puriss. cryst. >99%(NT); M.P. 104-105°; colourless crystals	100 g 13.—	500 g 55.—
15890	pract. >97%(NT); M.P. 101-104°	250 g 17.—	1 kg 60.—
	Pyrocatechol dimethyl ether see 94840 Veratrole		
	Pyrocatechol-3,5-disulfonic acid Disodium salt see 89460 Tiron		
	Pyrocatechol monoethyl ether (2-Ethoxyphenol; Guaethol) 6.1/22 C ₂ H ₅ OC ₆ H ₄ OH C ₈ H ₁₀ O ₂ M _r 138.17 [94-71-3]		
15911	purum >98%(GC); M.P. 20-25°	250 g 12.—	1 kg 40.—
	Pyrocatechol monomethylether see 50880 Guaiacol		
	Pyrocatechol Violet (Pyrocatecholsulfonphthalein; Catechol violet) C ₆ H ₄ SO ₂ OC[C ₆ H ₃ -3,4-(OH) ₂] ₂ C ₁₈ H ₁₄ O ₇ S M _r 386.38 [115-41-3]		
15920	Standard Fluka Indicator for Complexometry; Collect. 19, 258 (1954)	1 g 7.—	5 g 15.—
	Pyrocatechyl phosphorus oxychloride (o-Phenylene phosphorochloridate) 8/11a C ₆ H ₄ ClO ₃ P M _r 190.52		
15926	pract. ~95%(Cl); M.P. 51-53°; B.P. ₁₃ 124-126°; store in refrigerator; Phosphorylating agent; Review: L. A. Slotin, Synthesis 737 (1977)	5 g 26.—	
	Pyrocatechyl phosphorus trichloride (Catechylphosphotrichloride; 8/11a o-Phenylenedioxytrichlorophosphorane) C ₆ H ₄ Cl ₃ O ₂ P M _r 245.43 [2007-97-8]		
15927	purum >97%(Cl); M.P. 49-50°; B.P. ₁₁ 131-133°; store in refrigerator	10 g 12.—	

			sFr.	sFr.
	Pyrogallol (1,2,3-Trihydroxybenzene)			
6.1/22	$C_6H_3(OH)_3$ $C_6H_6O_3$ M_r 126.11 [87-66-1]			
83130	purum Ph. Helv.; >98%(NT); M.P. 132-134°; Ash <0.05%		100 g 20. —	500 g 85. —
	Pyrogallol-4-carboxylic acid see 91940 2,3,4-Trihydroxybenzoic acid			
	Pyrogallol 1-methyl ether (1,2-Dihydroxy-3-methoxybenzene; Methoxycatechol; 3-Methoxypyrocatechol)			
	$CH_3OC_6H_3(OH)_2$ $C_7H_8O_3$ M_r 140.14 [934-00-9]			
83140	pract. ~95%(NT); M.P. 40-42°		10 g 13. —	50 g 55. —
	Pyrogalloquinone see 82600 Purpurogallin			
	Pyrogallol Red (Pyrogallolsulfonphthalein)			
	$2-HO_3SC_6H_4C[C_6H_2-2,3,4-(OH)_3]:C_6H_2-4-O-2,3-(OH)_2$ $C_{19}H_{14}O_9S$ M_r 418.38 [32638-88-3]			
83150	Standard Fluka; M.P. >300°; Indicator for complexometry; Collect. 21, 418, 1599 (1956)		1 g 8. —	5 g 29. —
	Pyrogallolsulfonphthalein see 83150 Pyrogallol Red			
	Pyrogallol trimethyl ether see 92159 1,2,3-Trimethoxybenzene			
	L-Pyroglutamic acid (2-Pyrrolidone-5-carboxylic acid)			
	$HNCOCH_2CH_2CHCOOH$ $C_5H_7NO_3$ M_r 129.12 [98-79-3]			
83160	puriss. >99%(T); M.P. 155-158°; $[\alpha]_{546}^{20} - 10 \pm 1^\circ$; $[\alpha]_D^{20} - 10 \pm 1^\circ$ (c = 10 in water); Ash <0.05%		25 g 13. —	100 g 45. —
83170	DL-Pyroglutamic acid puriss. >99%(T); M.P. ~183-184°		25 g 12. —	100 g 40. —
	$HNCOCH_2CH_2CHCOOH$ $C_5H_7NO_3$ M_r 129.12 [149-87-1]			
83180	Pyromellitic acid purum >98%(T); M.P. 265-268° (Benzene-1,2,4,5-tetracarboxylic acid)		100 g 16. —	500 g 67. —
	$C_6H_2(COOH)_4$ $C_{10}H_6O_8$ M_r 254.16 [89-05-4]			
83190	Pyromellitic dianhydride purum ~97%(T); M.P. 284-286°; <3% Pyromellitic acid		100 g 10. —	500 g 37. —
	$C_{10}H_2O_6$ M_r 218.13 [89-32-7]			
	α-Pyrone (2H-Pyran-2-one)			
	$QCH:CHCH:CHCO$ $C_5H_4O_2$ M_r 96.09 [504-31-4]			
83193	purum >97%(GC); B.P. $_{30}$ 104°; d_4^{20} 1.197; n_D^{20} 1.525; Diene; M. Nakagawa, M. Tonozuka, M. Obi, M. Kiuchi, T. Hino, Synthesis 510 (1974)	1 lt $\approx$ 1.20 kg	1 ml 65. —	5 ml 275. —
83195	γ-Pyrone purum >98%(GC); M.P. 32-34° (4H-Pyran-4-one)		1 g 80. —	5 g 335. —
	$QCH:CHCOCH:CH$ $C_5H_4O_2$ M_r 96.09 [108-97-4]			
	2-Pyrone-5-carboxylic acid see 28130 Coumalic acid			
	Pyronine Y(G) [C.I. Nr. 45005; Sch. Nr. 853]			
	$3-(CH_3)_2NC_6H_3OC_6H_3-6-N(Cl)(CH_3)_2:CH$ $C_{17}H_{19}ClN_2O$ M_r 302.81 [92-32-0]			
83200	Standard Fluka for Microscopy (Bot., Fl., Hist.)		10 g 10. —	50 g 37. —
83210	Pyrophosphoric acid pract. cryst. M.P. 58-61°; store in refrigerator		100 g 13. —	500 g 42. —
8/21	$H_4P_2O_7$ $H_4O_7P_2$ M_r 177.98 [2466-09-3]			
	Pyrrole			
	3/3; 36° $HNCH:CHCH:CH$ C_4H_5N M_r 67.09 [109-97-7]			
83220	purum ~96%(GC); B.P. 129-131°; d_4^{20} 0.966; n_D^{20} 1.508; appearance: yellow-brown; store in refrigerator	1 lt $\approx$ 0.97 kg	25 ml 12. —	100 ml 40. —
	Pyrrole-2-carboxaldehyde (2-Formylpyrrole)			
	$NHCH:CHCH:CHO$ C_5H_5NO M_r 95.10 [1003-29-8]			
83230	purum >97%(T); M.P. 45-47°; store in refrigerator		5 g 16. —	25 g 67. —
83237	Pyrrole-2-carboxylic acid pract. >98%(T); M.P. 209-211° dec.; Ash <0.5%		5 g 32. —	25 g 135. —
	$NHCH:CHCH:COOH$ $C_5H_5NO_2$ M_r 111.10 [634-97-9]			
	Pyrrolidine (Tetrahydropyrrole; Tetramethylenimine)			
	3/5; 3° $HN(CH_2)_3CH_2$ C_4H_9N M_r 71.12 [123-75-1]			
83240	puriss. p.a. B.P. 86-88°; d_4^{20} 0.860; n_D^{20} 1.443	1 lt $\approx$ 0.86 kg	100 ml 18. —	500 ml 75. —
	Fluka-Guarantee:			
	Assay (GC) >99.0 %	Cadmium (Cd) <0.00001%		
	Iron (Fe) <0.00005%	Zinc (Zn) <0.00001%		
	Copper (Cu) <0.00001%			
83242	purum >98%(GC); B.P. 85-88°; d_4^{20} 0.860; n_D^{20} 1.444; water <1%	1 lt $\approx$ 0.86 kg	250 ml 23. —	1 lt 85. —



			sFr.	sFr.
09935	1-Pyrrolidinecarbodithioic acid Ammonium salt (Ammonium pyrrolidinedithiocarbamate)			
	6.1/81d	$\text{CH}_2\text{CH}_2\text{CH}_2\text{CH}_2\text{NSCS.NH}_4$ $\text{C}_5\text{H}_8\text{NS}_2\text{.NH}_4$ M_r 164.29 [5108-96-3] p.a. ~95%(NT); H_2O ~5%; Use in Atomic Absorption: Formes complexes with metals; these may be extracted from aqueous solutions with adequate solvents; the concentrate may be injected directly into the flame. Lit.: Ramirez-Munoz, Atomic Absorption Spectroscopy, Elsev. Amsterdam, 298 (1978)	25 g 14. —	100 g 50. — 1 kg 320. —
	1-Pyrrolidinecarboxaldehyde see 47728 1-Formylpyrrolidine			
	Pyrrolidine-2-carboxylic acid see 81710, 81705 and 81720 L-, D-, and DL-Proline			
	2-Pyrrolidinoethyl chloride hydrochloride see 23065 1-(2-Chloroethyl)pyrrolidine hydrochloride			
	2-Pyrrolidinoethanol see 54505 1-(2-Hydroxyethyl)pyrrolidine			
	2-Pyrrolidinoethylamine see 06710 1-(2-Aminoethyl)pyrrolidine			
83300	2-Pyrrolidinone (Butyrolactam; 2-Pyrrolidone)			
		$\text{HN(CH}_2)_3\text{CO}$ $\text{C}_4\text{H}_7\text{NO}$ M_r 85.11 [616-45-5] purum >99%(GC); M.P. 23-25°; B.P. ₁₀ 127-130°; d_4^{20} 1.111; n_D^{20} 1.488	1 lt ≈ 1.11 kg	250 ml 10. — 1 lt 32. —
83275	4-Pyrrolidinopyridine			
	6.1/21	$\text{CH}_2(\text{CH}_2)_3\text{N} \text{---} \text{CHCH:NCH:CH}$ $\text{C}_9\text{H}_{12}\text{N}_2$ M_r 148.21 [2456-81-7] purum >98%(NT); M.P. 55-57°; 1 g clearly soluble in 10 ml Methanol; Hypernucleophilic acylation catalyst; Review: G. Höfle, W. Steglich, H. Vorbrüggen, Angew. Chem. 90, 602 (1978)	5 g 15. —	25 g 63. — 100 g 225. —
	1-(4-[1-Pyrrolidinyl]-2-butynyl)-2-pyrrolidinone see 75949 Oxotremorine			
	3-(2-Pyrrolidinyl)pyridine dipicrate see 74630 (—)-Nornicotine dipicrate			
	2-Pyrrolidone see 83300 2-Pyrrolidinone			
	2-Pyrrolidone-5-carboxylic acid see 83160 L-Pyroglutamic acid			
	Pyrvaldehyde see 67030 Methylglyoxal			
	Pyrvaldehyde-1-dimethyl acetal see 67035 Methylglyoxal dimethyl acetal			
83330	Pyruvate-Kinase ex Rabbit muscle (EC 2.7.1.40) [9001-59-6]			
		p.a. crystal suspension in 3.2 m Ammoniumsulfate solution; pH ~6; ~150U/mg (25°C; PEP as Substrate)		10 mg (1 ml) 40. —
15940	Pyruvic acid (2-Oxopropionic acid)			
	8/21d	$\text{CH}_3\text{COCO}_2\text{H}$ $\text{C}_3\text{H}_4\text{O}_3$ M_r 88.06 [127-17-3] purum >98%(T); d_4^{20} 1.265; n_D^{20} 1.428; store in refrigerator	1 lt ≈ 1.26 kg	100 ml 22. — 500 ml 90. —
15990	Pyruvic acid Sodium salt puriss. >99%(NT) (Sodium pyruvate) $\text{CH}_3\text{COCOONa}$ $\text{C}_3\text{H}_3\text{NaO}_3$ M_r 110.04 [113-24-6]			
			25 g 10. —	100 g 35. — 500 g 145. —
16000	Pyruvonitrile (Acetyl cyanide)			
	6.1/28	CH_3COCN $\text{C}_3\text{H}_3\text{NO}$ M_r 69.06 [631-57-2] pract. >97%(GC); B.P. 93-94°; d_4^{20} 0.971; n_D^{20} 1.378	1 lt ≈ 0.96 kg	10 ml 25. — 50 ml 105. —
	Py-Tetrahydroserpentine see 05080 Ajmalicine			
	Quadrol see 87640 N,N,N',N'-Tetrakis(2-hydroxypropyl)ethylenediamine			
83335	Quadrol-trifluoroacetic acid			
		(0.25 M) in Propanol/water (3:4; v/v); pH 9 for Sequential analysis; contains a solid stabilizer	1 lt ≈ 0.95 kg	100 ml 45. —
83340	Quartz			
		purum p.a. powder (Silicon dioxide) SiO_2 O_2Si M_r 60.08 [14808-60-7] Fluka-Guarantee: Residue on ignition <0.5 % Iron (Fe) <0.03 % Chloride (Cl) <0.01 % Zinc (Zn) <0.005 % Copper (Cu) <0.01 % Calcium (Ca) <0.02 % Lead (Pb) <0.005 %		1 kg 12. — 5 kg 50. —
83350	p-Quaterphenyl puriss. >99%(HPLC); M.P. 312-314° for Scintillation $\text{C}_6\text{H}_5(\text{C}_6\text{H}_4)_2\text{C}_6\text{H}_5$ $\text{C}_{24}\text{H}_{18}$ M_r 306.41 [135-70-6]			
			1 g 22. —	5 g 90. —



			sFr.	sFr.
	Quercetin Dihydrate [C.I. Nr. 75670; Sch. Nr. 1367] (3,3',4',5,7-Pentahydroxyflavone) $5,7-(\text{HO})_2\text{C}_6\text{H}_2\text{OC}[\text{C}_6\text{H}_3-3,4-(\text{OH})_2]:\text{C}(\text{OH})\text{CO}\cdot 2\text{H}_2\text{O}$ $\text{C}_{15}\text{H}_{10}\text{O}_7\cdot 2\text{H}_2\text{O}$ M_r 338.27 [6151-25-3]			
83370	puriss. >99%(NT); M.P. $\sim 315^\circ$ dec.; Ash <0.1%		25 g 17. —	100 g 60. —
	Quercetin-3-rutinoside see 84082 Rutin			
	QUIBEC see 13265 N-Benzylquininium chloride			
	Quinacetophenone see 37460 2,5-Dihydroxyacetophenone			
22535	Quinacrine Mustard dihydrochloride $\text{C}_{23}\text{H}_{28}\text{Cl}_3\text{N}_3\text{O}\cdot 2\text{HCl}$ M_r 541.78 [4213-45-0]		100 mg 145. —	
	Quinaldic acid (Quinoline-2-carboxylic acid) $\text{C}_8\text{H}_4\text{N}:\text{C}(\text{COOH})\text{CH}:\text{CH}$ $\text{C}_{10}\text{H}_7\text{NO}_2$ M_r 173.17 [93-10-7]			
22560	puriss. p.a. >99%(T); M.P. 156-158°; Ash <0.1%; determination: Cd, Cu, Fe(II) (colorimetr.), U, Zn		5 g 15. —	
	Quinaldine (2-Methylquinoline) 6.1/21 $\text{C}_8\text{H}_4\text{N}:\text{C}(\text{CH}_3)\text{CH}:\text{CH}$ $\text{C}_{10}\text{H}_9\text{N}$ M_r 143.19 [91-63-4]			
22540	purum >99%(GC); M.P. -9--3°; B.P. ₁₀ 105-107°; d_4^{20} 1.057; n_D^{20} 1.611; S <0.5%	1 lt $\approx$ 1.06 kg	25 ml 8. —	100 ml 25. —
22550	pract. >90%(GC); d_4^{20} 1.06; n_D^{20} 1.612; S <0.8%	1 lt $\approx$ 1.06 kg	250 ml 20. —	1 lt 70. —
	Quinaldine Blue see 80560 Pinacyanol iodide			
22555	Quinaldine Red Standard Fluka Indicator pH 1.4-3.2 $\text{C}_{21}\text{H}_{23}\text{IN}_2$ M_r 430.33 [117-92-0]		10 g 14. —	50 g 60. —
	Quinalizarin [C.I. Nr. 58500; Sch. Nr. 1168] (1,2,5,8-Tetrahydroxyanthraquinone) $1,2-(\text{HO})_2\text{C}_6\text{H}_2\text{COC}_6\text{H}_2-5,8-(\text{OH})_2\text{CO}$ $\text{C}_{14}\text{H}_8\text{O}_6$ M_r 272.22 [81-61-8]			
22570	puriss. p.a. $\sim 98\%$ (UV); M.P. >300°; determination: F'; colorimetr.: Al, B, Be, Ga, In, Mg; detection: rare earths		10 g 8. —	50 g 29. —
22581	Quinazoline purum >99%(NT); M.P. 46-48° (1,3-Benzodiazine) $\text{C}_8\text{H}_4\text{CH}:\text{NCH}:\text{N}$ $\text{C}_8\text{H}_6\text{N}_2$ M_r 130.15 [253-82-7]		1 g 22. —	5 g 90. —
22590	Quinhydrone purum M.P. 165-168° $\text{C}_6\text{H}_4(\text{OH})_2\cdot \text{C}_6\text{H}_4\text{O}_2$ $\text{C}_6\text{H}_6\text{O}_2\cdot \text{C}_6\text{H}_4\text{O}_2$ M_r 218.21 [106-34-3]		50 g 12. —	250 g 50. —
	D(—)-Quinic acid [D(—)-1,3,4,5-Tetrahydroxy-cyclohexane-1-carboxylic acid] $\text{CH}_2(\text{CHOH})_3\text{CH}_2\text{C}(\text{OH})\text{COOH}$ $\text{C}_7\text{H}_{12}\text{O}_6$ M_r 192.17 [77-95-2]			
22580	purum >98%(T); M.P. 168-170° dec.; $[\alpha]_{546}^{20} - 52 \pm 1^\circ$; $[\alpha]_D^{20} - 44 \pm 1^\circ$ (c = 20 in water); Ash <0.1%		50 g 34. —	250 g 145. —
	Quinidine 6.1/81g $\text{C}_{20}\text{H}_{24}\text{N}_2\text{O}_2$ M_r 324.43 [56-54-2]			
22600	purum cryst. M.P. 169-172°; $[\alpha]_{546}^{20} + 286 \pm 2^\circ$; $[\alpha]_D^{20} + 245 \pm 5^\circ$ (c = 0.8 in Ethanol); H ₂ O 4-6%		10 g 20. —	50 g 85. —
	Quinine anhydrous 6.1/81g $\text{C}_{20}\text{H}_{24}\text{N}_2\text{O}_2$ M_r 324.43 [130-95-0]			
22620	puriss. M.P. 175° dec.; $[\alpha]_{546}^{20} - 154 \pm 2^\circ$ (c = 1.5 in Chlf.)	5 g 12. —	25 g 50. —	100 g 175. —
22630	Quinine hydrochloride purum Ph. Helv.; >99%(Cl) 6.1/81g $\text{C}_{20}\text{H}_{24}\text{N}_2\text{O}_2\cdot \text{HCl}\cdot 2\text{H}_2\text{O}$ M_r 396.92 [6119-47-7]		10 g 16. —	50 g 67. —
	Quinine sulfate 6.1/81g $(\text{C}_{20}\text{H}_{24}\text{N}_2\text{O}_2)_2\cdot \text{H}_2\text{SO}_4\cdot 2\text{H}_2\text{O}$ M_r 782.96 [804-63-7]			
22640	purum Ph. Helv.; Fluorescence-Indicator; >99%(T); $[\alpha]_{546}^{20} - 290 \pm 5^\circ$; $[\alpha]_D^{20} - 230 \pm 5^\circ$ (c = 2 in 0.1m HCl)		25 g 35. —	100 g 130. —
	Quinizarin see 37480 1,4-Dihydroxyanthraquinone			
	Quinoline 6.1/21; 92° $\text{C}_8\text{H}_4\text{CH}:\text{CHCH}:\text{N}$ $\text{C}_8\text{H}_7\text{N}$ M_r 129.16 [91-22-5]			
22650	purum $\sim 99\%$ (GC); M.P. -17--13°; B.P. ₁₁ 108-110°; d_4^{20} 1.094; n_D^{20} 1.625	1 lt $\approx$ 1.09 kg	100 ml 7. —	500 ml 20. —
22660	pract. $\sim 97\%$ (GC); B.P. ₁₁ 108-110°; d_4^{20} 1.09; n_D^{20} 1.625	1 lt $\approx$ 1.09 kg	250 ml 9. —	1 lt 30. —
22665	Quinoline-4-carboxaldehyde purum >98%(NT); M.P. 47-49°; store in refrigerator 6.1/81g $\text{C}_{10}\text{H}_7\text{NO}$ M_r 157.17 [4363-93-3]		1 g 10. —	5 g 37. —
	Quinoline-2-carboxylic acid see 22560 Quinaldic acid			

			sFr.	sFr.
	Quinoline-4-carboxylic acid			
22668	6.1/81g	$C_8H_4N:CHCH:COOH$ $C_{10}H_7NO_2$ M_r 173.17 [486-74-8] purum ~97%(T); M.P. 253-255° dec.; loss on drying ~3%	1 g 10. —	5 g 40. —
	8-Quinolinethiol hydrochloride see 88960 Thioxine hydrochloride			
22680		Quinoline Yellow [C.I. Nr. 47005; Sch. Nr. 918] Standard Fluka for Microscopy (Hist.) $C_{19}H_9NNa_2O_8S_2$ M_r 489.39 [8004-92-0]	100 g 20. —	
	Quinolinic acid (Pyridine-2,3-dicarboxylic acid)			
22690	6.1/81g	$N:C(COOH)C(COOH):CHCH:CH$ $C_7H_5NO_4$ M_r 167.12 [89-00-9] puriss. ~99%(T); M.P. ~185° dec.; Ash <0.05%	25 g 10. —	100 g 32. — 500 g 135. —
55050		2-Quinolinol purum >99%(NT); M.P. 196-198° (Carbostyryl; 2-Hydroxyquinoline) $C_8H_4N:C(OH)CH:CH$ C_9H_7NO M_r 145.16 [1321-40-0]	5 g 40. —	25 g 165. —
55060		4-Quinolinol purum >97%(NT); M.P. 200-204° (4-Hydroxyquinoline) $C_8H_4N:CHCH:COH$ C_9H_7NO M_r 145.16 [611-36-9]	1 g 13. —	5 g 55. —
	8-Quinolinol (8-Hydroxyquinoline; Oxine)			
55070		$HO C_8H_3N:CHCH:CH$ C_9H_7NO M_r 145.16 [148-24-3] puriss. p.a. cryst. powder ~99%(NT); M.P. 73-75°; determination and detection: Al, Mg	25 g 7. —	100 g 18. — 500 g 75. —
55080		purum ~97%(NT); M.P. 70-73°	250 g 22. —	1 kg 80. —
	8-Quinolinol sulfate (8-Hydroxyquinoline sulfate)			
55100		$(HO C_8H_3N:CHCH:CH)_2 \cdot H_2SO_4$ $(C_9H_7NO)_2 \cdot H_2SO_4$ M_r 388.40 [134-31-6] purum ~96%(T)	100 g 18. —	
	Quinone see 12309 1,4-Benzoquinone			
22710		Quinoxaline purum M.P. 28-31° (1,4-Benzodiazine; Benzopyrazine) $C_8H_4N:CHCH:N$ $C_8H_6N_2$ M_r 130.15 [91-19-0]	100 g 22. —	500 g 90. —
	Quinuclidine hydrochloride (1-Azabicyclo[2.2.2]octane-hydrochloride)			
22712		$C_7H_{13}N \cdot HCl$ M_r 147.65 [39896-06-5] purum >98%(Cl); M.P. >300°; 1 g clearly soluble in 10 ml H_2O	5 g 32. —	25 g 135. —
55121		3-Quinuclidinol purum >97%(NT); M.P. 222-224° (3-Hydroxyquinuclidine) $C_7H_{13}NO$ M_r 127.19 [1619-34-7]	10 g 25. —	50 g 105. —
	3-Quinuclidone hydrochloride (1-Azabicyclo[2.2.2]octan-3-one hydrochloride)			
22711		$C_7H_{11}NO \cdot HCl$ M_r 161.63 [1193-65-3] purum >98%(Cl); M.P. >300°	10 g 18. —	50 g 75. —
	R-Acid Sodium salt see 70530 2-Naphthol-3,6-disulfonic acid Disodium salt			
	D(+) -Raffinose Pentahydrate (6-O- α -D-Galactopyranosyl-D-glucopyranosyl- β -D-fructofuranoside; Melitose; Melitriose)			
83400		$C_{18}H_{32}O_{16} \cdot 5H_2O$ M_r 594.53 [17629-30-0] + [512-69-6] puriss. p.a. for Bacteriology; M.P. 78-80°; $[\alpha]_{546}^{20} + 124 \pm 2^\circ$; $[\alpha]_D^{20} + 105 \pm 2^\circ$ (c = 10 in water); Ash <0.05%; 1 g clearly and colourless soluble in 10 ml water Fluka-Guarantee: Residue on ignition (as SO_4) <0.1 % Chloride (Cl) <0.005 % Sulfate (SO_4) <0.005 % Copper (Cu) <0.0001 % Lead (Pb) <0.0001 % Cadmium (Cd) <0.0001 % Zinc (Zn) <0.0001 % Iron (Fe) <0.0005 % Cobalt (Co) <0.0001 % Nickel (Ni) <0.0001 % Arsenic (As) <0.00001 %	25 g 23. —	100 g 85. —
	Raney-Copper ready for use , in water suspension (see also Copper-Aluminum alloy)			
83430	4.2/6d	puriss.; store in refrigerator	100 g 60. —	
	Raney-Iron see 44940 Iron-Aluminum alloy			
	Raney-Nickel ready for use , in water suspension (see also Nickel-Aluminum alloy)			
83440	4.2/6d	puriss.; store in refrigerator	100 g 25. —	
72240		Raney Nickel purum 50% Ni + 50% Al (Nickel-Aluminum alloy) 4.2/6d	100 g 9. —	500 g 32. —
	Raubasine see 05080 Ajmalicine			
	Rauwolfine ethanol adduct see 05090 Ajmaline ethanol adduct			



			sFr.	sFr.
RBS 25 concentrate				
83460	Special detergent for glass and instruments of the chemical, bacteriological and radiotechnical laboratory	1 lt ≈ 1.09 kg	1 lt 20. —	5 lt 85. — 10 lt 160. — 25 lt 350. —
RBS 35 concentrate				
83461	suitable as detergent for hard water	1 lt ≈ 1.10 kg	1 lt 20. —	5 lt 85. — 10 lt 160. — 25 lt 350. —
RBS 50 concentrate				
83462	suitable for washing machines for laboratory glassware	1 lt ≈ 1.20 kg	1 lt 22. —	5 lt 90. — 10 lt 175. —
RBS solid				
83463	suitable for washing machines for laboratory glassware			1 kg 18. — 5 kg 75. —
RBS[®] pF				
83464	Special detergent for glass and instruments; phosphate free	1 lt ≈ 1.10 kg	1 lt 22. —	5 lt 90. — 10 lt 175. —
Reagent Papers Fluka				
	(See also pH-Indicator papers Fluka)			
	Tight-closing transparent plastic boxes with 5 m band			1 piece 4. —
	Refill packages with 3 rolls of 5 meters; each roll sealed in a plastic bag			1 piece 7. —
Congo Paper Fluka				
83490	Box with 1 roll			1 piece 4. —
83495	Refill package			1 piece 7. —
Lead Acetate Paper Fluka				
83470	Box with 1 roll			1 piece 4. —
83475	Refill package			1 piece 7. —
Litmus Paper, Red Fluka				
83500	Box with 1 roll			1 piece 4. —
83505	Refill package			1 piece 7. —
Litmus Paper, Blue Fluka				
83510	Box with 1 roll			1 piece 4. —
83515	Refill package			1 piece 7. —
Litmus Paper, Neutral Fluka				
83520	Box with 1 roll			1 piece 4. —
83525	Refill package			1 piece 7. —
Methyl Orange Paper Fluka				
83535	Refill package			1 piece 7. —
Phenolphthalein Paper Fluka				
83540	Box with 1 roll			1 piece 4. —
83545	Refill package			1 piece 7. —
Potassium Iodide Starch Paper Fluka				
83480	Box with 1 roll			1 piece 4. —
83485	Refill package			1 piece 7. —
				1 piece 50. —
83547	Regulation valve, for gas pressure tins			
"Reichstein Q" see 30990 11-Deoxycorticosterone				
"Reichstein S" see 31100 11-Deoxy-17α-hydroxycorticosterone				
83550	Reinecke salt purum p.a. ~97%(T) [Ammonium tetrarhodanatediamminechromate(III)] $\text{NH}_4[\text{Cr}(\text{NH}_3)_2(\text{SCN})_4]$ $\text{C}_4\text{H}_{10}\text{CrN}_7\text{S}_4$ M_r 336.43 [13573-16-5]		25 g 10. —	100 g 32. —
Resacetophenone see 37450 2,4-Dihydroxyacetophenone				
Resacetophenone-dimethylether see 38522 2,4-Dimethoxyacetophenone				
Resazurine (7-Hydroxy-3H-phenoxazin-3-one 10-oxide) $\text{C}_{12}\text{H}_7\text{NO}_4$ M_r 229.20 [550-82-3]				
83560	Standard Fluka Indikator pH 3.8-6.5		5 g 21. —	25 g 90. —
83570	Rescinnamine purum NF >98%(NT); M.P. 232-235°; $[\alpha]_{\text{D}}^{20} - 112 \pm 5^\circ$ (c = 1 in Chlf.) $\text{C}_{25}\text{H}_{42}\text{N}_2\text{O}_9$ M_r 634.74 [24815-24-5]		1 g 25. —	5 g 105. —
Reserpine 6.1/81e $\text{C}_{23}\text{H}_{40}\text{N}_2\text{O}_9$ M_r 608.70 [50-55-5] purum cryst. USP; >99%(NT); M.P. ~265° dec.; $[\alpha]_{\text{D}}^{20} - 148 \pm 2^\circ$; $[\alpha]_{\text{D}}^{20} - 122 \pm 2^\circ$ (c = 1 in Chlf.)				
83580			1 g 10. —	5 g 40. —

				sFr.	sFr.
	Resorcinol (1,3-Dihydroxybenzene)				
	6.1/22	$C_6H_4(OH)_2$	$C_6H_6O_2$	M_r 110.11	[108-46-3]
83600		puriss. p.a. Ph. Helv.; >99%(NT); M.P. 109-111°;			
		1 g clearly and colourless soluble in 10 ml Methanol			
83602		purum >98%(NT); M.P. 107-110°			
				100 g 10. —	500 g 37. —
				250 g 12. —	1 kg 40. —
	Resorcinol dimethyl ether see 83610 1,3-Dimethoxybenzene				
	Resorcinol monomethyl ether see 83630 3-Methoxyphenol				
	Resorcinol Yellow see 93520 Tropaeolin O				
	α-, β- and γ-Resorcylic acid see 37590, 37530 and 37560 3,5-, 2,4- and 2,6-Dihydroxybenzoic acid				
	Retardion® 11 A 8				
83640		50-100 mesh; for the separation of electrolytes from water solutions as well as the separation of Cations and Anions			
		® Registered trade-mark of The Dow Chemical Co., USA			
				100 g 25. —	500 g 105. —
	Retinal see 95142 Vitamin-A-aldehyde				
	Retinoic acid see 95152 Vitamin-A-acid				
	all-trans-Retinol see 95144 Vitamin-A-alcohol				
	Retinyl acetate see 95140 Vitamin-A-acetate				
	Retinyl palmitate see 95150 Vitamin-A-palmitate				
	L(+) -Rhamnose Monohydrate (6-Deoxy-L-mannose; Isodulcit)				
		$CH_3CH(CHOH)_4O \cdot H_2O$	$C_6H_{12}O_5 \cdot H_2O$	M_r 182.18	[10030-85-0] + [3615-41-6]
83650		puriss. p.a. for Bacteriology; M.P. 90-92°; $[\alpha]_{D}^{20} + 9.0 \pm 0.5^\circ$;			
		$[\alpha]_{D}^{20} + 8.0 \pm 0.5^\circ$ (c = 5 in water); 1 g clearly and colourless soluble in 10 ml water			
		Fluka-Guarantee:			
		Residue on ignition	Cadmium (Cd)	<0.0001 %	
		(as SO_4)	Zinc (Zn)	<0.0001 %	
		Chloride (Cl)	Iron (Fe)	<0.0005 %	
		Sulfate (SO_4)	Cobalt (Co)	<0.0001 %	
		Copper (Cu)	Nickel (Ni)	<0.0001 %	
		Lead (Pb)	Arsenic (As)	<0.00001 %	
83670	Rhenium	puriss. powder 99.9%		1 g 30. —	
		Re	A_r 186.20	[7440-15-5]	
83671	di-Rhenium decacarbonyl	purum		250 mg 17. —	1 g 60. —
		$Re_2(CO)_{10}$	$C_{10}O_{10}Re_2$	M_r 652.51	[14285-68-8]
83680	Rhenium(VII)oxide	puriss. 76.9% Re (Rhenium heptoxide)		1 g 50. —	5 g 210. —
		Re_2O_7	O_7Re_2	M_r 484.40	[1314-68-7]
83684	Rhenium pentacarbonyl bromide	pract.		1 g 105. —	
		$Re(CO)_5Br$	C_5BrO_5Re	M_r 406.14	[14220-21-4]
83686	Rhenium pentacarbonyl chloride	pract.		1 g 105. —	
		$Re(CO)_5Cl$	C_5ClO_5Re	M_r 361.69	[14099-01-5]
	Rhodamine B [C.I. Nr. 45170; Sch. Nr. 864] (Tetraethylrhodamine)				
		3-(C_2H_5) ₂ N $C_6H_4OC_6H_4$ -6-:N(Cl)(C_2H_5) ₂ : C_6H_4 -2-COOH			$C_{28}H_{31}ClN_2O_3$
		M_r 479.02			[81-88-9]
83690		purum Adsorption Indicator for Microscopy (Bact., Bot., Fl., Hist., Vit.); for the colorimetric determination of Cd; Z. analyt. Chem.			
		176, 285 (1960)			
				25 g 7. —	100 g 13. —
					500 g 55. —
83700	Rhodanine	puriss. p.a. M.P. 164-166°; for the determination of Ag (2-Thioxo-4-thiazolidinone)		25 g 21. —	100 g 75. —
		$\zeta CSNHCOCH_2$	$C_3H_3NOS_2$	M_r 133.19	[141-84-4]
	Rhodoose see 47880 D(+) -Fucose				
83710	Rhodium	puriss. powder >99.9%		250 mg 40. —	1 g 145. —
		Rh	A_r 102.90	[7740-16-6]	
83712	Rhodium	(Coating quality BALZERS) 99.8%; Mesh size 0.7-1.5 mm		1 g 160. —	
83711	Rhodium	5% on activated Charcoal puriss.		1 g 14. —	5 g 60. —
		4.2/6d			
83720	Rhodium	on activated Alumina puriss. 5% Rh		1 g 13. —	5 g 55. —



8725	Rhodium(II)acetate purum $\text{Rh}(\text{CH}_3\text{COO})_2 \cdot \text{C}_4\text{H}_6\text{O}_4\text{Rh}$ M_r 221.00 [5503-41-3]	1 g 75. —	
	Rhodium(III)ammonium chloride see 09790 Ammonium hexachlororhodate(III)		
	Rhodium bis(triphenylphosphine)carbonyl chloride see 15246 Bis(triphenylphosphine)rhodium carbonyl chloride		
8730	Rhodium(III) chloride puriss. 49.2% Rh $\text{RhCl}_3 \cdot \text{Cl}_2\text{Rh}$ M_r 209.26 [10049-07-7]	1 g 90. —	
8740	Rhodium(III) chloride Hydrate puriss. ~40% Rh; Water 11-12% $\text{RhCl}_3 \cdot \text{aq} \cdot \text{Cl}_2\text{Rh} \cdot \text{aq}$ M_r 209.26 + aq [20765-98-4]	1 g 55. —	
	Rhodium(I) dicarbonyl acetyl acetonate see 35015 Dicarboxylacetylacetonato-rhodium(I)		
8744	tetra-Rhodium dodecacarbonyl pract. $\text{Rh}_4(\text{CO})_{12} \cdot \text{C}_{12}\text{O}_{12}\text{Rh}_4$ M_r 747.74 [12242-10-3]	100 mg 105. —	
8747	hexa-Rhodium hexadecacarbonyl purum $\text{Rh}_6(\text{CO})_{18} \cdot \text{C}_{16}\text{O}_{18}\text{Rh}_6$ M_r 617.43 [28407-51-4]	100 mg 55. —	
8750	Rhodium(III) nitrate puriss. 36.8% Rh $\text{Rh}(\text{NO}_3)_3 \cdot 2\text{H}_2\text{O} \cdot \text{N}_2\text{O}_5\text{Rh} \cdot 2\text{H}_2\text{O}$ M_r 324.95 [10139-58-9]	1 g 105. —	
8770	Rhodium(III) oxide Monohydrate puriss. 81% Rh $\text{Rh}_2\text{O}_3 \cdot \text{H}_2\text{O} \cdot \text{O}_3\text{Rh}_2 \cdot \text{H}_2\text{O}$ M_r 271.83 [12036-35-0]	1 g 105. —	
	Rhodium tris(triphenylphosphine) chloride see 93403 Tris(triphenylphosphine)rhodium(I) chloride and 93407 ... Polymer supported		
8780	Rhodizonic acid Dihydrate p.a. Titration-Indicator for Ba, SO_4^{2-} $\text{COCOC}(\text{OH})_2\text{C}(\text{OH})_2\text{COCO} \cdot 2\text{H}_2\text{O} \cdot \text{C}_6\text{H}_2\text{O}_6 \cdot 2\text{H}_2\text{O}$ M_r 206.11 [118-76-3]	1 g 10. —	5 g 37. —
	Rhodizonic acid Potassium salt see 60530 Potassium rhodizonate		
	Rhodizonic acid Sodium salt (Sodium rhodizonate) $\text{OC}(\text{CO})_2\text{C}(\text{ONa})_2\text{CONa} \cdot \text{C}_6\text{Na}_2\text{O}_6$ M_r 214.04 [523-21-7]		
71940	puriss. p.a. Titration-Indicator for Ba, SO_4^{2-} ; Analysis: Ba, Pb, Sn, SO_4^{2-} , Sr	5 g 20. —	25 g 85. —
	Ribitol see 02240 Adonitol		
83800	6-(D-Ribitylamino)-3,4-dimethylaniline monohydrochloride purum M.P. 168-170° $\text{C}_{12}\text{H}_{22}\text{N}_2\text{O}_4 \cdot \text{HCl}$ M_r 306.79 [64598-64-7]	10 g 12. —	50 g 50. —
	Riboflavin see 95170 Vitamine B ₂		
	Riboflavin-5'-adenosine-diphosphate Disodium salt see 46360 Flavine adenine dinucleotide Disodium salt		
	Riboflavin-5'-monophosphate Sodium salt , FMN-Na (Flavine-mononucleotide) $\text{C}_{17}\text{H}_{22}\text{N}_4\text{NaO}_9\text{P} \cdot 2\text{H}_2\text{O}$ M_r 514.36 [130-40-5]		
83810	purum ~97%; FMN (M_r 456.4) ~86%; store in refrigerator	10 g 18. —	50 g 75. —
	9-(β-D-Ribofuranosyl)purine-6-thiol see 63830 6-Mercaptopurine-9-β-D-ribofuranoside		
	D(+)-Ribonic acid-γ-lactone [D(+)-Ribono-1,4-lactone] $\text{HOCH}_2\text{CH}(\text{CHOH})_2\text{COO}$ $\text{C}_5\text{H}_8\text{O}_5$ M_r 148.12 [5336-08-3]		
83820	puriss. >99% (T); M.P. 84-86°; $[\alpha]_{\text{D}}^{20} + 20.0 \pm 0.5^\circ$; $[\alpha]_{\text{D}}^{20} + 18 \pm 0.5^\circ$ (c = 5 in water); 1 g clearly soluble in 10 ml water	10 g 10. —	50 g 42. —
	Ribonuclease , RNase ex Bovine pancreas (EC 3.1.4.22) [9001-99-4]		
83830	puriss. CHR; salt-free and protease free; freeze dried; store in refrigerator; prepared from chromatographically pure Ribonuclease A according to Hirs et al., J. Biol. Chem. 200, 493 (1953); activity ~90 U/mg according to Kunitz, J. Biol. Chem. 164, 563 (1946)	100 mg 60. —	
83832	puriss. chromatographically prepared; freeze dried; store in refrigerator; salt-free and protease free; ~70 U/mg according to Kunitz, J. Biol. Chem. 164, 564 (1946)	100 mg 20. —	1 g 160. —
83834	purum 4 × cryst.; salt-free and protease free; ~70 U/mg according to Kunitz; store in refrigerator	100 mg 15. —	1 g 120. —
83850	Ribonucleic acid purum M.P. 228-230° dec.; store in refrigerator (Nucleic acid)	25 g 11. —	100 g 38. —
	Ribonucleic acid Sodium salt see 71790 Sodium nucleinate		
83863	L(+)-Ribose puriss. p.a. M.P. 84-86°; $[\alpha]_{\text{D}}^{20} + 24 \pm 1^\circ$; $[\alpha]_{\text{D}}^{20} + 20 \pm 1^\circ$ (c = 10 in water) $\text{CH}_2(\text{CHOH})_4\text{O}$ $\text{C}_5\text{H}_{10}\text{O}_5$ M_r 150.13 [24259-59-4]	250 mg 50. —	

sFr.

sFr.

D(-)-Ribose

83860	$\text{CH}_2(\text{CHOH})_4\text{O}$ $\text{C}_5\text{H}_{10}\text{O}_5$ M_r 150.13 [50-69-1]			
	puriss. p.a. M.P. 86-88°; $[\alpha]_{546}^{20 \rightarrow 28h} -24 \pm 1^\circ$; $[\alpha]_{546}^{20 \rightarrow 28h} -20 \pm 1^\circ$ (c = 10 in water); 1 g clearly and colourless soluble in 10 ml water			
	Fluka-Guarantee:			
	Loss on drying	<0.1 %	Cadmium (Cd)	<0.0001 %
	Residue on ignition		Zinc (Zn)	<0.0001 %
	(as SO_4)	<0.1 %	Iron (Fe)	<0.0005 %
	Chloride (Cl)	<0.005 %	Cobalt (Co)	<0.0001 %
	Sulfate (SO_4)	<0.005 %	Nickel (Ni)	<0.0001 %
	Copper (Cu)	<0.0001 %	Arsenic (As)	<0.00001 %
	Lead (Pb)	<0.0001 %		

**D-Ribose-5-phosphate Barium salt, R-5-P-Ba**

83870	$\text{BaO}_3\text{POCH}_2\text{CH}(\text{CHOH})_3\text{O} \cdot 6\text{H}_2\text{O}$ $\text{C}_6\text{H}_9\text{BaO}_6\text{P} \cdot 6\text{H}_2\text{O}$ M_r 473.53 [15673-79-7]			
	purum ~94%; R-5-P (M_r 230.1) ~54%; $[\alpha]_{546}^{20} + 10 \pm 3^\circ$ (c = 1 in 0.2n HCl); store in refrigerator			
			250 mg 16. —	1 g 55. —

83890	D-Ribulose purum $[\alpha]_{546}^{20} - 14 \pm 1^\circ$; $[\alpha]_{546}^{20} - 12 \pm 1^\circ$ (c = 1 in water); Yellow viscous syrup $\text{HOCH}_2\text{CO}(\text{CHOH})_2\text{CH}_2\text{OH}$ $\text{C}_5\text{H}_{10}\text{O}_5$ M_r 150.14 [488-84-6]	50 mg 26. —	250 mg 110. —
-------	---	-------------	---------------

83903	Ricinoleic acid techn. ~80-85% (GC); d_4^{20} 0.940; store in refrigerator (12-Hydroxyoleic acid) $\text{CH}_3(\text{CH}_2)_5\text{CH}(\text{OH})\text{CH}_2\text{CH}:\text{CH}(\text{CH}_2)_7\text{COOH}$ $\text{C}_{18}\text{H}_{34}\text{O}_3$ M_r 298.47 [141-22-0]	250 g 23. —	1 kg 85. —
-------	---	-------------	------------

Robane see 85630 Squalane**Robigenin** see 60010 Kaempferol**Roeller Juvenilhormone** see 59993 C_{18} -Juvenile Hormone**Rongalit®** see 71530 Sodium formaldehyde sulfoxylate**Rosaniline** see 47860 Fuchsine**Rose Bengale** see 11950 Bengal Rose B**Rosinduline** see 11600 Azocarmine G**p-Rosolic acid (Aurin)**

83910	Standard Fluka; M.P. ~215-220° dec.; 1 g clearly soluble in 20 ml Methanol	25 g 16. —	100 g 55. —
-------	--	------------	-------------

R-5-P-Ba see 83870 D-Ribose-5-phosphate Barium salt**Rubeanic acid** see 43800 Dithiooxamide

83950	Rubidium purum 99.9%; M.P. 38-39° Rb A_r 85.47 [7440-17-7]	1 g 75. —	
-------	--	-----------	--

83960	Rubidium bromide purum RbBr BrRb M_r 165.38 [7789-39-1]	10 g 13. —	50 g 55. —
-------	---	------------	------------

83970	Rubidium carbonate purum p.a. Rb_2CO_3 CO_3Rb_2 M_r 230.95 [584-09-8]	10 g 15. —	50 g 63. —
-------	---	------------	------------

Fluka-Guarantee:			
Assay	>98.0 %	Lead (Pb)	<0.005 %
Chloride (Cl)	<0.01 %	Iron (Fe)	<0.005 %
Sulfate (SO_4)	<0.01 %	Zinc (Zn)	<0.005 %
Copper (Cu)	<0.005 %	Calcium (Ca)	<0.005 %



83980	Rubidium chloride purum p.a. RbCl ClRb M_r 120.92 [7791-11-9]	10 g 14. —	50 g 60. —
-------	---	------------	------------

Fluka-Guarantee:			
Assay	>98.0 %	Iron (Fe)	<0.005 %
Sulfate (SO_4)	<0.02 %	Zinc (Zn)	<0.005 %
Copper (Cu)	<0.005 %	Calcium (Ca)	<0.005 %
Lead (Pb)	<0.005 %		



83990	Rubidium hydroxide Dihydrate purum p.a. $\text{RbOH} \cdot 2\text{H}_2\text{O}$ $\text{HORb} \cdot 2\text{H}_2\text{O}$ M_r 138.51 [1310-82-3]	10 g 16. —	50 g 67. —
-------	--	------------	------------

Fluka-Guarantee:			
Assay	>98.0 %	Lead (Pb)	<0.005 %
Chloride (Cl)	<0.05 %	Iron (Fe)	<0.005 %
Sulfate (SO_4)	<0.01 %	Zinc (Zn)	<0.005 %
Copper (Cu)	<0.005 %	Calcium (Ca)	<0.005 %



		sFr.	sFr.
84010	Rubidium nitrate purum RbNO ₃ NO ₃ Rb M _r 147.48 [13126-12-0]	10 g 16. —	50 g 67. —
84020	Rubidium sulfate purum p.a. Rb ₂ SO ₄ O ₄ Rb ₂ S M _r 267.00 [7488-54-2] Fluka-Guarantee: Assay >98.0 % Iron (Fe) <0.005% Chloride (Cl) <0.005% Zinc (Zn) <0.005% Sulfate (SO ₄) <0.005% Calcium (Ca) <0.01 % Lead (Pb) <0.005%	10 g 16. —	50 g 67. —
84025	Rubratoxin B Mycotoxin; severe poison; store in refrigerator 6.1/81e C ₂₈ H ₃₀ O ₁₁ M _r 518.52 [21794-01-4]	Ampoule of 10 mg 120. —	
	Rudinger Reagent see 56189 3-(4-Hydroxyphenyl)propionic acid N-hydroxysuccinimide ester		
84030	Ruthenium puriss. powder >99.9% Ru A _r 101.07 [7440-18-8]	1 g 32. —	5 g 135. —
84031	Ruthenium 5% on activated Charcoal 4.2/6d	5 g 34. —	
84032	Ruthenium 5% on Alumina	5 g 40. —	
	Ruthenium(VI)-ammonium chloride see 09800 Ammonium hexachlororuthenate(IV)		
	Ruthenium(II)-bis(triphenylphosphite)dichlorodicarbonyl see 15258 Bis(triphenylphosphine)ruthenium(II)-dichlorodicarbonyl		
84040	Ruthenium(III) chloride anhydrous puriss. ~48.8% Ru RuCl ₃ Cl ₃ Ru M _r 207.43 [10049-08-8]	1 g 25. —	5 g 105. —
	Ruthenium(III) chloride Hydrate RuCl ₃ .aq Cl ₃ Ru.aq M _r 207.43 + aq [14898-67-0]		
84050	purum ~38-40% Ru; contains 5-10% water; store in refrigerator	1 g 25. —	5 g 105. —
	Ruthenium dioxide see 84060 Ruthenium(IV) oxide		
84055	tri-Ruthenium dodecacarbonyl pract. Ru ₃ (CO) ₁₂ C ₁₂ O ₁₂ Ru ₃ M _r 639.14 [15243-33-1]	1 g 160. —	
84060	Ruthenium(IV) oxide anhydrous puriss. 75% Ru (Ruthenium dioxide) RuO ₂ O ₂ Ru M _r 133.07 [12036-10-1]	1 g 32. —	5 g 135. —
84065	Ruthenium(IV) oxide Hydrate purum 60% Ru RuO ₂ .aq M _r 133.07 + aq [32740-79-7]	1 g 25. —	5 g 105. —
	Ruthenium(II) tris(triphenylphosphine)dichloride see 93405 Tris(triphenylphosphine)- ruthenium(II) dichloride		
84071	Ruthenium Red Standard Fluka for Microscopy ~95% (Cl); ~3-5% water [(NH ₃) ₅ RuORu(NH ₃) ₄ ORu(NH ₃) ₅]Cl ₆ .4H ₂ O C ₁₆ H ₄₂ N ₁₄ O ₂ Ru ₃ .4H ₂ O M _r 858.42 [1307-52-4]	1 g 22. —	5 g 90. —
	Rutin (Quercetin-3-rutinoside; Vitamin P) C ₂₇ H ₃₀ O ₁₆ .aq M _r 610.53 + aq [153-18-4]		
84082	purum M.P. ~180-190° dec.; [α] _D ²⁰ +13±2°; [α] _D ²⁰ +9±2° (c = 0.5 in abs. Ethanol)	100 g 13. —	500 g 55. —
	Saccharin and Saccharin Sodium salt see 12475 and 12476 o-Benzoic acid sulfimide and - Sodium salt		
	D(+) -Saccharose see 84100 D(+) -Sucrose		
	D(+) -Saccharose octaacetate see 84112 D(+) -Sucrose octaacetate		
	Saffrosine see 45260 Eosin Scarlet		
	Safranin T [C.I. Nr. 50240; Sch. Nr. 967] 3-NH ₂ C ₆ H ₂ -2-CH ₃ N:C ₆ H ₂ -6-NH ₂ -7-CH ₃ :N(Cl)C ₆ H ₅ C ₂₀ H ₁₉ ClN ₄ M _r 350.85 [477-73-6]		
84120	Standard Fluka for Microscopy (Bact., Bot., Hist.)	25 g 8. —	100 g 25. —



			sFr.	sFr.
	Safrole (4-Allyl-1,2-methylenedioxybenzene) 6.1/21; 100° $\text{CH}_2\text{:CHCH}_2\text{C}_6\text{H}_3\text{OCH}_2\text{O}$ $\text{C}_{10}\text{H}_{10}\text{O}_2$ M_r 162.19 [94-59-7]			
84130	purum ~98% (GC); M.P. 10-12°; B.P. 235-237°; d_4^{20} 1.095; n_D^{20} 1.537	1 lt ≈ 1.10 kg	250 ml 26. —	
	D(—)-Salicin [2-(Hydroxymethyl)phenyl-β-D-glucopyranoside] $\text{HOCH}_2\text{CH(CHOH)}_3\text{CH(OC}_6\text{H}_4\text{CH}_2\text{OH)O}$ $\text{C}_{13}\text{H}_{18}\text{O}_7$ M_r 286.28 [138-52-3]			
84150	purum M.P. 198-200°; $[\alpha]_{546}^{20} -74 \pm 2^\circ$; $[\alpha]_D^{20} -63 \pm 2^\circ$ (c = 3 in water)		10 g 30. —	50 g 125. —
	Salicyl alcohol see 54840 2-Hydroxybenzyl alcohol			
	Salicylaldehyde (2-Hydroxybenzaldehyde) $\text{HOC}_6\text{H}_4\text{CHO}$ $\text{C}_7\text{H}_6\text{O}_2$ M_r 122.12 [90-02-8]			
84160	puriss. redest. >99% (GC); M.P. 1-5°; B.P. 179-80°; d_4^{20} 1.166; n_D^{20} 1.573	1 lt ≈ 1.17 kg	100 ml 16. —	500 ml 67. —
84162	pract. >98% (GC); M.P. 1-5°; B.P. 177-80°; d_4^{20} 1.166; n_D^{20} 1.573; <2% Salicylic acid	1 lt ≈ 1.17 kg	250 ml 14. —	1 lt 50. —
	Salicylaldehyde methyl ether see 64770 2-Methoxybenzaldehyde			
84172	Salicylaldoxime purum >98% (NT); M.P. 57-59° $\text{HOC}_6\text{H}_4\text{CH:NOH}$ $\text{C}_7\text{H}_7\text{NO}_2$ M_r 137.14 [94-67-7]		100 g 28. —	500 g 120. —
84230	Salicylamide puriss. >99% (NT); M.P. 139-141°; 1 g clearly soluble in 10 ml Methanol $\text{HOC}_6\text{H}_4\text{CONH}_2$ $\text{C}_7\text{H}_7\text{NO}_2$ M_r 137.14 [65-45-2]		250 g 10. —	1 kg 32. —
84250	Salicylanilide purum >98% (NT); M.P. 134-136°; 1 g clearly soluble in 5 ml Dioxane $\text{HOC}_6\text{H}_4\text{CONHC}_6\text{H}_5$ $\text{C}_{13}\text{H}_{11}\text{NO}_2$ M_r 213.24 [87-17-2]		250 g 16. —	1 kg 55. —
	Salicylic acid (2-Hydroxybenzoic acid) $\text{HOC}_6\text{H}_4\text{COOH}$ $\text{C}_7\text{H}_6\text{O}_3$ M_r 138.12 [69-72-7]			
84210	puriss. Ph. Helv.; >99% (T); M.P. 158-160°; Ash <0.05%; 1 g clearly soluble in 10 ml Dioxane		1 kg 15. —	5 kg 63. —
	Salicylic acid ethylene glycol ester see 03830 Ethyleneglycol monosalicylate			
84280	Salicylic acid hydrazide purum >99% (NT); M.P. 146-149° $\text{HOC}_6\text{H}_4\text{CONHNH}_2$ $\text{C}_7\text{H}_8\text{N}_2\text{O}_2$ M_r 152.15 [936-02-7]		50 g 20. —	250 g 70. —
	Salicylic acid Sodium salt see 71945 Sodium salicylate			
84176	2-Salicylideneamino-thiophenol purum p.a. [N-(2-Mercaptophenyl)salicylimine] $\text{HOC}_6\text{H}_4\text{CH:NC}_6\text{H}_4\text{SH}$ $\text{C}_{13}\text{H}_{11}\text{NOS}$ M_r 229.30 [3449-05-6]		5 g 15. —	25 g 63. —
	N-Salicyloylcolamine see 54510 N-(2-Hydroxyethyl)salicylic acid amide			
	N-Salicyloyl(2-hydroxyethyl)amine see 54510 N-(2-Hydroxyethyl)salicylic acid amide			
	Saligenin see 54840 2-Hydroxybenzyl alcohol			
84360	Salmine sulfate purum Protamine sulfate ex Salmon sperm (see also Clupeine sulfate)		5 g 18. —	25 g 75. —
84430	Samarium puriss. in Sticks 99.9%; 0.1% Nd + Gd + Eu Sm A_r 150.35 [7440-19-9]		10 g 30. —	50 g 125. —
	Samarium chloride $\text{SmCl}_3 \cdot 6\text{H}_2\text{O}$ $\text{Cl}_3\text{Sm} \cdot 6\text{H}_2\text{O}$ M_r 364.80 [13465-55-9]			
84440	purum >97% (Cl); Selective 1,2-reductions of conjugated ketones with sodium borohydride in the presence of samarium chloride: J. L. Luche, J. Am. Chem. Soc. 100, 2226 (1978)		10 g 15. —	50 g 63. —
	Samarium chloride Solution 8/5 SmCl_3 Cl_3Sm M_r 256.71 [10361-82-7]			
84450	p.a. 0.66 molar in HCl; for checking the wavelength of UV-Spectrophotometers according to J. Fog, E. Osnes, Analyst 87, 760 (1962)	1 lt ≈ 1.16 kg	25 ml 12. —	100 ml 40. —
84455	Samarium nitrate purum >98% (T); 1 g clearly soluble in 10 ml water $\text{Sm(NO}_3)_3$ $\text{N}_3\text{O}_9\text{Sm}$ M_r 336.37 [10361-83-8]		10 g 25. —	50 g 105. —
	Samarium oxide Sm_2O_3 O_3Sm_2 M_r 348.70 [12060-58-1]			
84460	puriss. >99.9% + 0.1% Nd_2O_3 + Gd_2O_3 + Eu_2O_3		10 g 16. —	50 g 67. —
84462	pract. ~95%		50 g 32. —	

		sFr.	sFr.
84880	Sand purified by acid purum p.a. 40-100 mesh; Residue on ignition <0.1%	500 g 11. —	1 kg 20. —
	Sanger Reagent see 42080 2,4-Dinitrobenzene		
	Santolite MHP®		
84505	Resine prepared with condensation of Arylsulfonamides and Formaldehyde; Embedding medium for microscopy ® Registered trade-mark of Monsanto Co., USA	250 g 12. —	1 kg 40. —
	"Saran Resin"®		
84520	F 120 (Viscosity of 20%-solution in Ethylmethylketone 1000 mPa.s)	1 kg 30. —	
84522	F 220 (Viscosity of 20%-solution in Acetone 60 mPa.s) ® Registered trade-mark of The Dow Chemical Co., USA	1 kg 30. —	
	Sarcosine (N-Methylglycine) $\text{CH}_3\text{NHCH}_2\text{COOH}$ $\text{C}_3\text{H}_7\text{NO}_2$ M_r 89.10 [107-97-1]		
84530	puriss. CHR; ~99%(NT); M.P. ~212° dec.	25 g 9. —	100 g 30. —
84532	pract. cryst. >98%(T); M.P. 208-212° dec.	250 g 22. —	1 kg 80. —
	Sarcosine anhydride (1,4-Dimethyl-2,5-dioxopiperazine) $\text{CH}_3\text{NCH}_2\text{CON}(\text{CH}_3)\text{CH}_2\text{CO}$ $\text{C}_6\text{H}_{10}\text{N}_2\text{O}_2$ M_r 142.16 [5076-82-4]		
84550	puriss. CHR; ~99%(T); M.P. 145-147°	25 g 33. —	100 g 120. —
84510	Saponine DAB pure; contains ~20% Sapogenine	100 g 14. —	500 g 60. —
	Sarcosine Cresol Red [o-Cresolsulfonphthalein-3',3"-bis(N-methylmethylaminoacetic acid)] $\text{C}_{29}\text{H}_{32}\text{N}_2\text{O}_9\text{S}$ M_r 584.65		
84565	Standard Fluka	1 g 18. —	5 g 75. —
	Sarcosine ethyl ester hydrochloride $\text{CH}_3\text{NHCH}_2\text{COOC}_2\text{H}_5\cdot\text{HCl}$ $\text{C}_5\text{H}_{11}\text{NO}_2\cdot\text{HCl}$ M_r 153.61 [52605-49-9]		
84539	puriss. >99%(Cl); M.P. ~125° dec.; Ash <0.05%; hygroscopic; 1 g clearly and colourless soluble in 10 ml water	10 g 28. —	50 g 120. —
	Sarcosinenitrile hydrochloride see 65620 Methylaminoacetonitrile hydrochloride		
84610	Scandium purum >99% Sc A_r 44.96 [7440-20-2]	250 mg 50. —	1 g 175. —
84620	Scandium chloride Hydrate purum contains ~50% water $\text{ScCl}_3\cdot\text{aq}$ $\text{Cl}_3\text{Sc}\cdot\text{aq}$ M_r 151.32 + aq [10361-84-9]	250 mg 16. —	1 g 55. —
	Scandium oxide Sc_2O_3 O_3Sc_2 M_r 137.91 [12060-08-1]		
84630	puriss. from Sc 99.9% + 0.02% Y_2O_3 + 0.01% Yb_2O_3 + Traces Bi_2O_3 + PbO + SiO_2	250 mg 20. —	1 g 40. —
84640	Scandium sulfate puriss. from Sc 99.9% $\text{Sc}_2(\text{SO}_4)_3\cdot 6\text{H}_2\text{O}$ $\text{O}_{12}\text{S}_3\text{Sc}_2\cdot 6\text{H}_2\text{O}$ M_r 486.19 [13465-61-7]	250 mg 14. —	1 g 50. —
	Scarlet R [C.I. Nr. 26105; Sch. Nr. 541] (Biebrich Scarlet R Fat Soluble; Fat ponceau; Sudan IV) $2\text{-CH}_3\text{C}_6\text{H}_4\text{N:NC}_6\text{H}_3\text{-3-CH}_3\text{-4-N:N-1-C}_{10}\text{H}_6\text{-2-OH}$ $\text{C}_{24}\text{H}_{20}\text{N}_4\text{O}$ M_r 380.45 [85-83-6]		
84650	Standard Fluka for Microscopy (Bot., Hist.)	25 g 7. —	100 g 18. —
84655	Schiff's Reagent for Aldehydes Standard Fluka (Fuchsine sulfurous acid)	1 lt ≈ 1.00 kg 250 ml 7. —	1 lt 20. —
	"Schliff-auf" Fluka		
84670	8/21 Medium for the separation of ground joints sticking together	1 lt ≈ 1.20 kg 100 ml 8. —	1 lt 50. —
84780	Scopolamine purum ~97%(NT); $[\alpha]_{546}^{20} - 30 \pm 2^\circ$ (c = 5 in Chlf.) (Hyoscine) 6.1/81e $\text{C}_{17}\text{H}_{21}\text{NO}_4$ M_r 303.36 [51-34-3]	100 mg 10. —	1 g 70. —
	Scopoletin (Esculetin-6-methyl ether; Chrysotropic acid; Gelseminic acid; 7-Hydroxy-6-methoxycoumarin) 6.1/81e $\text{CH}_3\text{OC}_6\text{H}_2(\text{OH})\text{CH:CHCOO}$ $\text{C}_{10}\text{H}_8\text{O}_4$ M_r 192.17 [92-61-5]		
84792	purum >98%(UV); M.P. 204-206°	100 mg 25. —	1 g 160. —
	SDS see 71729 Sodium lauryl sulfate		
	Sebacic acid (Decanedioic acid; Dicarboxylic acid C_{10}) $\text{HOOC}(\text{CH}_2)_8\text{COOH}$ $\text{C}_{10}\text{H}_{18}\text{O}_4$ M_r 202.25 [111-20-6]		
84809	purum ~97%(GC); M.P. 131-133°	100 g 20. —	500 g 85. —
84810	pract. ~90-95%(GC); M.P. 130-133°	250 g 13. —	1 kg 45. —

					sFr.	sFr.
Sebaconitrile (Octamethylenedicyanide)						
84871	6.1/2b	NC(CH ₂) ₈ CN C ₁₀ H ₁₆ N ₂ M _r 164.25 [1871-96-1]				
		pract. ~95% (GC); B.P. 199-200° (Lit.); d ₄ ²⁰ 0.915; n _D ²⁰ 1.447		1 lt ≈ 0.92 kg	25 ml 17. —	100 ml 60. —
Sebacoyl chloride						
84850	8/22	CICO(CH ₂) ₈ COCl C ₁₀ H ₁₆ Cl ₂ O ₂ M _r 239.14 [111-19-3]				
		purum ~97% (GC); M.P. -5--3°; B.P. 140-145°; d ₄ ²⁰ 1.117; n _D ²⁰ 1.468		1 lt ≈ 1.12 kg	100 ml 35. —	500 ml 120. —
Secretin Series see 84875 Secretin pentacitrate and 31193 DATA-Secretin (Desaminotyrosyl-β-alanyl-secretin)						
Secretin pentacitrate (Porcine secretine)						
H-His-Ser-Asp-Gly-Thr-Phe-Thr-Ser-Glu-Leu-Ser-Arg-Leu-Arg-Asp-Ser-Ala-Arg-Leu-Gln-Arg-Leu-Leu-Gln-Gly-Leu-Val-NH ₂ (+~5 C ₆ H ₅ O ₇)						
C ₁₃₀ H ₂₂₀ N ₄₄ O ₄₁ M _r 3055.46 [17034-35-4]						
84875		under argon; store in refrigerator; Synthesized according to E. Wünsch et al., Chem. Ber. 105, 3508-2514 and 2515-2522 (1972)		1 mg 300. —	5 mg 800. —	10 mg 1500. —
84931		Selenic acid purum ~97% (T)			25 g 20. —	100 g 70. —
	8/21	H ₂ SeO ₄ H ₂ O ₄ Se M _r 144.97 [7783-08-6]				
Selenium metal "black"						
	6.1/81j	Se A _r 78.96 [7782-49-2]				
84890		puriss. pearl >99.999%; Rectifier quality			25 g 22. —	100 g 80. —
84892		purum powder 99.9%		25 g 11. —	100 g 38. —	500 g 170. —
84894		Selenium (Coating quality BALZERS) 99.999%; Mesh size 0.7-3.5 mm			10 g 35. —	100 g 200. —
84900		Selenium dioxide purum p.a. subl.; Review: Org. Reactions 24, 261 (1976)		25 g 12. —	100 g 40. —	500 g 170. —
	6.1/81j	SeO ₂ O ₂ Se M _r 110.96 [7446-08-4]				
		Fluka-Guarantee:				
		Assay >98.0 % Lead (Pb) <0.005%				
		Chloride (Cl) <0.05 % Iron (Fe) <0.005%				
		Sulfate (SO ₄) <0.005% Zinc (Zn) <0.005%				
		Copper (Cu) <0.005% Calcium (Ca) <0.005%				
84910		Selenourea purum >99% (N); M.P. 214-215° dec.; store in refrigerator			1 g 25. —	5 g 105. —
	6.1/52	NH ₂ CSeNH ₂ CH ₄ N ₂ Se M _r 123.02 [630-10-4]				
84920		Selenous acid purum >97% (RT); 1 g clearly soluble in 10 ml water			50 g 15. —	250 g 63. —
	6.1/81j	H ₂ SeO ₃ H ₂ O ₃ Se M _r 128.97 [7783-00-8]				
Semicarbazide hydrochloride (N-Aminourea hydrochloride)						
NH ₂ CONHNH ₂ ·HCl CH ₅ N ₃ O·HCl M _r 111.53 [563-41-7]						
84940		purum p.a. M.P. 170-175° dec.; Ash <0.1%			100 g 12. —	500 g 50. —
		Fluka-Guarantee:				
		Assay >98.0 % Iron (Fe) <0.005%				
		Sulfate (SO ₄) <0.005% Zinc (Zn) <0.005%				
		Copper (Cu) <0.005% Calcium (Ca) <0.005%				
		Lead (Pb) <0.005%				
"Semioxamazide" see 75790 Oxamic acid hydrazide						
Senecioic acid see 38880 3,3-Dimethylacrylic acid						
"Separan" ® Flocculating and Filtration Agent						
84950		Type NP 10			100 g 12. —	500 g 50. —
84953		Type PG 2			250 g 17. —	1 kg 60. —
® Registered trade-mark of The Dow Chemical Co., USA						
L-Serine (2-Amino-3-hydroxypropionic acid)						
HOCH ₂ CH(NH ₂)COOH C ₃ H ₇ NO ₃ M _r 105.09 [56-45-1]						
84960		puriss. p.a. [α] _D ²⁰ +16.0±0.5°; [α] _D ²⁰ 13.1±0.5° (c = 5 in 5n HCl)		10 g 9. —	50 g 32. —	250 g 135. —
		Fluka-Guarantee:				
		Assay >99.0% Ammonium (NH ₄) <0.05 %				
		Other amino acids <0.3 % Copper (Cu) <0.0001%				
		Loss on drying <0.2 % Lead (Pb) <0.0001%				
		Residue on ignition (as SO ₄) <0.1 % Iron (Fe) <0.0005%				
		Chloride (Cl) <0.01% Zinc (Zn) <0.0001%				
		Sulfate (SO ₄) <0.01% Cadmium (Cd) <0.0001%				



		sFr.	sFr.
D-Serine			
84970	HOCH ₂ CH(NH ₂)COOH C ₃ H ₇ NO ₃ M _r 105.09 [312-84-5] puriss. CHR; >99% (NT); M.P. 215-225° dec.; [α] _D ²⁰ − 16±1°; [α] _D ²⁰ − 13±1° (c = 5 in 5n HCl)	10 g 16. —	50 g 67. —
84980	DL-Serine puriss. CHR; >99% (NT); M.P. 230-240° dec. HOCH ₂ CH(NH ₂)COOH C ₃ H ₇ NO ₃ M _r 105.09 [302-84-1]	25 g 10. —	100 g 35. —
L-Serine methyl ester hydrochloride			
85000	HOCH ₂ CH(NH ₂)COOCH ₃ .HCl C ₄ H ₉ NO ₃ .HCl M _r 155.58 [5680-80-8] puriss. >99% (Cl); M.P. 160-165° dec.; [α] _D ²⁰ + 6±0.5° (c = 2 in CH ₃ OH)	5 g 20. —	25 g 85. —
DL-Serine monophosphoric acid see 79710 DL-Phosphoserine			
Serotonin creatininesulfate (5-Hydroxytryptamine creatininesulfate) HO ₂ C ₆ H ₃ NHCH:ÇCH ₂ CH ₂ NH ₂ .C ₄ H ₉ N ₃ O ₅ S.H ₂ O C ₁₀ H ₁₂ N ₂ O.C ₄ H ₉ N ₃ O ₅ S.H ₂ O M _r 405.43 [971-74-4]			
85030	purum >98% (NT); M.P. ~220° dec.; Ash <0.05%	1 g 12. —	5 g 50. —
85040	Serotonin hydrogenmaleate puriss. >99% (T) (5-Hydroxytryptamine hydrogenmaleate) HO ₂ C ₆ H ₃ NHCH:ÇCH ₂ CH ₂ NH ₂ .HOOCCH:CHCOOH C ₁₀ H ₁₂ N ₂ O.C ₄ H ₄ O ₄ M _r 292.30 [18525-25-2]	250 mg 33. —	1 g 120. —
Serotonin hydrogenoxalate (5-Hydroxytryptamine hydrogenoxalate) HO ₂ C ₆ H ₃ NHCH:ÇCH ₂ CH ₂ NH ₂ .(COOH) ₂ C ₁₀ H ₁₂ N ₂ O.C ₂ H ₂ O ₄ M _r 266.26 [3036-16-6]			
85050	puriss. >99% (T); M.P. 195-200° dec.	250 mg 21. —	1 g 75. —
Serpentine hydrogentartrate 6.1/81e C ₂₁ H ₂₀ N ₂ O ₃ .C ₄ H ₆ O ₆ M _r 498.49 [131-07-7]			
85060	purum M.P. 240-250° dec.; [α] _D ²⁰ + 180±5°; [α] _D ²⁰ + 155±5° (c = 1 in water)	250 mg 14. —	1 g 50. —
85070	Sesamol pract. M.P. 61-64° (3,4-Methylenedioxyphenol) QCH ₂ OC ₆ H ₃ OH C ₇ H ₆ O ₃ M _r 138.12 [533-31-3]	10 g 16. —	50 g 67. —
"Shell" see 86350 Teepol			
Shikimic acid CH ₂ (CHOH) ₃ CH:ÇCOOH C ₇ H ₁₀ O ₅ M _r 174.16 [138-59-0]			
85091	purum >97% (T); M.P. ~185° dec.; [α] _D ²⁰ − 210±10°; [α] _D ²⁰ − 175±10° (c = 2 in water); Ash <1%	250 mg 12. —	1 g 50. —
O-Sialic acid see 01400 N-Acetylneuraminic acid			
Sievers' Reagent see 46143 Europium(III) tris(1,1,1,2,2,3,3-heptafluoro-7,7-dimethyl-4,6-octanedionate)			
Sikkon FLUKA Universal Desiccant (Calcium sulfate anhydrous) CaSO ₄ CaO ₄ S M _r 136.14			
85109	Mesh size 0-1 mm	1 kg 10. —	5 kg 40. —
85110	Mesh size 1-3 mm	1 kg 20. —	5 kg 85. —
85112	Mesh size 3-5 mm	1 kg 20. —	5 kg 85. —
Sikkon-Blue FLUKA			
85122	Mesh size 3-5 mm with moisture indicator	250 g 9. —	1 kg 30. —
Silica gels for Column chromatography:			
Silica gel 40			
60735	for Column chromatogr.; mesh size 0.063-0.200 mm (70-230 mesh ASTM)	250 g 9. —	1 kg 30. —
60736	for Column chromatogr.; mesh size 0.2-0.5 mm (35-70 mesh ASTM)	250 g 9. —	1 kg 30. —
Silica gel 60			
60739	for Column chromatogr.; mesh size <0.063 mm (<230 mesh ASTM); activity according to Brockmann and Schodder 2-3	250 g 9. —	1 kg 30. —
60740	puriss.; for Column chromatogr.; mesh size 0.063-0.200 mm (70-230 mesh ASTM); activity according to Brockmann and Schodder 2-3	100 g 11. —	500 g 46. —
60741	for Column chromatogr.; mesh size 0.063-0.200 mm (70-230 mesh ASTM); activity according to Brockmann and Schodder 2-3	250 g 9. —	1 kg 30. —
60742	for Column chromatogr.; mesh size 0.2-0.5 mm (35-70 mesh ASTM); activity according to Brockmann and Schodder 2-3	250 g 9. —	1 kg 30. —

		sFr.	sFr.
Silica gel 60 F₂₅₄			
60743	for Column chromatogr.; standardized moisture: 40%; mesh size 0.063-0.200 mm (70-230 mesh ASTM); suitable for dry-column chromatography	250 g 13.—	1 kg 45.—
Silica gel 100			
60745	for Column chromatogr.; mesh size 0.063-0.200 mm (70-230 mesh ASTM)	250 g 9.—	1 kg 30.—
60746	for Column chromatogr.; mesh size 0.2-0.5 mm (35-70 mesh ASTM)	250 g 12.—	1 kg 40.—
Silica gels for Thin layer chromatography:			
60760	Silica gel G for Thin layer chromatography with ~13% Calcium sulfate	250 g 10.—	1 kg 32.—
60765	Silica gel GF 254 for Thin layer chromatography with ~13% Calcium sulfate and Fluorescent indicator	250 g 10.—	1 kg 35.—
60770	Silica gel H for Thin layer chromatography without Calcium sulfate	250 g 10.—	1 kg 32.—
60775	Silica gel HF 254 for Thin layer chromatography without Calcium sulfate; with Fluorescent indicator	250 g 10.—	1 kg 35.—
Silica gel			
85330	Mesh size 1-3 mm	1 kg 12.—	
85332	Mesh size 2-6 mm	1 kg 12.—	
Silica gel 10 × 20 cm see 60777 TLC Alu-foils			
Silica gel 20 × 20 cm see 60778 TLC Alu-foils			
Silica gel blue Active Drying and Adsorption agent with moisture indicator; internal surface: 500-800 m ² /g			
85340	Mesh size 1-2 mm	1 kg 15.—	
85342	Mesh size 3-6 mm	1 kg 15.—	5 kg 63.—
85343	Mesh size 5-10 mm	1 kg 15.—	5 kg 63.—
Silicic acid			
60780	SiO ₂ .aq M _r 60.09 + aq [1343-98-2] puriss. p.a. 100 mesh; for Chromatography according to Ramsey and Patterson	250 g 29.—	1 kg 105.—
60781	Silicic anhydride pract. (Silica; Silicon dioxide) SiO ₂ O ₂ Si M _r 60.09 [7631-86-9]	250 g 8.—	1 kg 25.—
Silicon			
	Si A _r 28.09 [7440-21-3]		
85350	puriss. 99.9%; Fe < 0.05%; Mesh size 0.05-0.2 mm	25 g 24.—	100 g 90.—
85351	puriss. 99.9%; Fe < 0.05%; in lumps	100 g 35.—	
85352	purum > 98% powder; Fe < 1%	250 g 14.—	1 kg 50.—
85353	pract. > 97%; Fe < 1%; Mesh size 0-2.5 mm	1 kg 16.—	
85354	Silicon (Coating quality BALZERS) 99.999%; Mesh size 1.0-5.0 mm	10 g 30.—	100 g 180.—
Silicon DC-200			
85377	A Methylsilicon for Gaschromatography; Application temperature: 20-200°	50 ml 7.—	250 ml 22.—
Silicon DC-550			
85378	A Phenylmethylsilicon for Gaschromatography; Application temperature: 20-250°	1 lt ≈ 1.06 kg 50 ml 11.—	
Silicon OV-1			
85380	A Methylsilicon for Gaschromatography; Application temperature: 80-350°	5 g 44.—	
Silicon OV-17			
85381	A Methylphenylsilicon (-50% Phenyl) for Gaschromatography; Application temperature: -350°	5 g 29.—	
Silicon OV-25			
85382	A Methylphenylsilicon (-75% Phenyl) for Gaschromatography; Application temperature: -305°	10 g 75.—	
Silicon OV-101			
85383	A Methylsilicon for Gaschromatography; Application temperature: 30-350°	10 g 65.—	

		sFr.	sFr.
Silicon OV-225			
85384	A Cyanopropyl-phenylsilicon for Gaschromatography; Application temperature: -275°	5 g 67.—	
Silicon OV-275			
85385	A Cyanosilicon for Gaschromatography; Application temperature: -275°	5 g 90.—	
85390	Silicon Antifoam	100 g 10.—	500 g 40.—
85410	Silicon grease for use in vacuum lines	Tube of 50 g 16.—	
Silicon grease Bayer Tube containing ~35 g			
85400	low vacuum	1 tube 7.—	
85402	medium vacuum	1 tube 7.—	
85403	high vacuum	1 tube 7.—	
Silicon dioxide see also 83340 Quartz			
Silicon dioxide (Coating quality BALZERS)			
85356	99.9%; Mesh size 0.2-0.7 mm	100 g 35.—	500 g 105.—
85357	99.8%; Tablets	10 g 25.—	
85360	Silicon monoxide purum subl. ~99% SiO OSi M _r 44.08 [10097-28-6]	10 g 25.—	50 g 105.—
Silicon monoxide (Coating quality BALZERS)			
85362	99.8%; Mesh size 5.0-8.0 mm	10 g 35.—	100 g 220.—
85363	99.8%; Mesh size 3.5-5.0 mm	10 g 35.—	100 g 220.—
85364	99.8%; Mesh size 0.7-1.5 mm	10 g 35.—	100 g 220.—
85365	99.8%; Mesh size 0.2-0.7 mm	10 g 30.—	100 g 180.—
Silicon oil			
85415	for oilbaths -300°; Viscosity 20°; 320-359 mPa.s; d ₄ ²⁰ 0.973; n _D ²⁰ 1.405	1 lt ≈ 0.97 kg 250 ml 14.—	1 lt 50.—
Silicon tetrachloride (Tetrachlorosilane) 8/11a SiCl ₄ Cl ₄ Si M _r 169.90 [10026-04-7]			
85370	puriss. redest.; >99%(Cl); B.P. 56-57°; d ₄ ²⁰ 1.480; n _D ²⁰ 1.415; lachrymator	1 lt ≈ 1.48 kg 250 ml 13.—	1 lt 45.—
85372	pract. >98%(Cl); B.P. 56-58°; d ₄ ²⁰ 1.480; lachrymator	1 lt ≈ 1.48 kg 1 lt 25.—	
Silk fibroin see 46320 Fibroin			

Silylating Agents see "Chromatography" green section

Silver			
	Ag A _r 107.87 [7440-22-4]		
85130	puriss. >99.99%	10 g 80.—	50 g 335.—
85131	colloidal Codex France; purum	10 g 85.—	50 g 355.—
85132	purum powder precipitated	10 g 70.—	50 g 315.—
85133	purum wool for elementar analysis	10 g 70.—	50 g 315.—
Silver (Coating quality BALZERS)			
85134	99.99%; Mesh size 0.7-1.5 mm	10 g 90.—	100 g 560.—
85135	99.99%; Wire diameter 2 mm	10 g 90.—	100 g 560.—
85136	99.99%; Mesh size 0.2-0.7 mm	10 g 90.—	100 g 560.—
Silver Ion Standard Solution FLUKA			
85137	1.000 g Silver/Liter/20°C; prepared from AgNO ₃ ; pH 1.5; adjusted with HNO ₃	1 lt ≈ 1.00 kg 500 ml 18.—	
		10 g 45.—	50 g 190.—
85140	Silver acetate purum p.a. CH ₃ COOAg C ₂ H ₃ AgO ₂ M _r 166.92 [563-63-3]		
	Fluka-Guarantee:		
	Assay >98.0 %	Lead (Pb) <0.005%	
	Chloride (Cl) <0.005%	Iron (Fe) <0.005%	
	Sulfate (SO ₄) <0.005%	Zinc (Zn) <0.005%	
	Copper (Cu) <0.005%	Calcium (Ca) <0.005%	



				sFr.	sFr.
	Silver borofluoride see 85300 Silver tetrafluoroborate anhydrous				
85145	Silver bromide pract. AgBr M_r 187.78 [7785-23-1]			10 g 40. —	50 g 170. —
85150	Silver carbonate purum 78.2% Ag Ag ₂ CO ₃ CAg ₂ O ₃ M_r 275.75 [534-16-7]			10 g 65. —	50 g 275. —
85160	Silver chloride purum p.a. AgCl M_r 143.32 [7783-90-6] Fluka-Guarantee: Assay >98.0 % Lead (Pb) <0.005% Sulfate (SO ₄) <0.005% Iron (Fe) <0.005% Copper (Cu) <0.005% Zink (Zn) <0.005%			10 g 65. —	50 g 275. —
	Silver chromate Ag ₂ CrO ₄ M_r 331.73 [7784-01-2]				
85170	puriss. 65%(Ag); A new facile synthesis of α -iodo ketones by oxidation of olefins with silver chromate-iodine: G. Cardillo and M. Shimizu, J. Org. Chem. 42, 4268 (1977)			10 g 45. —	50 g 190. —
85178	Silver cyanide purum p.a. 6.1/31a AgCN CAgN M_r 133.89 [506-64-9] Fluka-Guarantee: Assay >98.0 % Iron (Fe) <0.005% Chloride (Cl) <0.01 % Zinc (Zn) <0.005% Copper (Cu) <0.005% Calcium (Ca) <0.005% Lead (Pb) <0.005%			10 g 70. —	50 g 295. —
	Silver diethyldithiocarbamate (C ₂ H ₅) ₂ NCSSAg C ₅ H ₁₀ AgNS ₂ M_r 256.14 [1470-61-7]				
85180	puriss. p.a. >99%(Ag); store in refrigerator; for As-determination; Anal. Chem. 31, 1589, 1593, 2052 (1959); Microchim. Acta 526 (1972)			10 g 45. —	50 g 190. —
85182	Silver difluoride pract. >98%(Ag) 8/15a AgF ₂ M_r 145.87 [7783-95-1]			5 g 37. —	25 g 155. —
85183	Silver fluoride pract. >98%(Ag); M.P. >300° AgF M_r 126.87 [7775-41-9]			5 g 40. —	25 g 163. —
85186	Silver hexafluorophosphate purum >98%(Ag) 8/15 AgPF ₆ AgF ₆ P M_r 252.83 [26042-63-7]			1 g 25. —	5 g 105. —
85190	Silver iodate purum p.a. 5.1/4 AgIO ₃ M_r 282.77 [7783-97-3] Fluka-Guarantee: Assay >98.0 % Lead (Pb) <0.005% Chloride (Cl) <0.005% Iron (Fe) <0.005% Sulfate (SO ₄) <0.005% Zinc (Zn) <0.005% Copper (Cu) <0.005% Calcium (Ca) <0.005%			10 g 40. —	50 g 170. —
85200	Silver iodide puriss. >99%(Ag) AgI M_r 234.77 [7783-96-2]			10 g 40. —	50 g 170. —
85210	Silver lactate purum >97%(Ag) (Lactic acid Silver salt) CH ₃ CH(OH)COOAg C ₃ H ₅ AgO ₃ M_r 196.94 [128-00-7]			10 g 50. —	50 g 210. —
	Silver nitrate 5.1/7 AgNO ₃ M_r 169.88 [7761-88-8]				
85228	puriss. p.a. Fluka-Guarantee: Assay >99.8 % Calcium (Ca) <0.0005% Chloride (Cl) <0.001 % Sodium (Na) <0.005 % Sulfate (SO ₄) <0.002 % Potassium (K) <0.001 % Copper (Cu) <0.0005% Manganese (Mn) <0.0005% Lead (Pb) <0.001 % Nickel (Ni) <0.0005% Iron (Fe) <0.0005% Cadmium (Cd) <0.0001% Zinc (Zn) <0.0001%			10 g 60. —	50 g 250. —



				sFr.	sFr.
85230	purum p.a. cryst.			10 g 50. —	25 g 110. — 100 g 400. —
	Fluka-Guarantee:				
	Assay	>99.0 %	Lead (Pb)	<0.005%	
	Chloride (Cl)	<0.005%	Iron (Fe)	<0.005%	
	Sulfate (SO ₄)	<0.01 %	Zinc (Zn)	<0.005%	
	Copper (Cu)	<0.005%	Calcium (Ca)	<0.005%	
0.1 N Silver nitrate solution					
85235	adjusted against Sodium chloride; Factor 1.000±0.2%			1 lt ≈ 1.00 kg	1 lt 38. —
85240	Silver nitrite purum >97%(Ag) 5.1/8 AgNO ₂ M _r 153.88 [7783-99-5]				10 g 60. — 50 g 250. —
Silver nucleinate see 95280 Silver vitellinate					
85250	Silver orthophosphate puriss. >98%(Ag) Ag ₃ PO ₄ Ag ₃ O ₄ P M _r 418.58 [7784-09-0]				10 g 70. — 50 g 295. —
85260	Silver oxide purum p.a. Ag ₂ O M _r 231.74 [20667-12-3]				10 g 75. — 50 g 315. —
	Fluka-Guarantee:				
	Assay	>99.0 %	Lead (Pb)	<0.005%	
	Chloride (Cl)	<0.005%	Iron (Fe)	<0.005%	
	Sulfate (SO ₄)	<0.005%	Zinc (Zn)	<0.005%	
	Copper (Cu)	<0.005%	Calcium (Ca)	<0.005%	
85262	Silver(II) oxide purum >98%(Ag) AgO M _r 123.87 [1301-96-8]				10 g 85. — 50 g 355. —
85270	Silver perchlorate Monohydrate puriss. cryst. >99%(Ag) AgClO ₄ ·H ₂ O M _r 225.34 [7783-93-9]				10 g 55. — 50 g 230. —
85273	Silver permanganate techn. ~85%(RT) 5.1/9c AgMnO ₄ M _r 226.81 [7783-98-4]				10 g 50. — 50 g 210. —
Silver proteinate see 95280 Silver vitellinate					
05495	Silver proteinate for Histology; Ag 8.3% (Albumose silver)				5 g 13. — 25 g 55. —
85275	Silver stearate purum >97%(Ag) (Stearic acid Silver salt) CH ₃ (CH ₂) ₁₆ COOAg C ₁₈ H ₃₅ AgO ₂ M _r 391.35 [3507-99-1]				10 g 35. — 50 g 145. —
Silver sulfate					
85279	Ag ₂ SO ₄ Ag ₂ O ₄ S M _r 311.80 [10294-26-5] puriss. p.a.				10 g 65. — 50 g 275. —
	Fluka-Guarantee:				
	Assay	>99.0 %	Iron (Fe)	<0.0005%	
	Copper (Cu)	<0.0005%	Zinc (Zn)	<0.0002%	
	Lead (Pb)	<0.001 %	Calcium (Ca)	<0.002 %	
85280	purum p.a.				10 g 55. — 50 g 230. —
	Fluka-Guarantee:				
	Assay	>98.0 %	Iron (Fe)	<0.005%	
	Copper (Cu)	<0.005%	Zinc (Zn)	<0.005%	
	Lead (Pb)	<0.005%	Calcium (Ca)	<0.005%	
85290	Silver sulfide purum p.a. Ag ₂ S M _r 247.80 [21548-73-2]				10 g 75. — 50 g 315. —
	Fluka-Guarantee:				
	Assay	>98.0 %	Iron (Fe)	<0.01 %	
	Chloride (Cl)	<0.005%	Zinc (Zn)	<0.005%	
	Copper (Cu)	<0.005%	Calcium (Ca)	<0.005%	
	Lead (Pb)	<0.005%			
85300	Silver tetrafluoroborate anhydrous purum >98%(Ag) (Silver borofluoride) 6.1/81i AgBF ₄ M _r 194.68 [14104-20-2]				5 g 46. — 25 g 200. —
85315	Silver thiocyanate purum >98%(Ag) 6.1/21 AgSCN CAgNS M _r 165.95 [1701-93-5]				10 g 60. — 50 g 250. —



			sFr.	sFr.
Silver toluene-4-sulfonate (Silver tosylate; Toluene-4-sulfonic acid Silver salt)				
	$\text{CH}_3\text{C}_6\text{H}_4\text{SO}_3\text{Ag}$ $\text{C}_7\text{H}_7\text{AgO}_3\text{S}$ M_r 279.07 [16836-95-6]			
85320	purum >98% (Ag); for Aldehyde synthesis; J. Am. Chem. Soc. 81, 4113 (1959)			
			10 g 50.—	50 g 210.—
Silver tosylate see 85320 Silver toluene-4-sulfonate				
Silver trifluoromethanesulfonate (Silver triflate; Trifluoromethanesulfonic acid Silver salt)				
	$\text{CF}_3\text{SO}_3\text{Ag}$ $\text{CAgF}_3\text{O}_3\text{S}$ M_r 256.94 [35896-42-5]			
85325	purum >98% (Ag); Reagent for the Substitution of Halogens through the Triflate-group; H. Steitwieser et al., J. Am. Chem. Soc. 90, 1598 (1968)			
			5 g 42.—	25 g 175.—
95280	Silver vitellinate 20% Ag; B.P. (Silver proteinate; Silver nucleinate)			
			25 g 50.—	100 g 175.—
Sinapic acid (3,5-Dimethoxy-4-hydroxycinnamic acid)				
	$(\text{CH}_3\text{O})_2\text{C}_6\text{H}_2(\text{OH})\text{CH}:\text{CHCOOH}$ $\text{C}_{11}\text{H}_{12}\text{O}_5$ M_r 224.22 [530-59-6]			
85430	purum >99% (T); M.P. 195-200° dec.			
			1 g 10.—	5 g 42.—
β-Sitosterol (α -Dihydrofucosterol; 22,23-Dihydrostigmasterol)				
	$\text{C}_{29}\text{H}_{50}\text{O}$ M_r 414.72 [83-46-5]			
85451	techn. ~50-60% (GC); Rest: Campesterol and Stigmasterol; M.P. 136-140°; $[\alpha]_{\text{D}}^{20} -42 \pm 2^\circ$ (c = 2 in CHCl_3)			
			100 g 18.—	
Skatol see 85460 3-Methylindole				
SNADNS [C.I. Nr. 16645; Sch. Nr. 216] [Chromotrop 8B; 2-(4-Sulfo-1-naphthylazo)chromotropic acid Trisodium salt]				
	$4\text{-NaO}_3\text{SC}_{10}\text{H}_6\text{-1-N:N-2-C}_{10}\text{H}_3\text{-1,8-(OH)}_2\text{-3,6-(SO}_3\text{Na)}_2$ $\text{C}_{20}\text{H}_{11}\text{N}_2\text{Na}_3\text{O}_{11}\text{S}_3$			
	M_r 620.48 [611-39-2] (free acid)			
85470	p.a. Metal-Indicator for complexometry; 1 g clearly soluble in 20 ml water; Chelatochrom-Indicator for the Titration of F^- with Th and Th with Oxalate			
			1 g 10.—	5 g 37.—
Soda lime with Indicator granular [8006-28-8]				
72073	p.a. CO_2 adsorption capacity >28%; loss on drying (105°C) 13-18%; mesh size 2-5 mm			
			500 g 10.—	1 kg 18.—
Sodium				
	4.3/1a	Na A_r 22.99 [7440-23-5]		
71170		pract. in thin sticks		500 g 21.—
71172		pract. in large pieces		500 g 15.—
71174	4.3/1c	pract. 40% dispersion in paraffin; Particle size ~10 μ		500 g 26.—
71175	4.3/1c	30% dispersion in toluene	1 lt $\approx$ 0.87 kg	250 ml 24.—
Sodium Ion Standard Solution FLUKA				
71177	1.000 g Sodium/Liter/20°C; prepared from NaCl; pH 6			
			1 lt $\approx$ 1.00 kg	500 ml 18.—
Sodium acetate anhydrous				
	CH_3COONa $\text{C}_2\text{H}_3\text{NaO}_2$ M_r 82.04 [127-09-3]			
71180	puriss. p.a.			
			250 g 7.—	1 kg 20.—
	Fluka-Guarantee:			
	Assay (Perchloric acid titration)	>99.0 %	Sulfate (SO_4)	<0.003 %
	Loss on drying (150°C)	<0.5 %	Phosphate (PO_4)	<0.0005%
	Insolubles in water	<0.005 %	Heavy metals (as Pb)	<0.001 %
	pH (5% solution in water, 20°C)	7.5-9.0	Iron (Fe)	<0.0005%
	Chloride (Cl)	<0.0005%	Aluminum (Al)	<0.001 %
			Calcium (Ca)	<0.001 %
			Magnesium (Mg)	<0.0005%
71181	purum p.a.			
			1 kg 11.—	5 kg 44.—
	Fluka-Guarantee:			
	Assay	>98.0%	Copper (Cu)	<0.005%
	pH (5% solution in water, 20°C)	7.5-9.0	Lead (Pb)	<0.005%
	Chloride (Cl)	<0.01%	Iron (Fe)	<0.005%
	Sulfate (SO_4)	<0.01%	Zinc (Zn)	<0.005%



sFr

sFr

Sodium acetate Trihydrate $\text{CH}_3\text{COONa} \cdot 3\text{H}_2\text{O}$ $\text{C}_2\text{H}_3\text{NaO}_2 \cdot 3\text{H}_2\text{O}$ M_r 136.08 [6131-90-4]

71190 puriss. p.a. 250 g 7. — 1 kg 14. — 5 kg 60. —

Fluka-Guarantee:

Assay (Perchloric acid titration)	>99.5 %	Nitrate (NO_3)	<0.001 %
Insolubles in water	<0.005 %	Heavy metals (as Pb)	<0.0005%
pH (5% solution in water, 20°C)	7.5-9.0	Iron (Fe)	<0.0005%
Chloride (Cl)	<0.0003%	Aluminum (Al)	<0.0005%
Sulfate (SO_4)	<0.002 %	Calcium (Ca)	<0.001 %
Phosphate (PO_4)	<0.0003%	Magnesium (Mg)	<0.0005%
		KMnO_4 -reducing parts (as HCOOH)	<0.005 %



71193 purum p.a. 1 kg 7. — 5 kg 24. —

Fluka-Guarantee:

Assay	>98.0 %	Copper (Cu)	<0.005%
pH (5% solution in water, 20°C)	7.5-9.0	Lead (Pb)	<0.005%
Chloride (Cl)	<0.05 %	Iron (Fe)	<0.005%
Sulfate (SO_4)	<0.005%	Zinc (Zn)	<0.005%
		Calcium (Ca)	<0.005%

**Sodium alginate** see 71240 Alginic acid Sodium salt**Sodium alizarine sulfonate** see 05600 Alizarin Red S71251 **Sodium aluminumhydride** pract. 25 g 46. — 100 g 160. —
4.3/2b NaAlH_4 AlH_4Na M_r 54.00 [13770-96-2]71260 **Sodium amide** pract. in small lumps ~90%(T) + ~10% NaOH 100 g 8. — 500 g 26. —
4.3/3 NaNH_2 H_2NNa M_r 39.01 [7782-92-5]**Sodium amide Suspension**4.3/1c NaNH_2 H_2NNa M_r 39.01 [7782-92-5]

71278	purum 50% in Toluene; d_4^{20} 1.004	1 lt ≈ 1.00 kg	250 ml 16. —
71280	purum 30% in Toluene; d_4^{20} 1.00	1 lt ≈ 1.00 kg	250 ml 11. —
71282	purum 50% in Xylene; d_4^{20} 0.88	1 lt ≈ 0.88 kg	250 ml 16. —

Sodium ammonium hydrogen phosphate (Ammonium sodium hydrogen phosphate; sec-Sodium ammonium phosphate) $\text{NaNH}_4\text{HPO}_4 \cdot 4\text{H}_2\text{O}$ $\text{H}_5\text{NNaO}_4\text{P} \cdot 4\text{H}_2\text{O}$ M_r 209.07 [51750-73-3]

71283 puriss. p.a. 250 g 7. — 1 kg 18. —

Fluka-Guarantee:

Assay	>99.0 %	Cobalt (Co)	<0.0005%
Chloride (Cl)	<0.001 %	Nickel (Ni)	<0.0005%
Sulfate (SO_4)	<0.005 %	Cadmium (Cd)	<0.0005%
Copper (Cu)	<0.0005%	Zinc (Zn)	<0.0005%
Lead (Pb)	<0.0005%	Potassium (K)	<0.01 %
Iron (Fe)	<0.0005%	Arsenic (As)	<0.0001%



71285 purum p.a. 500 g 9. — 1 kg 16. —

Fluka-Guarantee:

Assay	>98.0 %	Lead (Pb)	<0.005%
Chloride (Cl)	<0.005%	Iron (Fe)	<0.005%
Sulfate (SO_4)	<0.05 %	Zinc (Zn)	<0.005%
Copper (Cu)	<0.005%	Calcium (Ca)	<0.005%

**sec-Sodium ammonium phosphate** see 71283 Sodium ammonium hydrogen phosphate71287 **Sodium (meta)arsenite** purum p.a. >99%(RT) (Sodium dioxarsenate) 250 g 14. — 1 kg 50. —
6.1/52a NaAsO_2 AsNaO_2 M_r 129.91 [7784-46-5]71290 **Sodium azide** purum >99%(T); 1 g clearly and colourless soluble in 10 ml water 100 g 11. — 500 g 44. —
6.1/32a NaN_3 N_3Na M_r 65.01 [26628-22-8]**Sodium barbital** see 32001 5,5-Diethylbarbituric acid Sodium salt11715 **Sodium barbiturate** purum ~97%(NT) (Barbituric acid Sodium salt) 100 g 28. —
 $\text{C}_4\text{H}_3\text{N}_2\text{NaO}_3$ M_r 150.07 [4390-16-3]**Sodium benzenesulfinate** see 12610 Benzenesulfinic acid Sodium salt**Sodium benzenesulfonate** see 12680 Benzenesulfonic acid Sodium salt

					sFr.	sFr.
71300	Sodium benzoate purum >97%(NT); H ₂ O 2-3% (Benzoic acid Sodium salt) C ₆ H ₅ COONa C ₇ H ₅ NaO ₂ M _r 144.11 [532-32-1]				250 g 7.—	1 kg 12.—
	Sodium bicarbonate see 71628 Sodium hydrogen carbonate					
	Sodium bichromate see 71490 Sodium dichromate					
	Sodium bis(2-methoxyethoxy)aluminum dihydride see 71495 Sodium dihydro-bis-(2-methoxyethoxy)aluminate					
71305	Sodium bis(trimethylsilyl)amide (Hexamethyldisilazane Sodium salt) 8/31a NaN[Si(CH ₃) ₃] ₂ C ₆ H ₁₈ NNaSi ₂ M _r 183.37 [1070-89-9] pract. M.P. 160-165° dec.; Highly versatile strong base: L. Fieser, M. Fieser, "Reagent for Organic Synthesis 6, 529				5 g 26.—	25 g 110.—
	Sodium bitartrate see 71680 Sodium hydrogentartrate					
71308	Sodium(meta)borate purum p.a. for use in photography NaBO ₂ ·4H ₂ O BNaO ₂ ·4H ₂ O M _r 137.86 [10555-76-7] Fluka-Guarantee: Assay >98.0 % Lead (Pb) <0.005% Chloride (Cl) <0.005% Iron (Fe) <0.005% Sulfate (SO ₄) <0.005% Zinc (Zn) <0.005% Copper (Cu) <0.005% Cadmium (Cd) <0.005%				500 g 8.—	1 kg 14.—
71320	Sodium borohydride purum p.a. 4.3/2b NaBH ₄ BH ₄ Na M _r 37.83 16940-66-2] Fluka-Guarantee: Assay >97.0 % Iron (Fe) <0.005% Copper (Cu) <0.005% Zinc (Zn) <0.005% Lead (Pb) <0.005% Calcium (Ca) <0.01 %				25 g 11.—	100 g 38.—
71309	Sodium borohydride-d₄ puriss. >99 Atom% D 4.3/2b NaBD ₄ BD ₄ Na M _r 41.86 [15681-89-7]				1 g 65.—	
71325	Sodium bromate 5.1/10 NaBrO ₃ BrNaO ₃ M _r 150.90 [7789-38-0] puriss. p.a. Fluka-Guarantee: Assay >99.5 % Sulfate (SO ₄) <0.005 % Insolubles in water <0.005% Heavy metals (as Pb) <0.0005% pH (10% solution in water, 20°C) 5.0-9.0 Iron (Fe) <0.001 %				250 g 14.—	1 kg 50.—
71326	Sodium bromide purum p.a. Fluka-Guarantee: Assay >98.0 % Iron (Fe) <0.005% Sulfate (SO ₄) <0.01 % Zinc (Zn) <0.005% Copper (Cu) <0.005% Calcium (Ca) <0.005% Lead (Pb) <0.005%				250 g 10.—	1 kg 35.—
71330	Sodium bromide NaBr BrNa M _r 102.90 [7647-15-6] purum p.a. Ph. Helv.; for the reduction of intermediates during enzymatic catalysis (e.g. thioesters, Schiff's bases and phosphate intermediates): H. Kagamiyama, Y. Morino, J. Biol. Chem. 245, 2819 (1970); E. E. Snell, J. A. Todkunter and D. L. Purick, J. Biol. Chem. 250, 3505 (1975) Fluka-Guarantee: Assay (dried substance) >99.0 % Lead (Pb) <0.005% Chloride (Cl) <0.1 % Iron (Fe) <0.005% Sulfate (SO ₄) <0.005% Zinc (Zn) <0.005% Copper (Cu) <0.005% Calcium (Ca) <0.005%				500 g 9.—	1 kg 15.— 5 kg 63.—
71335	Sodium butylate pract. ~20% Butanol 3/3; 47° CH ₃ (CH ₂) ₃ ONa C ₄ H ₉ NaO M _r 96.11 [2372-45-4]				1 lt ≈ 0.86 kg	250 ml 10.— 1 lt 32.—
	Sodium cacodylate see 20840 Cacodylic acid Sodium salt					
71340	Sodium caprylate pract. >95%(NT) (Caprylic acid Sodium salt) CH ₃ (CH ₂) ₆ COONa C ₉ H ₁₉ NaO ₂ M _r 166.20 [1984-06-1]				250 g 20.—	1 kg 75.—



sFr.

sFr.

Sodium carbonate anhydrous

Na_2CO_3 CNa_2O_3 M_r 166.20 [497-19-8]

71350

puriss. p.a.

250 g 7.—

1 kg 14.—

Fluka-Guarantee:

Assay (dried substance)	>99.0 %	Heavy metals (as Pb)	<0.002 %
Insolubles in water	<0.007 %	Iron (Fe)	<0.0005 %
Residue on ignition (600°C)	<0.5 %	Aluminum (Al)	<0.001 %
Chloride (Cl)	<0.002 %	Calcium (Ca)	<0.01 %
Total Sulfur (as SO_4)	<0.005 %	Magnesium (Mg)	<0.0005 %
Total Nitrogen (N)	<0.005 %	Potassium (K)	<0.03 %
Phosphate and Silicate (as SiO_2)	<0.005 %		



71351

purum p.a.

1 kg 9.—

5 kg 34.—

Fluka-Guarantee:

Assay	>98.0 %	Iron (Fe)	<0.005 %
Sulfate (SO_4)	<0.01 %	Zinc (Zn)	<0.005 %
Copper (Cu)	<0.005 %	Calcium (Ca)	<0.005 %
Lead (Pb)	<0.005 %		



71352

pract. ~97%(T); water ~3%

1 kg 7.—

5 kg 15.—

25 kg 63.—

71360

Sodium carbonate cryst. puriss. p.a.

$\text{Na}_2\text{CO}_3 \cdot 10\text{H}_2\text{O}$ $\text{CNa}_2\text{O}_3 \cdot 10\text{H}_2\text{O}$ M_r 286.14 [6132-02-1]

1 kg 9.—

5 kg 34.—

Fluka-Guarantee:

Assay	>99.0 %	Heavy metals (as Pb)	<0.001 %
Insolubles in water	<0.0025 %	Iron (Fe)	<0.0002 %
Chloride (Cl)	<0.0005 %	Aluminum (Al)	<0.0005 %
Total Sulfur (as SO_4)	<0.003 %	Calcium (Ca)	<0.002 %
Phosphate and Silicate (as SiO_2)	<0.002 %	Magnesium (Mg)	<0.0002 %
Total Nitrogen (N)	<0.0005 %	Potassium (K)	<0.01 %



Sodium carboxymethylcellulose see 21900 Carboxymethylcellulose Sodium salt

Sodium cellulose phosphate (SCP)

71365

purum pH (5% Suspension): 6.0-9.0; moistened with <10% water;
Nitrogen (N) <1%

25 g 22.—

100 g 80.—

71370

Sodium chlorate puriss. fine cryst. >99%(T)

5.1/4a NaClO_3 ClNaO_3 M_r 106.44 [7775-09-9]

250 g 8.—

1 kg 22.—

Sodium chloride

NaCl ClNa M_r 58.44 [7647-14-5]

71380

puriss. p.a.

500 g 7.—

1 kg 8.—

5 kg 32.—

Fluka-Guarantee:

Assay	>99.5 %	Iron (Fe)	<0.0003 %
Insolubles in water	<0.005 %	Barium (Ba)	<0.001 %
Free Acid (as HCl)	<0.0023 %	Calcium (Ca)	<0.004 %
Sulfate (SO_4)	<0.002 %	Magnesium (Mg)	<0.0005 %
Phosphate (PO_4)	<0.0002 %	Potassium (K)	<0.001 %
Bromide (Br)	<0.001 %	Arsenic (As)	<0.00003 %
Total Nitrogen (N)	<0.0001 %	Iodine (I)	<0.00005 %
Heavy metals (as Pb)	<0.0008 %		



71381

purum p.a. Ph. Eur.

1 kg 7.—

5 kg 20.—

Fluka-Guarantee:

Assay	>99.5 %	Lead (Pb)	<0.005 %
pH (5% solution in water, 20°C)	5.0-8.0	Iron (Fe)	<0.005 %
Sulfate (SO_4)	<0.005 %	Zinc (Zn)	<0.005 %
Copper (Cu)	<0.005 %	Calcium (Ca)	<0.005 %



71390

Sodium chlorite techn. ~85%(RT); 1 g clearly soluble in 10 ml water
5.1/4c NaClO_2 ClNaO_2 M_r 90.44 [7758-19-2]

250 g 9.—

1 kg 28.—

5 kg 120.—

Sodium chloroacetate see 24610 Chloroacetic acid Sodium salt

Sodium cholate see 27028 Cholic acid Sodium salt

						sFr.	sFr.
71400	Sodium chromate purum >99%(T) 5.1/10 Na_2CrO_4 CrNa_2O_4 M_r 161.97 [7775-11-3]					500 g 12.—	1 kg 22.—
	tri-Sodium citrate (Citric acid Trisodium salt) $\text{HOC}(\text{COONa})(\text{CH}_2\text{COONa})_2 \cdot 2\text{H}_2\text{O}$ $\text{C}_6\text{H}_5\text{Na}_3\text{O}_7 \cdot 2\text{H}_2\text{O}$ M_r 294.10 [6132-04-3]						
71405	puriss. p.a. Fluka-Guarantee: Assay >99.0 % Iron (Fe) <0.0005% pH (5% solution in water, 20°C) 7.5-9.0 Lead (Pb) <0.0005% Chloride (Cl) <0.001 % Zinc (Zn) <0.0005% Sulfate (SO_4) <0.005 % Calcium (Ca) <0.005 % Copper (Cu) <0.0005% Potassium (K) <0.001 % Ammonium (NH_4) <0.001 %					250 g 8.—	1 kg 22.—
71406	purum p.a. DAB Fluka-Guarantee: Assay >98.0 % Copper (Cu) <0.005% pH (5% solution in water, 20°C) 7.5-9.0 Lead (Pb) <0.005% Chloride (Cl) <0.005% Iron (Fe) <0.005% Sulfate (SO_4) <0.005% Zinc (Zn) <0.005% Calcium (Ca) <0.005%					500 g 8.—	1 kg 13.—
71408	tri-Sodium citrate purum p.a. Erg. B.6 $\text{HOC}(\text{COONa})(\text{CH}_2\text{COONa})_2 \cdot 5.5\text{H}_2\text{O}$ $\text{C}_6\text{H}_5\text{Na}_3\text{O}_7 \cdot 5.5\text{H}_2\text{O}$ M_r 357.15 [6858-44-2] Fluka-Guarantee: Assay >98.0 % Copper (Cu) <0.005% pH (5% solution in water, 20°C) 7.5-9.0 Lead (Pb) <0.005% Chloride (Cl) <0.005% Iron (Fe) <0.005% Sulfate (SO_4) <0.005% Zinc (Zn) <0.005%					500 g 8.—	1 kg 12.—
	Sodium cobaltinitrite see 71610 Sodium hexanitrocobaltate(III)						
71410	di-Sodium cyanamide pract. ~97%(NT) (Cyanamide Disodium salt; Disodium cyanamide) 6.1/31a NCNNa_2 CN_2Na_2 M_r 86.00 [20611-81-8]					250 g 9.—	1 kg 30.—
71415	mono-Sodium cyanamide pract. >97%(NT) NCNHNa CHN_2Na M_r 64.02 [17292-62-5]					100 g 22.—	
71420	Sodium cyanate purum p.a. 6.1/31a NaOCN CNNaO M_r 65.01 [917-61-3] Fluka-Guarantee: Assay >98.0 % Iron (Fe) <0.005% Sulfate (SO_4) <0.005% Zinc (Zn) <0.005% Copper (Cu) <0.005% Calcium (Ca) <0.01 % Lead (Pb) <0.005%					250 g 8.—	1 kg 22.—
71430	Sodium cyanide purum p.a. 6.1/31a NaCN CNaNa M_r 49.01 [143-33-9] Fluka-Guarantee: Assay >97.0 % Lead (Pb) <0.005% Chloride (Cl) <0.01 % Iron (Fe) <0.005% Sulfate (SO_4) <0.01 % Zinc (Zn) <0.005% Copper (Cu) <0.005% Calcium (Ca) <0.005%					500 g 8.—	1 kg 12.—
	Sodium cyanoborohydride 6.1/31a NaBH_3CN CH_3BNaNa M_r 62.84 [25895-60-7]						
71435	pract. ~90%(NT); very hygroscopic; Review: C. F. Lane, Synthesis 135 (1975)					10 g 22.—	50 g 90.— 250 g 230.—
71432	Sodium cyanoborohydride-d_3 purum 6.1/31a NaBD_3CN CBD_3NaNa M_r 65.81					1 g 120.—	
93010	Sodium cyanotriphenylborate puriss. p.a. ~85-90%(NT) + ~10-15% water 6.1/21 $(\text{C}_6\text{H}_5)_3\text{B}(\text{CN})\text{Na}$ $\text{C}_{18}\text{H}_{15}\text{BNaNa}$ M_r 291.14 [14568-16-2]					1 g 10.—	5 g 37.—
71440	Sodium cyclohexanesulfamate purum >97%(T) (N-Cyclohexylsulfamic acid Sodium salt) $\text{CH}_2(\text{CH}_2)_4\text{CHNH}\text{SO}_3\text{Na}$ $\text{C}_6\text{H}_{12}\text{NNaO}_3\text{S}$ M_r 201.22 [139-05-8]					250 g 14.—	1 kg 50.—

sFr.

sFr.

Sodium dehydrocholate see 30850 Dehydrocholic acid Sodium salt**Sodium deoxycholate** see 30970 Deoxycholic acid Sodium salt**Sodium dibenzylthiocarbamate** (Dibenzylthiocarbamic acid Sodium salt) $(C_6H_5CH_2)_2NCSSNa$ $C_{18}H_{17}NNaS$ M_r 295.40 [55310-46-8]

71485 purum p.a.; Use of Dibenzylthiocarbamate as Coprecipitant in the Routine Determination of 12 Heavy Metals in Pharmaceuticals by X-ray Fluorescence Spectroscopy, H. R. Linder, H. D. Seltner and B. Schreiber, Anal. Chem. 50, 896 (1978)

25 g 12.— 100 g 40.—

71490 **Sodium dichromate** purum p.a. fine cryst. (Sodium bichromate)5.1/10 $Na_2Cr_2O_7 \cdot 2H_2O$ $Cr_2Na_2O_7 \cdot 2H_2O$ M_r 298.00 [7789-12-0]

1 kg 12.— 5 kg 37.—

Fluka-Guarantee:

Assay	>98.0 %	Iron (Fe)	<0.005%
Chloride (Cl)	<0.01 %	Zinc (Zn)	<0.005%
Copper (Cu)	<0.005%	Calcium (Ca)	<0.005%
Lead (Pb)	<0.005%		

71493 **Sodium dicyanoamide** pract. $NaN(CN)_2$ C_2N_3Na M_r 89.03 [1934-75-4]

50 g 18.— 250 g 75.—

Sodium diethyldithiocarbamate (Cupral; Diethyldithiocarbamic acid Sodium salt) $(C_2H_5)_2NCSSNa \cdot 3H_2O$ $C_6H_{10}NNaS_2 \cdot 3H_2O$ M_r 225.31 [148-18-5]

71480 puriss. p.a. >99%(NT); for the determination and separation of Heavy metals

25 g 7.— 100 g 12.— 500 g 50.—

Sodium diethyl oxalacetate see 71810 Diethyl oxalacetate Sodium salt**Sodium dihydro-bis(2-methoxyethoxy)aluminate** [Sodium bis(2-methoxyethoxy)-3/1a; 4° aluminum dihydride] $NaAlH_2(OCH_2CH_2OCH_3)_2$ $C_6H_{16}AlNaO_4$ M_r 202.16 [22722-98-1]

71495 pract. ~70% in Toluene (~3.5 mol/lit)

1 lt ≈ 1.00 kg 100 ml 18.— 500 ml 75.—

71498 **Sodium dihydrogen citrate anhydrous** purum p.a. BP (Citric acid Monosodium salt) $C_6H_7NaO_7$ M_r 214.11 [18996-35-7]

250 g 9.— 1 kg 28.—

Fluka-Guarantee:

Assay	>98.0 %	Copper (Cu)	<0.005%
pH (5% solution in water, 20°C)	3.5-3.8	Lead (Pb)	<0.005%
Chloride (Cl)	<0.005%	Iron (Fe)	<0.005%
Sulfate (SO ₄)	<0.005%	Zinc (Zn)	<0.005%
		Calcium (Ca)	<0.005%

71500 **Sodium dihydrogen phosphate** purum p.a. cryst. (mono-Sodium phosphate) $NaH_2PO_4 \cdot 2H_2O$ $H_2NaPO_4 \cdot 2H_2O$ M_r 156.01 [13472-35-0]

1 kg 10.— 5 kg 37.—

Fluka-Guarantee:

Assay	>98.0 %	Copper (Cu)	<0.005%
pH (5% solution in water, 20°C)	4.0-4.5	Lead (Pb)	<0.005%
Chloride (Cl)	<0.005%	Iron (Fe)	<0.005%
Sulfate (SO ₄)	<0.005%	Zinc (Zn)	<0.005%
		Calcium (Ca)	<0.005%

71499 **di-Sodium dihydrogen pyrophosphate** purum p.a.
 $Na_2H_2P_2O_7$ $H_2Na_2O_7P_2$ M_r 221.94 [7758-16-9]

1 kg 10.—

Fluka-Guarantee:

Assay	>98.0 %	Lead (Pb)	<0.005%
Chloride (Cl)	<0.005%	Iron (Fe)	<0.005%
Sulfate (SO ₄)	<0.01 %	Zinc (Zn)	<0.005%
Copper (Cu)	<0.005%		

**Sodium dihydroxytartrate** see 37990 Dihydroxytartaric acid Disodium salt**Sodium dimethyldithiocarbamate** (Dimethyldithiocarbamic acid Sodium salt; Gifblaar poison) $(CH_3)_2NCSSNa \cdot 2H_2O$ $C_3H_6NNaS_2 \cdot 2H_2O$ M_r 179.24 [128-04-1]

71510 puriss. p.a. >99%(NT); M.P. 122-124°

25 g 10.— 100 g 35.—

71512 purum >97%(NT)

100 g 18.— 500 g 75.—

Sodium dioxarsenate see 71287 Sodium (meta)arsenite

sFr.

sFr.

Sodium dithionite see 71700 Sodium hyposulfite**Sodium dodecylbenzenesulfonate** see 44200 Dodecylbenzenesulfonic acid Sodium salt**Sodium dodecyl sulfate** see 71729 Sodium lauryl sulfate

71210	Sodium ethylate pract. >95%(NT) 8/31a C ₂ H ₅ ONa C ₂ H ₅ NaO M _r 68.05 [141-52-6]	250 g 12.—	1 kg 40.—
-------	---	------------	-----------

Sodium ethylmercurithiosalicylate [2-(Ethylmercuriomercapto)benzoic acid Sodium salt; "Thimerosal"]
C₂H₅HgSC₆H₄COONa C₉H₉HgNaO₂S M_r 404.82 [54-64-8]

71230	purum >98%(Hg); M.P. 234-237° dec.; 1 g clearly soluble in 10 ml Methanol	10 g 12.—	50 g 50.—
-------	---	-----------	-----------

71517	Sodium ferrocyanide purum p.a. [Sodium hexacyanoferrate(II)] Na ₄ Fe(CN) ₆ ·10H ₂ O C ₆ FeN ₆ Na ₄ ·10H ₂ O M _r 484.06 [13601-19-9]	1 kg 13.—
-------	---	-----------

Fluka-Guarantee:

Assay	>98.0%	Copper (Cu)	<0.005%
Chloride (Cl)	<0.1 %	Lead (Pb)	<0.005%
Sulfate (SO ₄)	<0.05%	Zinc (Zn)	<0.005%



71522	Sodium fluoride purum p.a. NaF FNa M _r 41.99 [7681-49-4]	500 g 9.—	1 kg 16.—
-------	---	-----------	-----------

Fluka-Guarantee:

Assay	>98.0 %	Iron (Fe)	<0.015%
Sulfate (SO ₄)	<0.02 %	Zinc (Zn)	<0.005%
Copper (Cu)	<0.005%	Calcium (Ca)	<0.015%
Lead (Pb)	<0.005%		

**Sodium fluoroacetate** (Fluoroacetic acid Sodium salt)6.1/81g FCH₂COONa C₂H₂FNaO₂ M_r 100.02 [62-74-8]

71520	pract. >98%(NT); M.P. 200-205° dec.	10 g 15.—	50 g 63.—
-------	-------------------------------------	-----------	-----------

71523	Sodium fluoroborate purum (Sodium tetrafluoroborate) NaBF ₄ BF ₄ Na M _r 109.79 [13755-29-8]	250 g 9.—	1 kg 30.—
-------	--	-----------	-----------

71530	Sodium formaldehyde sulfoxylate purum >99%(RT) (Rongalit® ; "Hydrosulfite") 6.1/81g HOCH ₂ SO ₂ Na·2H ₂ O CH ₃ NaO ₃ S·2H ₂ O M _r 154.12 [149-44-0] ® Trade-mark of BASF	1 kg 14.—	5 kg 60.—
-------	--	-----------	-----------

71540	Sodium formate purum p.a. HCOONa CHNaO ₂ M _r 68.01 [141-53-7]	1 kg 10.—	5 kg 24.—
-------	---	-----------	-----------

Fluka-Guarantee:

Assay	>99.0 %	Copper (Cu)	<0.005%
pH (5% solution in water, 20°C)	7.0-8.5	Lead (Pb)	<0.005%
Chloride (Cl)	<0.005%	Iron (Fe)	<0.005%
Sulfate (SO ₄)	<0.005%	Zinc (Zn)	<0.005%
		Calcium (Ca)	<0.005%

**di-Sodium fumarate** see 47970 Fumaric acid Disodium salt anhydrous**Sodium-D-gluconate** (D-Gluconic acid Sodium salt)HOCH₂(CHOH)₄COONa C₆H₁₁NaO₇ M_r 218.14 [527-07-1]

71550	purum >99%(NT); M.P. 200-205° dec.; [α] _D ²⁰ +14±0.5°; [α] _D ²⁰ +12±0.5° (c = 20 in water); 1 g clearly soluble in 10 ml water	250 g 7.—	1 kg 16.—
-------	---	-----------	-----------

Sodium-D-glucuronate see 71560 D-Glucuronic acid Sodium salt**Sodium-L-glutamate** see 49621 L-Glutamic acid Monosodium salt**di-Sodium α-glycerophosphate** see 50010 Glycerol 1-phosphate Disodium salt**di-Sodium β-glycerophosphate** see 50020 Glycerol 2-phosphate Disodium salt**Sodium glycocholate** (N-Cholyl-glycin Sodium salt)C₂₆H₄₂NNaO₈·2H₂O M_r 523.65 [863-57-0]

50545	purum ~97%(NT); M.P. ~230° dec.; [α] _D ²⁰ +30±2°; [α] _D ²⁰ +25±2° (c = 2 in water)	250 mg 20.—	1 g 70.—
-------	--	-------------	----------

Sodium gold chloride see 72010 Sodium tetrachloroaurate(III)**Sodium-"heptadecyl"-sulfate** see 86451 Tergitol 7

				sFr.	sFr.
71580	Sodium hexachloroplatinate(IV) puriss. 34.8% Pt (Sodium platonic chloride) $\text{Na}_2\text{PtCl}_6 \cdot 6\text{H}_2\text{O}$ $\text{Cl}_6\text{Na}_2\text{Pt} \cdot 6\text{H}_2\text{O}$ M_r 561.88 [19583-77-8]			1 g 35. —	5 g 145. —
71590	Sodium hexachlororhodate(III) purum 17-19% Rh (Sodium rhodium chloride) $\text{Na}_3\text{RhCl}_6 \cdot 12\text{H}_2\text{O}$ $\text{Cl}_6\text{Na}_3\text{Rh} \cdot 12\text{H}_2\text{O}$ M_r 600.78 [15002-92-3]			1 g 30. —	5 g 125. —
	Sodium hexacyanoferrate(II) see 71517 Sodium ferrocyanide				
71595	Sodium hexafluorosilicate purum 6.1/81f Na_2SiF_6 $\text{F}_6\text{Na}_2\text{Si}$ M_r 188.06 [16893-85-9]			1 kg 8. —	
71600	Sodium hexametaphosphate pract. 65-70% P_2O_5 $(\text{NaPO}_3)_{12-13} \cdot \text{Na}_2\text{O}$ [10124-56-8]			1 kg 12. —	5 kg 42. —
	Sodium hexanitrocobaltate(III) (Sodium cobaltinitrite) $\text{Na}_3\text{Co}(\text{NO}_2)_6$ $\text{CoN}_6\text{Na}_3\text{O}_{12}$ M_r 403.94 [13600-98-1]				
71610	purum p.a.; 1 g clearly soluble in 10 ml water			25 g 8. —	100 g 22. —
71614	Sodium hydride purum powder ~80% NaH; ~20% in white oil 4.3/2b NaH HNa M_r 24.00 [7646-69-7]			250 g 40. —	
71620	Sodium hydride Dispersion pract. 55-60% in oil 4.3/2b NaH HNa M_r 24.00 [7646-69-7]			100 g 8. —	500 g 29. —
71625	di-Sodium hydrogen arsenate purum p.a. 6.1/52 $\text{Na}_2\text{HAsO}_4 \cdot 7\text{H}_2\text{O}$ $\text{AsHNa}_2\text{O}_4 \cdot 7\text{H}_2\text{O}$ M_r 312.02 [10048-95-0] Fluka-Guarantee: Assay >98.0 % Copper (Cu) <0.005% pH (5% solution in water, 20°C) 8.5-10.0 Lead (Pb) <0.01 % Chloride (Cl) <0.005% Iron (Fe) <0.025% Sulfate (SO_4) <0.005% Zinc (Zn) <0.005% Calcium (Ca) <0.005%			500 g 17. —	
	Sodium hydrogen carbonate (Sodium bicarbonate) NaHCO_3 CHNaO_3 M_r 84.01 [144-55-8]				
71628	puriss. p.a. Fluka-Guarantee: Assay >99.5 % Phosphate (PO_4) <0.001 % Insolubles in water <0.015% Ammonium (NH_4) <0.0002% Chloride (Cl) <0.002% Heavy metals (as Pb) <0.0005% Sulfate (SO_4) <0.003% Iron (Fe) <0.001 % Potassium (K) <0.005% Calcium (Ca) <0.005 % Magnesium (Mg) <0.005% Iodine red. parts (as SO_2) <0.005 %			500 g 7. —	1 kg 10. — 5 kg 42. —
71630	purum p.a. Ph. Eur. Fluka-Guarantee: Assay >98.0 % Lead (Pb) <0.005% Chloride (Cl) <0.01 % Iron (Fe) <0.005% Sulfate (SO_4) <0.01 % Zinc (Zn) <0.005% Copper (Cu) <0.005% Calcium (Ca) <0.01 %			1 kg 7. —	5 kg 17. —
71635	di-Sodium hydrogen citrate purum p.a. (Citric acid Disodium salt) $\text{C}_6\text{H}_6\text{Na}_2\text{O}_7$ M_r 236.09 [144-33-2] Fluka-Guarantee: Assay >98.0 % Copper (Cu) <0.005% pH (5% solution in water, 20°C) 4.8-5.2 Lead (Pb) <0.005% Chloride (Cl) <0.005% Iron (Fe) <0.005% Sulfate (SO_4) <0.005% Zinc (Zn) <0.005%			250 g 9. —	1 kg 28. —
	di-Sodium hydrogen phosphate anhydrous (Disodium phosphate; sec-Sodium phosphate) Na_2HPO_4 $\text{HNa}_2\text{O}_4\text{P}$ M_r 141.96 [7558-79-4]				
71640	puriss. p.a. Fluka-Guarantee: Assay >99.0 % Potassium (K) <0.04 % pH of a 0.1 m solution 9.1-9.5 Heavy metals (as Pb) <0.001 % Insolubles in water <0.015% Iron (Fe) <0.001 % Chloride (Cl) <0.002% Arsenic (As) <0.0003% Sulfate (SO_4) <0.02 %			250 g 7. —	1 kg 20. —



sFr.

sFr.

di-Sodium hydrogen phosphate anhydrous (continue)

71642	purum p.a.				1 kg 10.—
	Fluka-Guarantee:				
	Assay (dried)	>98.0 %	Copper (Cu)	<0.005%	
	Water (H ₂ O)	<2.0 %	Lead (Pb)	<0.005%	
	pH (5% solution in water, 20°C)	8.4-9.0	Iron (Fe)	<0.005%	
	Sulfate (SO ₄)	<0.005%	Zinc (Zn)	<0.005%	
			Calcium (Ca)	<0.01 %	



71645	di-Sodium hydrogen phosphate Dihydrate purum p.a.				1 kg 9.—	5 kg 34.—
	Na ₂ HPO ₄ ·2H ₂ O HNa ₂ O ₄ P·2H ₂ O M _r 177.99 [10028-24-7]					
	Fluka-Guarantee:					
	Assay	>98.0 %	Copper (Cu)	<0.005%		
	pH (5% solution in water, 20°C)	8.9-9.4	Lead (Pb)	<0.005%		
	Chloride (Cl)	<0.05 %	Iron (Fe)	<0.005%		
	Sulfate (SO ₄)	<0.05 %	Zinc (Zn)	<0.005%		
			Calcium (Ca)	<0.005%		

**di-Sodium hydrogen phosphate Dodecahydrate**

Na ₂ HPO ₄ ·12H ₂ O HNa ₂ O ₄ P·12H ₂ O M _r 358.14 [10039-32-4]					
71650	puriss. p.a. cryst.			250 g 7.—	1 kg 12.— 5 kg 50.—
	Fluka-Guarantee:				
	Assay	>99.0 %	Potassium (K)	<0.005 %	
	Insolubles in water	<0.005 %	Total nitrogen (N)	<0.0002 %	
	pH (5% solution in water, 20°C)	9.0-9.3	Heavy metals (as Pb)	<0.0005 %	
	Chloride (Cl)	<0.0005%	Iron (Fe)	<0.0005 %	
	Sulfate (SO ₄)	<0.005 %	Arsenic (As)	<0.00005%	
71652	purum p.a. cryst. DAB				1 kg 8.—
	Fluka-Guarantee:				
	Assay	>99.0 %	Copper (Cu)	<0.005%	
	pH (5% solution in water, 20°C)	9.0-9.5	Lead (Pb)	<0.005%	
	Chloride (Cl)	<0.005%	Iron (Fe)	<0.005%	
	Sulfate (SO ₄)	<0.01 %	Zinc (Zn)	<0.005%	
			Calcium (Ca)	<0.005%	



71658	Sodium hydrogen selenite purum p.a.				25 g 14.—	100 g 50.—
	6.1/81h NaHSeO ₃ HNaO ₃ Se M _r 150.96 [7782-82-3]					
	Fluka-Guarantee:					
	Assay	>98.0 %	Lead (Pb)	<0.005%		
	pH (5% solution in water, 20°C)	4.0-7.0	Iron (Fe)	<0.005%		
	Sulfate (SO ₄)	<0.005%	Zinc (Zn)	<0.005%		
	Copper (Cu)	<0.005%	Calcium (Ca)	<0.005%		



71656	Sodium hydrogen sulfate anhydrous purum p.a.				1 kg 10.—
	8/13 NaHSO ₄ HNaO ₄ S M _r 120.06 [7681-38-1]				
	Fluka-Guarantee:				
	Assay	>95.0 %	Lead (Pb)	<0.005%	
	Sodium sulfate	<5.0 %	Iron (Fe)	<0.01 %	
	Chloride (Cl)	<0.01 %	Zinc (Zn)	<0.005%	
	Copper (Cu)	<0.005%	Calcium (Ca)	<0.01 %	



71660	Sodium hydrogen sulfide Monohydrate techn. 70-72% NaSH				1 kg 10.—	5 kg 40.—
	8/31a NaHS·H ₂ O HNaS·H ₂ O M _r 74.08 [16721-80-5]					

Sodium hydrogen tartrate [Sodium bitartrate; L (+)-Tartaric acid Monosodium salt]

	HOOCCH(OH)COONa·H ₂ O C ₄ H ₅ NaO ₆ ·H ₂ O M _r 190.09 [526-94-3]					
71680	purum >98% (T); [α] _D ²⁰ +26±1°; [α] _D ²⁰ +23±1° (c = 1 in water)				250 g 8.—	1 kg 22.—

Sodium hydroxide

8/31a	NaOH HNaO M _r 40.00 [1310-73-2]						
71690	puriss. p.a. in Pellets			500 g 7.—	1 kg 11.—	5 kg 42.—	
	Fluka-Guarantee:						
	Assay	>98.0 %	Silicondioxide (SiO ₂)	<0.0003 %			
	Sodium carbonate		Aluminum (Al)	<0.001 %			
	(Na ₂ CO ₃)	<0.5 %	Iron (Fe)	<0.001 %			
	Sulfate (SO ₄)	<0.001%	Silver (Ag)	<0.00002%			
	Calcium (Ca)	<0.001%	Nitrogen (N)	<0.001 %			
	Chloride (Cl)	<0.001%	Phosphate (PO ₄)	<0.001 %			





				sFr.	sFr.
71691	puriss. p.a. in pearls			1 kg 11.—	5 kg 44.—
71692	purum Ph. Eur.; in Pellets			1 kg 10.—	5 kg 37.—
	Fluka-Guarantee:				
	Assay	>97.0 %	Aluminum (Al)	<0.003 %	
	Sodium carbonate		Iron (Fe)	<0.001 %	
	(Na ₂ CO ₃)	<0.8 %	Heavy metals (as Ag)	<0.00005 %	
	Sulfate (SO ₄)	<0.001 %	Calcium (Ca)	<0.001 %	
	Chloride (Cl)	<0.002 %	Nitrogen (N)	<0.001 %	
	Silicondioxide (SiO ₂)	<0.0005 %	Phosphate (PO ₄)	<0.001 %	
71693	pract. in Flakes; purified >95%(T)			1 kg 7.—	10 kg 32.—
Sodium-2-, -3- and -4-hydroxybutyrate see 54960, 54965 and 54970					
2-, 3- and 4-Hydroxybutyric acid Sodium salt					
Sodium hydroxide-d					
	NaOD (in D ₂ O) DNaO M _r 41.00 [14014-06-3]				
71472	puriss. >99.9 Atom% D; ~40% in D ₂ O		1 lt ≈ 1.56 kg	5 ml 50.—	
71473	puriss. >99.5 Atom% D; ~40% in D ₂ O		1 lt ≈ 1.56 kg	5 ml 12.—	25 ml 50.—
1 N Sodium hydroxide solution					
72072	contains <0.02% Sodium carbonate adjusted against Sodium hydrogenephthalate; Factor 1.000±0.2%		1 lt ≈ 1.00 kg	1 lt 12.—	
0.1 N Sodium hydroxide solution					
72074	contains <0.02% Sodium carbonate adjusted against Sodium hydrogenephthalate; Factor 1.000±0.2%		1 lt ≈ 1.00 kg	1 lt 12.—	
Sodium p-hydroxymercuribenzoate ["p-Chloromercuribenzoate"; 4-(Hydroxymercurio)benzoic acid Sodium salt]					
	HOHgC ₆ H ₄ COONa C ₇ H ₅ HgNaO ₃ M _r 360.70 [138-85-2]				
55540	purum (appeared mistaken as p-Chloromercuribenzoate [PCMB] in earlier literature); For the determination of sulfhydryl groups in proteins according to Boyer: P. D. Boyer, J. Am. Chem. Soc. 76, 4331 (1954), and by atomic absorption: M. Suzuki, Th. L. Coombs and B. L. Vallee, Anal. Biochem. 32, 106 (1969); stopped-flow measurements: G. Castronuovo-Lepore et al., Europ. J. Biochem. 65, 171 (1976)			5 g 20.—	25 g 85.—
71798	Sodium hypochlorite solution 13/14% [7681-52-9]		1 lt ≈ 1.24 kg	1 lt 7.—	10 lt 30.—
Sodium hypophosphite					
	NaPH ₂ O ₂ ·H ₂ O H ₂ NaO ₂ P·H ₂ O M _r 105.99 [10039-56-2]				
71794	puriss. p.a.			500 g 24.—	
	Fluka-Guarantee:				
	Assay	99-103%	Ammonium (NH ₄)	<0.001 %	
	pH (5% solution in water, 20°C)	6.0-8.0	Iron (Fe)	<0.0005 %	
	Chloride (Cl)	<0.005 %	Heavy metals (as Pb)	<0.0005 %	
	Phosphate and Phosphite (as PO ₄)	<0.5 %	Barium (Ba)	<0.005 %	
	Sulfate (SO ₄)	<0.01 %	Magnesium (Mg)	<0.005 %	
			Calcium (Ca)	<0.05 %	
			Arsenic (As)	<0.0001 %	
71795	purum p.a.			250 g 10.—	1 kg 32.—
	Fluka-Guarantee:				
	Assay	>97.0 %	Lead (Pb)	<0.005 %	
	pH (5% solution in water, 20°C)	6.7-7.5	Iron (Fe)	<0.005 %	
	Copper (Cu)	<0.005 %	Zinc (Zn)	<0.005 %	
71700	Sodium hyposulfite purum (Sodium dithionite; "Sodium hydrosulfite")			500 g 9.—	1 kg 15.—
8/31a	Na ₂ S ₂ O ₄ Na ₂ O ₄ S ₂ M _r 174.11 [7775-14-6]				
71705	Sodium iodate purum p.a.			250 g 26.—	1 kg 95.—
	NaIO ₃ INaO ₃ M _r 197.90 [7681-55-2]				
	Fluka-Guarantee:				
	Assay	>98.0 %	Lead (Pb)	<0.005 %	
	pH (5% solution in water, 20°C)	5.0-8.0	Iron (Fe)	<0.005 %	
	Copper (Cu)	<0.005 %	Zinc (Zn)	<0.005 %	



				sFr.	sFr.
71710	Sodium iodide puriss. Ph. Eur. NaI INa M _r 149.89 [7681-82-5] Fluka-Guarantee: Assay >99.5 % Loss on drying <0.5 % pH (5% solution in water, 20°C) 6.0-9.0 Chloride and Bromide (Cl and Br) <0.005 % Sulfate (SO ₄) <0.001 % Copper (Cu) <0.0001 % Lead (Pb) <0.0001 % Iron (Fe) <0.0005 % Zinc (Zn) <0.0005 % Calcium (Ca) <0.001 % Potassium (K) <0.01 % Magnesium (Mg) <0.001 % Nickel (Ni) <0.002 %			100 g 10. —	500 g 37. —
	Sodium iodoacetate see 57859 Iodoacetic acid Sodium salt				
	Sodium α-ketoisocaproate see 68265 4-Methyl-2-oxo-valeric acid Sodium salt				
	Sodium α-keto-β-methyl valerate see 68260 DL-3-Methyl-2-oxo-valeric acid Sodium salt				
	Sodium L-lactate see 71718 L-Lactic acid Sodium salt				
	Sodium DL-lactate see 71720 DL-Lactic acid Sodium salt				
	Sodium laurylsulfate (SDS; Sodium lauryl sulfate) CH ₃ (CH ₂) ₁₁ OSO ₃ Na C ₁₂ H ₂₅ NaO ₄ S M _r 288.38				
71729	puriss. >99% (GC, after saponification)			100 g 7. —	500 g 21. —
71730	pract. ~85%; Sodium sulfate ~15%	250 g 8. —		1 kg 25. —	5 kg 105. —
	Sodium lead alloy (Lead sodium alloy) [12740-44-2]				
71307	6.1/72 Desiccant for aprotic solvents			250 g 20. —	1 kg 70. —
	di-Sodium maleate see 63260 Maleic acid Disodium salt				
	Sodium 2-mercaptoethanesulfonate (Coenzym M) HSCH ₂ CH ₂ SO ₃ Na C ₂ H ₅ NaO ₃ S ₂ M _r 164.18 [3375-50-6] (free acid)				
63705	pract. ~90-95% (RT); contains ~4% water			10 g 16. —	50 g 67. —
	Sodium mesoxalate see 71740 Mesoxalic acid Disodium salt				
	Sodium metabisulfite see 71930 Sodium pyrosulfite				
71744	Sodium metasilicate anhydrous purum p.a. M.P. 1090°; Na ₂ O 51%; SiO ₂ 48%; H ₂ O 1% Na ₂ SiO ₃ Na ₂ O ₃ Si M _r 122.06 [6834-92-0]			1 kg 10. —	
71746	Sodium metasilicate Pentahydrate purum M.P. 77-80°; Na ₂ O 29%; SiO ₂ 28%; H ₂ O 43% Na ₂ SiO ₃ ·5H ₂ O Na ₂ O ₃ Si·5H ₂ O M _r 212.14 [10213-79-3]			1 kg 9. —	
	Sodium methylate 3/5; 11° CH ₃ ONa M _r 54.02 [124-41-4]				
71748	pract. 30% in Methanol (~4.7 mol/l)	1 lt ≈ 0.97 kg		1 lt 9. —	2.5 lt 18. —
71750	8/31a pract. ~97% (T); may contain Na ₂ CO ₃			250 g 8. —	1 kg 22. —
	Sodium 2-methyl-2-butylate see 71830 Sodium tert-pentylate				
	Sodium DL-3-methyl-2-oxovalerate see 68260 DL-3-Methyl-2-oxo-valeric acid Sodium salt				
	Sodium 4-methyl-2-oxovalerate see 68262 4-Methyl-2-oxo-valeric acid Sodium salt				
71756	Sodium molybdate purum p.a. Na ₂ MoO ₄ ·2H ₂ O MoNa ₂ O ₄ ·2H ₂ O M _r 241.95 [7631-95-0] Fluka-Guarantee: Assay >98.0 % Chloride (Cl) <0.005 % Sulfate (SO ₄) <0.005 % Copper (Cu) <0.005 % Lead (Pb) <0.005 % Iron (Fe) <0.005 % Zinc (Zn) <0.005 % Calcium (Ca) <0.005 %			100 g 15. —	500 g 63. —
	Sodium 1,2-naphthoquinone-4-sulfonate see 70382 1,2-Naphthoquinone-4-sulfonic acid Sodium salt				
	mono-Sodium 1-and 2-naphthyl phosphate see 71090 and 71100 1- and 2-Naphthyl phosphate Monosodium salt				
72423	Sodium nicotinate purum >99% (NT); M.P. >300° (Nicotinic acid Sodium salt) CH ₃ NCH ₂ CHCH ₂ COONa C ₆ H ₄ NNaO ₂ M _r 145.10 [54-86-4]			100 g 10. —	500 g 42. —



					sFr.	sFr.
Sodium nitrate						
71758	5.1/7a	NaNO ₃ NNaO ₃ M _r 85.01 [7631-99-4]	puriss. p.a.		250 g 7.—	1 kg 14.—
		Fluka-Guarantee:				
		Assay	>99.0 %	Magnesium (Mg)	<0.001 %	
		pH (5% solution in water, 20°C)	5.5-8.0	Ammonium (NH ₄)	<0.002 %	
		Heavy metals (as Pb)	<0.0005%	Chloride (Cl)	<0.0005%	
		Iron (Fe)	<0.0002%	Sulfate (SO ₄)	<0.003 %	
		Calcium (Ca)	<0.002 %	Nitrite (NO ₂)	<0.001 %	
		Potassium (K)	<0.005 %	Phosphate (PO ₄)	<0.0002%	
71757		purum p.a.			1 kg 9.—	
		Fluka-Guarantee:				
		Assay	>98.0 %	Lead (Pb)	<0.005%	
		Chloride (Cl)	<0.005%	Iron (Fe)	<0.005%	
		Sulfate (SO ₄)	<0.005%	Zinc (Zn)	<0.005%	
		Copper (Cu)	<0.005%	Calcium (Ca)	<0.005%	
71755		pract.			1 kg 7.—	
Sodium nitrite						
71759	5.1/8	NaNO ₂ NNaO ₂ M _r 69.00 [7632-00-0]	puriss. p.a.		250 g 7.—	1 kg 18.—
		Fluka-Guarantee:				
		Assay (iodometric)	>99.0 %	Heavy metals (as Pb)	<0.001%	
		Insolubles in water	<0.005%	Iron (Fe)	<0.001%	
		Chloride (Cl)	<0.005%	Calcium (Ca)	<0.002%	
		Sulfate (SO ₄)	<0.005%	Potassium (K)	<0.001%	
71760		purum p.a.			1 kg 9.—	5 kg 32.—
		Fluka-Guarantee:				
		Assay	>96.0 %	Lead (Pb)	<0.005%	
		Chloride (Cl)	<0.005%	Iron (Fe)	<0.005%	
		Sulfate (SO ₄)	<0.005%	Zinc (Zn)	<0.005%	
		Copper (Cu)	<0.005%	Calcium (Ca)	<0.005%	
71770		di-Sodium 4-nitrophenyl phosphate Hexahydrate (4-Nitrophenyl phosphate Disodium salt Hexahydrate) NO ₂ C ₆ H ₄ OPO ₃ Na ₂ ·6H ₂ O C ₆ H ₄ NNa ₂ O ₅ P·6H ₂ O M _r 371.12 [4264-83-9]	puriss. p.a. >99%(NT); for Phosphatase-Determination in Milk; store in refrigerator		1 g 7.—	5 g 9.— 25 g 33.—
71780		Sodium nitroprusside purum (Nitroprusside sodium) Na ₂ [Fe(CN) ₅ NO]·2H ₂ O C ₅ FeN ₅ Na ₂ O·2H ₂ O M _r 297.95 [13755-38-9]			100 g 11.—	500 g 46.—
71790		Sodium nucleinate (Ribonucleic acid Sodium salt) purum 13.8±0.5%(N); 1 g clearly soluble in 10 ml water; store in refrigerator			25 g 13.—	100 g 45.—
		Sodium oxalate see 71800 Oxalic acid Sodium salt				
71820		Sodium oxide pract. powder >97%(T) 8/31a Na ₂ O M _r 61.98 [1313-59-3]			250 g 7.—	1 kg 16.—
71830		Sodium tert-pentylate pract. (Sodium 2-methyl-2-butylate) 8/31a (CH ₃) ₂ C(C ₂ H ₅)NaO C ₆ H ₁₁ NaO M _r 110.13 [14593-46-5]			100 g 20.—	500 g 85.—
71840		Sodium perborate purum p.a. >10% active oxygen NaBO ₃ ·4H ₂ O BNaO ₃ ·4H ₂ O M _r 153.86 [10486-00-7]			1 kg 8.—	
		Fluka-Guarantee:				
		Assay	>98.0 %	Lead (Pb)	<0.005%	
		Chloride (Cl)	<0.005%	Iron (Fe)	<0.005%	
		Sulfate (SO ₄)	<0.005%	Zinc (Zn)	<0.005%	
		Copper (Cu)	<0.005%			
71852		Sodium perchlorate purum cryst. ~90%(T); ~10% H ₂ O 5.1/4b NaClO ₄ ·aq ClNaO ₄ ·aq M _r 122.44 + aq [7601-89-0]			1 kg 16.—	5 kg 67.—



						sFr.	sFr.
Sodium (meta)periodate							
	NaIO_4 INaO_4 M_r 213.89 [7790-28-5]						
71860	puriss. p.a.; for histochemical Polysaccharide determination; Klin. Wschr. 30, 1057 (1952)						25 g 8. — 100 g 22. —
	Fluka-Guarantee:						
	Assay (iodometric)	>99.5%	Chloride (Cl)	<0.01 %			
	Iodate (IO_3)	<0.05%	Iron (Fe)	<0.0005%			
71862	purum p.a.						100 g 25. — 500 g 105. —
	Fluka-Guarantee:						
	Assay	>98.0 %	Lead (Pb)	<0.005%			
	Chloride (Cl)	<0.005%	Iron (Fe)	<0.005%			
	Sulfate (SO_4)	<0.005%	Zinc (Zn)	<0.005%			
	Copper (Cu)	<0.005%	Calcium (Ca)	<0.005%			
71872	Sodium (para)periodate purum p.a.						100 g 20. — 500 g 85. —
	$\text{Na}_3\text{H}_2\text{IO}_6$ $\text{H}_2\text{INa}_3\text{O}_6$ M_r 293.88 [13940-38-0]						
	Fluka-Guarantee:						
	Assay	>98.0 %	Lead (Pb)	<0.005%			
	Sulfate (SO_4)	<0.005%	Iron (Fe)	<0.005%			
	Copper (Cu)	<0.005%	Zinc (Zn)	<0.005%			
Sodium peroxide (Sodium superoxide)							
	5.1/9a Na_2O_2 M_r 77.98 [1313-60-6]						
71879	puriss. p.a.						250 g 7. — 1 kg 15. —
	Fluka-Guarantee:						
	Assay (iodometric)	>97.0 %	Phosphate (PO_4)	<0.0005%			
	Insolubles in water	<0.01 %	Total Nitrogen (N)	<0.003 %			
	Chloride (Cl)	<0.002%	Heavy metals (as Pb)	<0.002 %			
	Sulfate (SO_4)	<0.001%	Iron (Fe)	<0.003 %			
71880	purum p.a. gravels						250 g 7. — 1 kg 13. —
	Fluka-Guarantee:						
	Assay	>95.0 %	Lead (Pb)	<0.005%			
	Chloride (Cl)	<0.05 %	Iron (Fe)	<0.005%			
	Copper (Cu)	<0.005%	Zinc (Zn)	<0.005%			
71890	Sodium persulfate purum p.a.						500 g 9. — 1 kg 15. —
	5.1/9b $\text{Na}_2\text{S}_2\text{O}_8$ $\text{Na}_2\text{O}_6\text{S}_2$ M_r 238.10 [7775-27-1]						
	Fluka-Guarantee:						
	Assay	>98.0 %	Iron (Fe)	<0.01 %			
	Chloride (Cl)	<0.005%	Zinc (Zn)	<0.005%			
	Copper (Cu)	<0.005%	Calcium (Ca)	<0.005%			
	Lead (Pb)	<0.005%					
di-Sodium phenyl phosphate (Phenyl phosphate Disodium salt)							
	$\text{C}_6\text{H}_5\text{OPO}_3\text{Na}_2 \cdot 2\text{H}_2\text{O}$ $\text{C}_6\text{H}_5\text{Na}_2\text{O}_4\text{P} \cdot 2\text{H}_2\text{O}$ M_r 254.09 [3279-54-7]						
71900	puriss. p.a. for Phosphatase-determination; 1 g clearly soluble in 10 ml water						25 g 14. — 100 g 40. —
Sodium phenylpyruvate see 78200 Phenylpyruvic acid Sodium salt anhydrous							
sec-Sodium phosphate see di-Sodium hydrogen phosphate							
mono-Sodium phosphate see Sodium dihydrogen phosphate							
Sodium phosphate monobasic see Sodium dihydrogen phosphate							
Sodium phosphate dibasic see di-Sodium hydrogen phosphate							
Sodium phosphate tribasic see tri-Sodium phosphate							
tri-Sodium phosphate (tert) (Trisodium phosphate)							
	8/41 $\text{Na}_3\text{PO}_4 \cdot 12\text{H}_2\text{O}$ $\text{Na}_3\text{O}_4\text{P} \cdot 12\text{H}_2\text{O}$ M_r 380.12 [10101-89-0]						
71909	purum p.a.						250 g 7. — 1 kg 12. —
	Fluka-Guarantee:						
	Assay	>98.0 %	Lead (Pb)	<0.005%			
	Chloride (Cl)	<0.005%	Iron (Fe)	<0.005%			
	Sulfate (SO_4)	<0.01 %	Zinc (Zn)	<0.005%			
	Copper (Cu)	<0.005%	Calcium (Ca)	<0.005%			
71910	pract. fine cryst.; contains 2-5% NaOH						1 kg 8. — 5 kg 29. —

				sFr.	sFr.
79693	di-Sodium phosphotungstate purum p.a.			25 g 18.—	100 g 65.—
8/21	$\text{HNa}_2\text{PO}_4 \cdot 12\text{WO}_3$ $\text{HNa}_2\text{O}_4\text{P} \cdot 12\text{O}_3\text{W}$ M_r 2924.14 [51312-42-6]				

Sodium platinic chloride see 71580 Sodium hexachloroplatinate(IV)

71920	tetra-Sodium pyrophosphate anhydrous purum p.a.			1 kg 9.—	5 kg 34.—
	$\text{Na}_4\text{P}_2\text{O}_7$ $\text{Na}_4\text{O}_7\text{P}_2$ M_r 265.90 [7722-88-5]				
	Fluka-Guarantee:				
	Assay	>98.0 %	Copper (Cu)	<0.005%	
	pH (5% solution in water, 20°C)	9.8-10.2	Lead (Pb)	<0.005%	
	Chloride (Cl)	<0.005%	Iron (Fe)	<0.005%	
	Sulfate (SO_4)	<0.005%	Zinc (Zn)	<0.005%	



	tetra-Sodium pyrophosphate Decahydrate (Sodium pyrophosphate)				
	$\text{Na}_4\text{P}_2\text{O}_7 \cdot 10\text{H}_2\text{O}$ $\text{Na}_4\text{O}_7\text{P}_2 \cdot 10\text{H}_2\text{O}$ M_r 446.06 [13472-36-1]				
71514	purum p.a.			1 kg 9.—	5 kg 28.—
	Fluka-Guarantee:				
	Assay	>98.0 %	Lead (Pb)	<0.005%	
	Chloride (Cl)	<0.005%	Iron (Fe)	<0.005%	
	Sulfate (SO_4)	<0.01 %	Zinc (Zn)	<0.005%	
	Copper (Cu)	<0.005%	Calcium (Ca)	<0.005%	



71930	Sodium pyrosulfite purum p.a. (Sodium metabisulfite)			1 kg 7.—	5 kg 24.—
	$\text{Na}_2\text{S}_2\text{O}_5$ $\text{Na}_2\text{O}_5\text{S}_2$ M_r 190.10 [7681-57-4]				
	Fluka-Guarantee:				
	Assay	>98.0 %	Iron (Fe)	<0.005%	
	Chloride (Cl)	<0.005%	Zinc (Zn)	<0.005%	
	Copper (Cu)	<0.005%	Calcium (Ca)	<0.005%	
	Lead (Pb)	<0.005%			



Sodium pyruvate see 15990 Pyruvic acid Sodium salt

Sodium rhodium chloride see 71590 Sodium hexachlororhodate(III)

Sodium rhodizonate see 71940 Rhodizonic acid Sodium salt

71945	Sodium salicylate purum p.a. DAB >99%(NT) (Salicylic acid Sodium salt)			250 g 8.—	1 kg 25.—
	$\text{HOC}_6\text{H}_4\text{COONa}$ $\text{C}_7\text{H}_5\text{NaO}_3$ M_r 160.11 [54-21-7]				

71950	Sodium selenite anhydrous purum p.a.			100 g 20.—	500 g 85.—
6.1/52	Na_2SeO_3 $\text{Na}_2\text{O}_3\text{Se}$ M_r 172.94 [10102-18-8]				
	Fluka-Guarantee:				
	Assay	>98.0 %	Lead (Pb)	<0.01 %	
	Chloride (Cl)	<0.005%	Iron (Fe)	<0.03 %	
	Sulfate (SO_4)	<0.005%	Zinc (Zn)	<0.005%	
	Copper (Cu)	<0.005%			

di-Sodium succinate see 14160 Succinic acid Disodium salt

	Sodium sulfate anhydrous				
	Na_2SO_4 $\text{Na}_2\text{O}_4\text{S}$ M_r 142.04 [7757-82-6]				
71960	puriss. p.a.			250 g 7.—	1 kg 12.—
	Fluka-Guarantee:				
	Assay	>99.0 %	Phosphate (PO_4)	<0.002%	
	Residue on ignition	<0.5 %	Total nitrogen (N)	<0.002%	
	Insolubles in water	<0.01 %	Heavy metals (as Pb)	<0.001%	
	pH (5% solution in water, 20°C)	5.0-8.0	Iron (Fe)	<0.001%	
	Chloride (Cl)	<0.0005%	Calcium (Ca)	<0.002%	
			Potassium (K)	<0.002%	
71962	purum p.a.			1 kg 8.—	5 kg 26.—
	Fluka-Guarantee:				
	Assay	>98.0%	Copper (Cu)	<0.005%	
	Residue on ignition	<0.3 %	Lead (Pb)	<0.005%	
	pH (5% solution in water, 20°C)	5.0-7.5	Iron (Fe)	<0.005%	
	Chloride (Cl)	<0.01%	Zinc (Zn)	<0.005%	
			Calcium (Ca)	<0.005%	



					sFr.	sFr.
71970	Sodium sulfate Decahydrate puriss. p.a. cryst. $\text{Na}_2\text{SO}_4 \cdot 10\text{H}_2\text{O}$ $\text{Na}_2\text{O}_4\text{S} \cdot 10\text{H}_2\text{O}$ M_r 322.20 [7727-73-3]				1 kg 9.—	
	Fluka-Guarantee:					
	Assay	>99.0 %	Phosphate (PO_4)	<0.001 %		
	Insolubles in water	<0.005 %	Heavy metals (as Pb)	<0.0005%		
	pH (5% solution in water, 20°C)	5.0-8.0	Iron (Fe)	<0.0005%		
	Chloride (Cl)	<0.0003%	Calcium (Ca)	<0.002 %		
	Total nitrogen (N)	<0.0005%	Potassium (K)	<0.002 %		
71975	Sodium sulfide puriss. p.a. 8/36 $\text{Na}_2\text{S} \cdot \text{aq}$ M_r 78.04 + aq [1313-82-2]				250 g 9.—	1 kg 22.—
71980	Sodium sulfide Hydrate in flakes techn. >60%(RT); 1 g clearly soluble in 10 ml water 8/36 $\text{Na}_2\text{S} \cdot \text{aq}$ M_r 78.04 + aq [1313-84-4]				1 kg 8.—	5 kg 26.—
	Sodium sulfite anhydrous Na_2SO_3 $\text{Na}_2\text{O}_3\text{S}$ M_r 126.04 [7757-83-7]					
71989	puriss. p.a.				250 g 7.—	1 kg 14.—
	Fluka-Guarantee:					
	Assay	>99.0 %	Iron (Fe)	<0.001 %		
	Chloride (Cl)	<0.01 %	Calcium (Ca)	<0.006 %		
	Thiosulfate (S_2O_3)	<0.02 %	Arsenic (As)	<0.0001%		
	Heavy metals (as Pb)	<0.001%				
71991	purum p.a.				1 kg 7.—	
	Fluka-Guarantee:					
	Assay	>97.0 %	Iron (Fe)	<0.005%		
	Chloride (Cl)	<0.01 %	Zinc (Zn)	<0.005%		
	Copper (Cu)	<0.005%	Calcium (Ca)	<0.01 %		
	Lead (Pb)	<0.005%				
71990	purum; Photoquality; >98%(NT); anhydrous; Loss on drying <0.1%; 1 g clearly soluble in 10 ml water				1 kg 7.—	10 kg 32.—
	Sodium superoxide see 71879 Sodium peroxide					
71995	di-Sodium tartrate purum p.a. [L(+)-Tartaric acid Disodium salt] $\text{NaOOC}(\text{CHOH})_2\text{COONa} \cdot 2\text{H}_2\text{O}$ $\text{C}_4\text{H}_4\text{Na}_2\text{O}_6 \cdot 2\text{H}_2\text{O}$ M_r 230.08 [6106-24-7]				250 g 8.—	1 kg 25.—
	Fluka-Guarantee:					
	Assay	>98.0 %	Copper (Cu)	<0.005%		
	pH (5% solution in water, 20°C)	7.0-9.0	Lead (Pb)	<0.005%		
	Chloride (Cl)	<0.005%	Iron (Fe)	<0.005%		
	Sulfate (SO_4)	<0.005%	Zinc (Zn)	<0.005%		
			Calcium (Ca)	<0.02 %		
	Sodium taurocholate see 86339 Taurocholic acid Sodium salt					
71998	Sodium tetraborate anhydrous purum p.a. granulated $\text{Na}_2\text{B}_4\text{O}_7$ $\text{B}_4\text{Na}_2\text{O}_7$ M_r 201.22 [1330-43-4]				1 kg 8.—	5 kg 26.—
	Fluka-Guarantee:					
	Assay	>98.0 %	Lead (Pb)	<0.005%		
	Chloride (Cl)	<0.05 %	Iron (Fe)	<0.01 %		
	Sulfate (SO_4)	<0.05 %	Zinc (Zn)	<0.005%		
	Copper (Cu)	<0.005%	Calcium (Ca)	<0.01 %		
	Sodium tetraborate Decahydrate (Borax) $\text{Na}_2\text{B}_4\text{O}_7 \cdot 10\text{H}_2\text{O}$ $\text{B}_4\text{Na}_2\text{O}_7 \cdot 10\text{H}_2\text{O}$ M_r 381.37 [1303-86-2]					
72000	puriss. p.a. cryst.				250 g 7.—	1 kg 15.—
	Fluka-Guarantee:					
	Assay	>99.5 %	Sulfate (SO_4)	<0.005 %		
	pH (4% solution in water, 20°C)	9.0-10.0	Phosphate (PO_4)	<0.002 %		
	Insolubles in water	<0.005 %	Heavy metals (as Pb)	<0.001 %		
	Chloride (Cl)	<0.0007%	Iron (Fe)	<0.0005%		
			Calcium (Ca)	<0.005 %		



				sFr.	sFr.
72002	purum p.a. Ph. Helv.			1 kg 9. —	5 kg 32. —
	Fluka-Guarantee:				
	Assay	>99.0 %	Copper (Cu)	<0.005%	
	pH (5% solution in water, 20°C)	9.0-10.0	Lead (Pb)	<0.005%	
	Chloride (Cl)	<0.005%	Iron (Fe)	<0.005%	
	Sulfate (SO ₄)	<0.005%	Zinc (Fe)	<0.005%	
	di-Sodiumtetracarbonylferrate Dioxane Complex (Colman reagent)				
	Na ₂ Fe(CO) ₄ ·1.5C ₄ H ₈ O ₂ C ₄ FeNa ₂ O ₄ ·1.5C ₄ H ₈ O ₂ M _r 346.03 [59733-73-2]				
72005	purum Fe 15.6±0.5%; Review: J. P. Collman, Acc. Chem. Res. 8, 342 (1975)			10 g 105. —	
72010	Sodium tetrachloroaurate(III) purum 49.5% Au (Sodium gold chloride)			1 g 70. —	
	NaAuCl ₄ ·2H ₂ O AuCl ₄ Na·2H ₂ O M _r 397.80 [13874-02-7]				
	Sodium tetrafluoroborate see 71523 Sodium fluoroborate				
	Sodium tetraphenylborate (Tetraphenylboron sodium)				
	NaB(C ₆ H ₅) ₄ C ₂₄ H ₂₀ BNa M _r 342.23 [143-66-8]				
72020	puriss. p.a.; for the Determination and separation of K; Anal. Chem. 29, 1044 (1957)			10 g 22. —	50 g 90. — 250 g 320. —
	Fluka-Guarantee:				
	Assay	>99.5 %	Lead (Pb)	<0.001%	
	Loss on drying	<0.5 %	Iron (Fe)	<0.001%	
	Chloride (Cl)	<0.005%	Zinc (Zn)	<0.001%	
	Sulfate (SO ₄)	<0.005%	Calcium (Ca)	<0.001%	
	Copper (Cu)	<0.001%			
72030	Sodium tetrathionate Dihydrate purum <0.1% Na ₂ S ₂ O ₃ ; store in refrigerator			25 g 18. —	100 g 65. —
	Na ₂ S ₄ O ₆ ·2H ₂ O Na ₂ O ₆ S ₄ ·2H ₂ O M _r 306.28 [13721-29-4]				
71938	Sodium thiocyanate purum p.a.			250 g 7. —	1 kg 20. —
	NaSCN CNNaS M _r 81.07 [540-72-7]				
	Fluka-Guarantee:				
	Assay	>98.0 %	Lead (Pb)	<0.005%	
	Chloride (Cl)	<0.01 %	Iron (Fe)	<0.005%	
	Sulfate (SO ₄)	<0.01 %	Zinc (Zn)	<0.005%	
	Copper (Cu)	<0.005%	Calcium (Ca)	<0.005%	
	Sodium thioglycolate see 72040 Mercaptoacetic acid Sodium salt				
72049	Sodium thiosulfate anhydrous purum p.a.			1 kg 8. —	5 kg 26. —
	Na ₂ S ₂ O ₃ Na ₂ O ₃ S ₂ M _r 158.11 [7772-98-7]				
	Fluka-Guarantee:				
	Assay	>98.0 %	Lead (Pb)	<0.005%	
	pH (5% solution in water, 20°C)	6.0-8.5	Iron (Fe)	<0.005%	
	Copper (Cu)	<0.005%	Zinc (Zn)	<0.005%	
	Sodium thiosulfate Pentahydrate				
	Na ₂ S ₂ O ₃ ·5H ₂ O Na ₂ O ₃ S ₂ ·5H ₂ O M _r 248.18 [10102-17-7]				
72050	puriss. p.a. cryst.			1 kg 11. —	
	Fluka-Guarantee:				
	Assay	>99.5 %	Sulfide (S)	<0.0003%	
	Insolubles in water	<0.005%	Chloride (Cl)	<0.01 %	
	pH (5% solution in water, 20°C)	6.0-7.5	Heavy metals (as Pb)	<0.0005%	
	Sulfate and Sulfite (as SO ₄)	<0.02 %	Calcium (Ca)	<0.005 %	
			Iron (Fe)	<0.001 %	
72051	purum p.a. cryst.			1 kg 7. —	
	Fluka-Guarantee:				
	Assay	>98.0%	Copper (Cu)	<0.005%	
	pH (5% solution in water, 20°C)	6.0-8.5	Lead (Pb)	<0.005%	
	Chloride (Cl)	<0.02%	Iron (Fe)	<0.005%	
	Sulfate and Sulfite (as SO ₄)	<0.1 %	Zinc (Zn)	<0.005%	
			Calcium (Ca)	<0.005%	
72052	purum cryst. Photoquality; >98%(RT)			1 kg 7. —	



S

sFr.

sFr.

0.1 N Sodium thiosulfate Solution

72053	Contains <0.1% Sodium carbonate + 0.01% Chloroform; adjusted against Potassium iodate; Factor 1.000±0.2%	1 lt ≈ 1.00 kg	1 lt 12. —
-------	---	----------------	------------

Sodium toluene-4-sulfinate see 89720 Toluene-4-sulfonic acid Sodium salt anhydrous**Sodium 2,4,6-trichlorobenzenesulfonate** see 91192 2,4,6-Trichlorobenzenesulfonic acid
Sodium salt

72054	Sodium triethyl borohydride purum 1 m solution in Tetrahydrofuran (C ₂ H ₅) ₃ NaBH C ₆ H ₁₈ BNa M _r 122.00	1 lt ≈ 0.90 kg	100 ml 85. —
-------	---	----------------	--------------

72055	Sodium trisilicate purum powder; Na ₂ O 18%; SiO ₂ 60% Na ₂ O·3SiO ₂ Na ₂ O ₇ Si ₃ M _r 242.23 [13870-30-9]		1 kg 7. —
-------	--	--	-----------

72070	Sodium tungstate puriss. p.a. Na ₂ WO ₄ ·2H ₂ O Na ₂ O ₄ W·2H ₂ O M _r 329.87 [10213-10-2]		100 g 15. —	500 g 63. —
Fluka-Guarantee:				
Assay	>99.0 %	Heavy metals (as Pb)	<0.0005 %	
pH (5% solution in water, 20°C)	10.0-12.0	Molybdenum (Mo)	<0.002 %	
Insolubles in water	<0.01 %	Arsenic (As)	<0.0005 %	
		Carbon dioxide (CO ₂)	<0.10 %	



72060	Sodium (meta)vanadate purum p.a. NaVO ₃ ·H ₂ O NaO ₃ V·H ₂ O M _r 139.94 [13718-26-8]		100 g 10. —	500 g 37. —
Fluka-Guarantee:				
Assay	>98.0 %	Copper (Cu)	<0.005 %	
pH (5% solution in water, 20°C)	8.0-10.0	Lead (Pb)	<0.005 %	
Chloride (Cl)	<0.01 %	Iron (Fe)	<0.01 %	
Sulfate (SO ₄)	<0.005 %	Zinc (Zn)	<0.005 %	
		Calcium (Ca)	<0.005 %	

**Solketal** see 40705 2,2-Dimethyl-4-hydroxymethyl-1,3-dioxolane**β-Sophorose-octaacetate** (2-O-β-D-Glucopyranosyl-α-D-glucoseoctaacetate;
Octa-O-acetyl-β-sophorose)
C₂₈H₃₈O₁₉ M_r 678.60 [20880-63-1]

85495	purum ~97% (C,H-Analysis); M.P. 193-195° dec.; H ₂ O <3%	50 mg 46. —
-------	---	-------------

Sorbic acid (2,4-Hexadienoic acid)
CH₃CH:CHCH:CHCOOH C₆H₆O₂ M_r 112.13 [110-44-1]

85510	purum >98% (T); M.P. 133-135°; 1 g clearly soluble in 10 ml Ethanol	250 g 10. —	1 kg 35. —
-------	---	-------------	------------

85520	Sorbic acid Potassium salt purum >99% (NT) (Potassium sorbate) CH ₃ CH:CHCH:CHCOOK C ₆ H ₇ KO ₂ M _r 150.22 [590-00-1]	250 g 12. —	1 kg 40. —
-------	--	-------------	------------

Sorbitane monolaurate see 85544 Span 20®**Sorbitane monooleate** see 85548 Span 80®**Sorbitane monopalmitate** see 85545 Span 40®**Sorbitane monostearate** see 85546 Span 60®**Sorbitane trioleate** see 85549 Span 85®**Sorbitane tristearate** see 85547 Span 65®**D-Sorbitol**HOCH₂(CHOH)₄CH₂OH C₆H₁₄O₆ M_r 182.18 [50-70-4]

85530	puriss. p.a. cryst.	100 g 10. —	500 g 40. —
-------	---------------------	-------------	-------------

85532	purum cryst. M.P. 91-93°; [α] _D ²⁰ -1.6±0.3° (c = 10 in water); Water 1-2%	250 g 7. —	1 kg 20. —	5 kg 85. —
-------	---	------------	------------	------------

L(-)-SorbseOCH₂(CHOH)₃C(OH)CH₂OH C₆H₁₂O₆ M_r 180.16 [87-79-6]

85542	puriss. p.a. M.P. 163-165°; [α] _D ²⁰ -50±1°; [α] _D ²⁰ -43±1° (c = 5 in water); 1 g clearly and colourless soluble in 10 ml water	100 g 8. —	500 g 26. —
-------	---	------------	-------------

Fluka-Guarantee:

Loss on drying	<0.1 %	Cadmium (Cd)	<0.0001 %
Residue on ignition (as SO ₄)	<0.1 %	Zinc (Zn)	<0.0001 %
Chloride (Cl)	<0.005 %	Iron (Fe)	<0.0005 %
Sulfate (SO ₄)	<0.005 %	Cobalt (Co)	<0.0001 %
Copper (Cu)	<0.0001 %	Nickel (Ni)	<0.0001 %
Lead (Pb)	<0.0001 %	Arsenic (As)	<0.00001 %



					sFr.	sFr.
Soyabean Agglutinin see 61763 Lectin from Glycin Max						
SPADNS see 86100 Sulfanilic acid azochromotrop						
85543	SP-1000 (free fatty acid phase) stationary Phase for GC				25 g 165. —	
85544	Span 20® HLB-Value 8.6 (Sorbitane monolaurate) [1338-39-2]	1 lt ≈ 1.00 kg	250 ml 8. —			1 lt 25. —
85545	Span 40® HLB-Value 6.7 (Sorbitane monopalmitate) [26266-57-9]		250 g 8. —			1 kg 25. —
85546	Span 60® HLB-Value 4.7 (Sorbitane monostearate) [1338-41-6]		250 g 8. —			1 kg 25. —
85547	Span 65® HLB-Value 2.1 (Sorbitane tristearate) [6658-19-6]		250 g 8. —			1 kg 25. —
85548	Span 80® HLB-Value 4.3 (Sorbitane monooleate) [1338-43-8]	1 lt ≈ 1.00 kg	250 ml 8. —			1 lt 25. —
85549	Span 85® HLB-Value 1.8 (Sorbitane trioleate) [26266-58-0] ® Registered trade-mark of Atlas Chemical Inc., USA	1 lt ≈ 1.00 kg	250 ml 8. —			1 lt 25. —
Sparteine sulfate						
6.1/81e	C ₁₅ H ₂₆ N ₂ ·H ₂ SO ₄ ·5H ₂ O M _r 422.54 [299-39-8]					
85550	purum cryst. Ph. Helv.; >99%(T); [α] _D ²⁰ −25±0.5°; [α] _D ²⁰ −22±0.5° (c = 5 in water)				10 g 11. —	50 g 44. —
Spermidine [N-(3-Aminopropyl)-1,4-diaminobutane]						
8/35	NH ₂ (CH ₂) ₃ NH(CH ₂) ₄ NH ₂ C ₇ H ₁₉ N ₃ M _r 145.25 [124-20-9]					
85561	purum >98%(NT); M.P. 22-25°; store in refrigerator				5 g 24. —	25 g 110. —
85570	Spermidine phosphate puriss. M.P. 200-210° dec. [NH ₂ (CH ₂) ₃ NH(CH ₂) ₄ NH ₂] ₂ ·3H ₃ PO ₄ ·6H ₂ O (C ₇ H ₁₉ N ₃) ₂ ·3H ₃ PO ₄ ·6H ₂ O M _r 692.58 [49721-50-8]				5 g 24. —	25 g 100. —
85580	Spermidine trihydrochloride puriss. >99%(Cl); M.P. ~250° dec. NH ₂ (CH ₂) ₃ NH(CH ₂) ₄ NH ₂ ·3HCl C ₇ H ₁₉ N ₃ ·3HCl M _r 254.63 [334-50-9]				5 g 24. —	25 g 100. —
Spermine [N,N'-Bis(3-aminopropyl)-1,4-diaminobutane]						
8/35	NH ₂ (CH ₂) ₃ NH(CH ₂) ₄ NH(CH ₂) ₃ NH ₂ C ₁₀ H ₂₆ N ₄ M _r 202.35 [71-44-3]					
85590	purum >97%(NT); B.P. _{0.1} 130°; store in refrigerator				5 g 24. —	25 g 100. —
85600	Spermine phosphate puriss. M.P. 230-232° dec. NH ₂ (CH ₂) ₃ NH(CH ₂) ₄ NH(CH ₂) ₃ NH ₂ ·2H ₃ PO ₄ ·6H ₂ O C ₁₀ H ₂₆ N ₄ ·2H ₃ PO ₄ ·6H ₂ O M _r 506.43 [3891-79-0]				5 g 24. —	25 g 100. —
85610	Spermine tetrahydrochloride puriss. >99%(Cl); M.P. 310-312° NH ₂ (CH ₂) ₃ NH(CH ₂) ₄ NH(CH ₂) ₃ NH ₂ ·4HCl C ₁₀ H ₂₆ N ₄ ·4HCl M _r 348.19 [306-67-2]				5 g 24. —	25 g 100. —
85620	Sphingomyelin ex Bovine brain purum P 3.9-4.1%				100 mg 85. —	
Spongopurine see 08589 6-Amino-1-methylpurine						
Squalane (Cosbiol; 2,6,10,15,19,23-Hexamethyltetracosane; Perhydrosqualene; Robane) [(CH ₃) ₂ CH(CH ₂) ₃ CH(CH ₃)(CH ₂) ₃ CH(CH ₃)CH ₂ CH ₂] ₂ C ₃₀ H ₆₂ M _r 422.83 [111-01-3]						
85629	for GC; B.P. _i 210-215°; d ₄ ²⁰ 0.809; n _D ²⁰ 1.452	1 lt ≈ 0.81 kg	50 ml 15. —			
85630	pract. >95%; d ₄ ²⁰ 0.808; n _D ²⁰ 1.452	1 lt ≈ 0.81 kg	250 ml 22. —			1 lt 80. —
Squaric acid see 37670 3,4-Dihydro-3-cyclobutene-1,2-dione						
Stains see "Dyes, Indicators, Reagents, Stains in Solution" green section						
"Stains-all" {1-Ethyl-2-[3-(1-ethylnaphtho[1,2-d]thiazolin-2-yliden)-2-methylpropenyl]-naphthol 1,2-d]thiazolium bromide; 4,5,4',5'-Dibenzo-3,3'-diethyl-9-methylthiacarbocyanin bromide} C ₃₀ H ₂₇ N ₂ S ₂ Br M _r 559.60 [7423-31-6]						
85663	p.a.; versatile stain for staining RNA (bluish-purple), DNA (blue), proteins (red) and acid polysaccharides; R. E. Kay et al., J. Phys. Chem. 68, 1896 (1964); A. E. Dahlberg et al., J. Mol. Biol. 41, 139 (1969); R. D. Edstrom, Anal. Biochem. 29, 421 (1969)				250 mg 10. —	1 g 32. —



						sFr.		sFr.
Standard Super Cel®								
85665	pract. filter aid; 2-15 micron; high clarifying factor; low flow capacity					1 kg	8. —	5 kg 26. —
Stannic chloride anhydrous [Tin(IV)-chloride]								
8/11a	SnCl ₄	Cl ₄ Sn	M _r 260.50	[7646-78-8]				
96560	purum >99%(Cl); d ₄ ²⁰ 2.215					1 lt ≈ 2.22 kg	100 ml 14. —	500 ml 60. —
96557	Stannic sulfide purum						250 g 55. —	
	SnS	M _r 150.75	[1314-95-0]					
96529	Stannous chloride anhydrous purum p.a. [Tin(II) chloride]						250 g 26. —	1 kg 95. —
	SnCl ₂	Cl ₂ Sn	M _r 189.60	[7772-99-8]				
	Fluka-Guarantee:							
	Assay	>98.0 %	Iron (Fe)	<0.01 %				
	Sulfate (SO ₄)	<0.005%	Zinc (Zn)	<0.005%				
	Copper (Cu)	<0.005%	Calcium (Ca)	<0.005%				
	Lead (Pb)	<0.005%						
96530	Stannous chloride purum p.a. cryst.; M.P. 41-43° [Tin(II) chloride]						250 g 13. —	1 kg 45. —
8/12	SnCl ₂ ·2H ₂ O	Cl ₂ Sn·2H ₂ O	M _r 225.63	[10025-69-1]				
	Fluka-Guarantee:							
	Assay	>98.0 %	Iron (Fe)	<0.005%				
	Sulfate (SO ₄)	<0.01 %	Zinc (Zn)	<0.005%				
	Copper (Cu)	<0.005%	Calcium (Ca)	<0.005%				
	Lead (Pb)	<0.01 %						
96540	Stannous oxalate purum [Tin(II) oxalate]						100 g 25. —	500 g 105. —
	SnC ₂ O ₄	C ₂ O ₄ Sn	M _r 206.71	[814-94-8]				
96555	Stannous sulfate purum p.a.						250 g 22. —	1 kg 80. —
	SnSO ₄	O ₄ SSn	M _r 214.75	[7488-55-3]				
	Fluka-Guarantee:							
	Assay	>98.0 %	Iron (Fe)	<0.005%				
	Copper (Cu)	<0.005%	Zinc (Zn)	<0.005%				
	Lead (Pb)	<0.01 %						
Starch hydrolysed for electrophoresis								
85645	Starch gel electrophoresis shows excellent resolving power for serum proteins: O. Smithies, Biochem. J. 61, 629 (1955); O. Smithies, Biochim. J. 71, 585 (1959). Marked improvement in resolution was achieved with the introduction of discontinuous buffers: M. D. Poulik, Nature 180, 1477 (1957)						100 g 20. —	
Starch soluble								
	(C ₆ H ₁₀ O ₅) _n	M _r (162.14) _n	[9005-84-9]					
85649	puriss. p.a.						250 g 11. —	1 kg 30. —
	Fluka-Guarantee:							
	Solubility 2% Solution in water		Loss on drying		<10.0%			
	is weakly opalescent		Ash (as SO ₄)		< 0.5%			
	pH (2% solution in water, 20°C)		6.0-7.5	Fehling solution reducing parts (as Maltose)	< 0.7%			
85650	purum H ₂ O 8-10%						1 kg 12. —	5 kg 50. —
Starch Solution stable 5% in Formamide								
85660	Standard Fluka; Lit.: Anal. Chem. 27, 866 (1955)					1 lt ≈ 1.15 kg	250 ml 20. —	1 lt 70. —
85702	Stearamide techn. ~95%; M.P. 98-102° (Amide C ₁₈)						250 g 12. —	1 kg 40. —
	CH ₃ (CH ₂) ₁₆ CONH ₂	C ₁₈ H ₃₇ NO	M _r 283.50	[124-26-5]				
Stearic acid (Carboxylic acid C ₁₈ ; Octadecanoic acid)								
	CH ₃ (CH ₂) ₁₆ COOH	C ₁₈ H ₃₆ O ₂	M _r 284.49	[57-11-4]				
85679	puriss. Standard for GC; >99.5%; M.P. 70-71°						5 g 21. —	
85680	puriss. 99%(GC); M.P. 69-71°; Ash <0.05%						25 g 29. —	100 g 105. —
85683	Ph. Helv.; ~90-95%(GC); M.P. 67-69°						250 g 7. —	1 kg 11. —
Stearic acid Aluminum dihydroxide salt see 06270 Aluminum monostearate								
Stearic acid Silver salt see 85275 Silver stearate								
L-α-Stearin [(R)-Glycerol 1-stearate; 3-Stearoyl-sn-glycerol]								
	CH ₃ (CH ₂) ₁₆ COOCH ₂ CH(OH)CH ₂ OH	C ₂₁ H ₄₂ O ₄	M _r 358.57	[14811-92-8]				
85676	puriss. CHR >99%(GC, after transesterification); M.P. 76-79°						250 mg 33. —	1 g 120. —

				sFr.		sFr.
	DL-α-Stearin (rac-Glycerol 1-stearate; rac-1-Stearoylglycerol)					
	$\text{CH}_3(\text{CH}_2)_{16}\text{COOCH}_2\text{CH}(\text{OH})\text{CH}_2\text{OH}$ $\text{C}_{21}\text{H}_{42}\text{O}_4$ M_r 358.57 [22610-63-5]					
85678	puriss. CHR; >99%(GC, after transesterification); M.P. 78-80°			250 mg 33. —	1 g 120. —	
	Stearoyl chloride					
	8/22	$\text{CH}_3(\text{CH}_2)_{16}\text{COCl}$ $\text{C}_{18}\text{H}_{35}\text{ClO}$ M_r 302.93 [112-76-5]				
85730	pract. 90-95%(GC); M.P. 18-22°; d_4^{20} 0.908; store in refrigerator			1 lt $\approx$ 0.91 kg	100 ml 12. —	500 ml 50. —
	rac-1-Stearoylglycerol see 85678 DL-1-Stearin					
	3-Stearoyl-sn-glycerol see 85676 L-Stearin					
85800	DL-γ-Stearoyl-α-lyso-lecithin purum M.P. $\sim$ 265° dec. $\text{C}_{26}\text{H}_{54}\text{NO}_7\text{P}$ M_r 523.69 [17364-19-1]			250 mg 75. —		
	Stearyl alcohol see 74720 1-Octadecanol					
	Stearylamine see 74752 Octadecylamine					
	Stearyl bromide see 17770 1-Bromooctadecane					
	Stearyl chloride see 25650 1-Chlorooctadecane					
	Stearyl isocyanate see 74760 Octadecyl isocyanate					
	Stearyl mercaptan see 74731 1-Octadecanethiol					
85832	Sterigmatocystin (3a,12c-Dihydro-8-hydroxy-6-methoxy-7H-furo[3',2':4,5]-furo[2,3-c]6.1/81g xanthen-7-one) $\text{C}_{18}\text{H}_{12}\text{O}_6$ M_r 324.29 [10048-13-2]			Ampoule of 5 mg 60. —		

Steroids see
"Steroids incl. Bile acids" green section

	Stigmasterol (Stigmasterin) $\text{C}_{29}\text{H}_{48}\text{O}$ M_r 412.70 [83-84-7]				
85860	purum M.P. 167-169°; $[\alpha]_D^{20}$ $-58 \pm 2^\circ$; $[\alpha]_D^{20}$ $-50 \pm 2^\circ$ (c = 2 in Chlf.)			5 g 16. —	25 g 67. —
	trans-Stilbene (trans-1,2-Diphenylethylene) $\text{C}_6\text{H}_5\text{CH:CHC}_6\text{H}_5$ $\text{C}_{14}\text{H}_{12}$ M_r 180.25 [103-30-0]				
85870	purum $\sim$ 97%(UV); M.P. 123-125°; for Scintillation			25 g 7. —	100 g 20. — 500 g 85. —
85872	techn. $\sim$ 80%(UV); M.P. 110-115°			1 kg 25. —	5 kg 105. —
85890	Strontium purum in pieces >99% 4.3/1a Sr A_r 87.62 [7440-24-6]			10 g 14. —	50 g 60. —
	Strontium Ionen Standard Solution FLUKA				
85891	1.000 g Strontium/ Liter/20°C; prepared from $\text{Sr}(\text{NO}_3)_2$; pH 6			1 lt $\approx$ 1.00 kg	500 ml 18. —
85893	Strontium carbonate purum p.a. SrCO_3 CO_3Sr M_r 147.63 [1633-05-2]			250 g 8. —	1 kg 25. —
	Fluka-Guarantee:				
	Assay	>98.0 %	Lead (Pb)	<0.005%	
	Chloride (Cl)	<0.01 %	Iron (Fe)	<0.005%	
	Sulfate (SO_4)	<0.005%	Zinc (Zn)	<0.005%	
	Copper (Cu)	<0.005%			
85894	Strontium chloride techn. $\sim$ 70-75%(Cl) $\text{SrCl}_2 \cdot 6\text{H}_2\text{O}$ $\text{Cl}_2\text{Sr} \cdot 6\text{H}_2\text{O}$ M_r 266.62 [10025-70-4]			500 g 9. —	2.5 kg 35. —
85900	Strontium nitrate purum p.a. 5.1/7 $\text{Sr}(\text{NO}_3)_2$ $\text{N}_2\text{O}_6\text{Sr}$ M_r 211.63 [10042-76-9]			250 g 8. —	1 kg 22. —
	Fluka-Guarantee:				
	Assay	>98.0 %	Copper (Cu)	<0.005%	
	pH (5% solution in water, 20°C)	5.0-7.0	Lead (Pb)	<0.005%	
	Chloride (Cl)	<0.01 %	Iron (Fe)	<0.005%	
	Sulfate (SO_4)	<0.005%	Zinc (Zn)	<0.005%	
			Calcium (Ca)	<0.05 %	



			sFr.	sFr.
85898	Strontium sulfate pract. SrSO_4 O_4SSr M_r 183.68 [7759-02-6]		1 kg 8.—	5 kg 26.—
	K-Strophanthidin-D-cymaroside see 30030 Cymarin			
	K-Strophantin-α see 30030 Cymarin			
	G-Strophantin see 75640 Ouabain			
85940	Strychnine-N-oxide purum (Gen-strychnine Trihydrate; N-Oxystrychnine) 6.1/81e $\text{C}_{21}\text{H}_{22}\text{N}_2\text{O}_3 \cdot 3\text{H}_2\text{O}$ M_r 404.47 [7248-28-4]		1 g 20.—	
	Styrene (Phenylethylene; Vinylbenzene) 3/3; 32° $\text{C}_6\text{H}_5\text{CH}:\text{CH}_2$ C_8H_8 M_r 104.15 [100-42-5]			
85959	puriss. p.a. monomer 99.5%(GC); stab. with 40-50 ppm Butylpyrocatechol; B.P. ₁₀ 31°; d_4^{20} 0.906; n_D^{20} 1.547; store in refrigerator	1 lt $\approx$ 0.91 kg	250 ml 10.—	1 lt 32.—
85960	purum monomer; >99%(GC); B.P. 142-146°; d_4^{20} 0.906; n_D^{20} 1.547; stab. with 40-50 ppm p-tert-Butylpyrocatechol; store in refrigerator	1 lt $\approx$ 0.91 kg	1 lt 10.—	2.5 lt 22.—
	"Styrene alcohol" see 77850 ($\pm$)-1-Phenylethanol			
	Styrene oxide (1,2-Epoxyethylbenzene; Phenylethylene oxide) 3/4; 80° $\text{C}_6\text{H}_5\text{CHCH}_2\text{O}$ $\text{C}_8\text{H}_8\text{O}$ M_r 120.15 [96-09-3]			
77950	purum >97%(GC); B.P. 192-194°; d_4^{20} 1.052; n_D^{20} 1.534	1 lt $\approx$ 1.05 kg	250 ml 11.—	1 lt 38.—
60930	Suberic acid purum >98%(T); M.P. 140-144° (Dicarboxylic acid C_8 ; Octanedioic acid) $\text{HOOC}(\text{CH}_2)_6\text{COOH}$ $\text{C}_8\text{H}_{14}\text{O}_4$ M_r 174.20 [505-48-6]		250 g 20.—	1 kg 70.—
	Suberonitrile (1,6-Dicyanohexane; Hexamethylene dicyanide) 6.1/2b $\text{NC}(\text{CH}_2)_6\text{CN}$ $\text{C}_8\text{H}_{12}\text{N}_2$ M_r 136.20 [629-40-3]			
60980	purum >98%(GC); B.P. ₁₀ 173-176°	1 lt $\approx$ 0.93 kg	250 ml 28.—	500 ml 120.—
85965	Substance P (L-Arginyl-L-prolyl-L-lysyl-L-prolyl-L-glutamyl-L-glutamyl-L-phenylalanyl-L-phenylalanyl-glycyl-L-leucyl-L-methioninamide) $\text{C}_{63}\text{H}_{98}\text{N}_{18}\text{O}_{13}\text{S}$ M_r 1347.66 [11035-08-8]		1 mg 60.—	

Substrates see "Enzyme Substrates" green section

Subtilisin Carlsberg see 82490 Proteinase

Subtilo peptidase A see 82490 Proteinase

14110	Succinamide purum >98%(N); M.P. 260-265° dec.; Ash <0.1% $\text{NH}_2\text{COCH}_2\text{CH}_2\text{CONH}_2$ $\text{C}_4\text{H}_8\text{N}_2\text{O}_2$ M_r 116.12 [110-14-5]		100 g 22.—	
	Succinic acid (Dicarboxylic acid C_4) $\text{HOOCCH}_2\text{CH}_2\text{COOH}$ $\text{C}_4\text{H}_6\text{O}_4$ M_r 118.09 [110-15-6]			
14079	puriss. p.a. Fluka-Guarantee: Assay >99.5 % Phosphate (PO_4) <0.001 % Residue on ignition (as SO_4) <0.02 % Heavy metals (as Pb) <0.0005% Chloride (Cl) <0.0005% Iron (Fe) <0.0004% Sulfate (SO_4) <0.005 % Ammonium (NH_4) <0.001 %	100 g 7.—	250 g 13.—	1 kg 45.—
14080	purum >99%(T); M.P. 185-187°; Ash <0.1%		500 g 11.—	2.5 kg 46.—
14081	pract. >98%(T); M.P. 184-187°		1 kg 10.—	5 kg 37.—
14160	Succinic acid Disodium salt anhydrous purum >98%(NT) (Disodium succinate) $\text{NaOOCCH}_2\text{CH}_2\text{COONa}$ $\text{C}_4\text{H}_4\text{Na}_2\text{O}_4$ M_r 162.06 [150-90-3]		100 g 12.—	500 g 50.—
14170	Succinic acid Disodium salt Hexahydrate puriss. p.a. >99%(NT); H_2O 38 $\pm$ 2% $\text{NaOOCCH}_2\text{CH}_2\text{COONa} \cdot 6\text{H}_2\text{O}$ $\text{C}_4\text{H}_4\text{Na}_2\text{O}_4 \cdot 6\text{H}_2\text{O}$ M_r 270.15 [150-90-3]		100 g 7.—	500 g 20.—
	Succinic acid mono-4-hydroxybutylester see 19015 Butane-1,4-diol succinate			
	Succinic acid monomethylester chloride see 14195 3-Carbomethoxypropionyl chloride			
	Succinic anhydride 8/31 $\text{OCCH}_2\text{CH}_2\text{COO}$ $\text{C}_4\text{H}_4\text{O}_3$ M_r 100.08 [108-30-5]			
14089	puriss. biochim. >99%(NT); M.P. 119-120°; succinylation: Klotz, Methods in Enzymology; Vol. XI, 576 (1967)		100 g 12.—	500 g 50.—
14090	purum >97%(NT); M.P. 117-119°		250 g 8.—	1 kg 25.—



				sFr.	sFr.
85970	Succinimide purum >98%(NT); M.P. 123-125° <chem>NHCOCH2CH2CO</chem> <chem>C4H5NO2</chem> M_r 99.09 [123-56-8]			100 g 9.—	500 g 32.—
	(2-[Succinimidooxycarbonyloxy]ethyl) sulfone see 15160 Bis(2-[succinimidooxycarbonyloxy]ethyl)sulfone				
45906	N-Succinimidyl acetate (Acetic acid hydroxysuccinimide ester) <chem>CH3COONCOCH2CH2CO</chem> <chem>C6H7NO4</chem> M_r 157.13 [14464-29-0] purum M.P. 128-130°; Highly specific acetylating reagent for free amino acids; Y. Lapidot et al., J. Lipid Res. 8, 142 (1967)			5 g 29.—	25 g 120.—
73649	N-Succinimidyl 4-nitrophenylacetate , SNPA puriss. ~99%(N); M.P. 180-183° <chem>NO2C6H4CH2COONCOCH2CH2CO</chem> <chem>C12H10N2O6</chem> M_r 278.22			5 g 50.—	
	Succinonitrile 6.1/21 <chem>NCCH2CH2CN</chem> <chem>C4H4N2</chem> M_r 80.09 [110-61-2]				
14180	puriss. ~99%(GC); M.P. 53-55°; 1 g clearly and colourless soluble in 10 ml Methanol			25 g 8.—	100 g 25.—
14190	pract. ~97%(GC); M.P. 50-54°			250 g 29.—	1 kg 105.—
	Succinyl chloride 8/22 <chem>ClCOCH2CH2COCl</chem> <chem>C4H4Cl2O2</chem> M_r 154.98 [543-20-4] 14140 purum >98%(Cl); M.P. 15-18°; B.P. 95-96° (Lit.); d_4^{20} 1.37; n_D^{20} 1.467		1 lt ≈ 1.37 kg	100 ml 28.—	500 ml 120.—
	Succinylcholine chloride <chem>(CH3)3N(Cl)CH2CH2OCOCH2CH2COOCH2CH2N(Cl)(CH3)3.2H2O</chem> <chem>C14H30Cl2N2O4.2H2O</chem> M_r 397.36 [71-27-2] 85980 purum USP; >99%(NT); M.P. 159-164°; 1 g clearly and colourless soluble in 10 ml water			10 g 7.—	50 g 20.—
84100	D-Sucrose [β-D-Fructofuranosyl-α-D-glucopyranoside; D(+) -Saccharose] <chem>C12H22O11</chem> M_r 342.30 [57-50-1] puriss. for Bacteriology; M.P. 186-188°; $[\alpha]_{546}^{20} + 78 \pm 1^\circ$; $[\alpha]_D^{20} + 66.5 \pm 1^\circ$ (c = 10 in water); Ash <0.05%; 10 g clearly and colourless soluble in 100 ml water Fluka-Guarantee: Loss on drying <0.1 % Residue on ignition (as SO ₄) <0.1 % Chloride (Cl) <0.005 % Sulfate (SO ₄) <0.005 % Copper (Cu) <0.0001 % Lead (Pb) <0.0001 % Cadmium (Cd) <0.0001 % Zinc (Zn) <0.0001 % Iron (Fe) <0.0005 % Cobalt (Co) <0.0001 % Nickel (Ni) <0.0001 % Arsenic (As) <0.00001 %		250 g 7.—	1 kg 15.—	5 kg 63.—
84112	D(+) -Sucrose octaacetate purum M.P. 82-85°; $[\alpha]_{546}^{20} + 70 \pm 2^\circ$; $[\alpha]_D^{20} + 58 \pm 2^\circ$ (c = 1 in Chlf.) <chem>C28H38O19</chem> M_r 678.60 [126-14-7]			250 g 22.—	1 kg 80.—
86010	Sudan Red B [C.I. Nr. 26110] <chem>3-CH3C6H4N:NC6H3-2-CH3-4-N:N-1-C10H6-2-OH</chem> <chem>C24H20N4O</chem> M_r 380.45 [85-86-9] Standard Fluka for Microscopy (Bot., Hist.)			25 g 7.—	100 g 20.— 500 g 85.—
	Sudan IV see 84650 Scarlet R				
86015	Sudan Black B [C.I. Nr. 26150] Standard Fluka <chem>C29H24N6</chem> M_r 456.55 [4197-25-5]			25 g 9.—	100 g 30.—
	Sudan Red 7B see 46290 Fat Red Bluish				
86040	Sulfamic acid (Amidosulfonic acid) <chem>NH2SO3H</chem> <chem>H3NO3S</chem> M_r 97.09 [5329-14-6] puriss. p.a. Fluka-Guarantee: Assay >99.5 % Chloride (Cl) <0.001 % Sulfate (SO ₄) <0.02 % Iron (Fe) <0.0005 % Copper (Cu) <0.0005 % Lead (Pb) <0.0005 % Zinc (Zn) <0.0005 % Calcium (Ca) <0.0005 % Residue on ignition <0.02 %			100 g 10.—	500 g 37.—



					sFr.	sFr.
Sulfamic acid (continue)						
86042	purum p.a.				1 kg 11. —	5 kg 46. —
	Fluka-Guarantee:					
	Assay	>98.0 %	Iron (Fe)	<0.005%		
	Chloride (Cl)	<0.005%	Zinc (Zn)	<0.005%		
	Sulfate (SO ₄)	<0.05 %	Calcium (Ca)	<0.005%		
	Copper (Cu)	<0.005%	Residue on ignition	<0.05 %		
	Lead (Pb)	<0.005%				
86033	Sulfamide purum >99%(N); M.P. 90-92°				10 g 50. —	50 g 210. —
	(NH ₂) ₂ SO ₂ H ₄ N ₂ O ₂ S M _r 96.11 [7803-58-9]					
4-Sulfamoylbenzoic acid (Benzoic acid-4-sulfamide; Carboxybenzene sulfonamide)						
	NH ₂ SO ₂ C ₆ H ₄ COOH C ₇ H ₇ NO ₄ S M _r 201.20 [138-41-0]					
86050	purum p.a. M.P. 285-295° dec.				250 g 24. —	1 kg 90. —
	Fluka-Guarantee:					
	Assay	>99.0 %	Lead (Pb)	<0.001%		
	Chloride (Cl)	<0.01 %	Iron (Fe)	<0.002%		
	Sulfate (SO ₄)	<0.01 %	Zinc (Zn)	<0.002%		
	Copper (Cu)	<0.001%	Ash (as SO ₄)	<0.02 %		
86060	Sulfanilamide purum DAB; >98%(NT); M.P. 164-166°; Ash <0.05%				250 g 12. —	1 kg 40. —
	NH ₂ C ₆ H ₄ SO ₂ NH ₂ C ₆ H ₈ N ₂ O ₂ S M _r 172.21 [63-74-1]					
Sulfanilic acid (4-Aminobenzenesulfonic acid; Aniline-4-sulfonic acid)						
	NH ₂ C ₆ H ₄ SO ₃ H C ₆ H ₇ NO ₃ S M _r 173.19 [121-57-3]					
86090	puriss. p.a.				100 g 9. —	500 g 32. —
	Fluka-Guarantee:					
	Assay	>99.0 %	Iron (Fe)	<0.005%		
	Sulfate (SO ₄)	<0.005 %	Zinc (Zn)	<0.001%		
	Nitrite (NO ₂)	<0.0005%	Cadmium (Cd)	<0.001%		
	Copper (Cu)	<0.001 %	Ash (as SO ₄)	<0.01 %		
	Lead (Pb)	<0.001 %				
86092	pract. >98%(T)				1 kg 22. —	5 kg 90. —
o-Sulfanilic acid see 75520 Orthanilic acid						
Sulfanilic acid azochromotrop [SPADNS; 2-(4-Sulfophenylazo)chromotropic acid						
	Trisodium salt]					
	4-NaO ₃ SC ₆ H ₄ N:N-2-C ₁₀ H ₃ -1,8-(OH) ₂ -3,6-(SO ₃ Na) ₂ C ₁₆ H ₉ N ₂ Na ₃ O ₁₁ S ₃					
	M _r 570.42 [23647-14-5]					
86100	p.a. Indicator for Complexometry; Z. analyt. Chem. 147, 105 (1955), id. 148, 350 (1955)				10 g 14. —	50 g 60. —
Sulfarsazene {5-Nitro-2(3-[4-sulfophenylazo]-1-triazeno)phenylarsonic acid Trisodium salt}						
	6.1/81i NO ₂ C ₆ H ₃ [AsO(ONa) ₂]N:NNHC ₆ H ₄ N:NC ₆ H ₄ SO ₃ Na C ₁₈ H ₁₂ AsN ₆ Na ₃ O ₈ S					
	M _r 616.33 [1772-02-7]					
86110	p.a. M.P. >300°				5 g 24. —	25 g 100. —
N-Sulfinylaniline see 88936 N-Thionylaniline						
Sulphydryl Reagents see green section						
2-Sulfobenzaldehyde Sodium salt see 12050 Benzaldehyde-2-sulfonic acid Sodium salt						
86130	2-Sulfobenzoic acid cyclic anhydride pract. ~97%(T); M.P. 106-110°				10 g 16. —	50 g 67. —
	C ₆ H ₄ COO ₂ SO ₂ C ₇ H ₄ O ₄ S M _r 184.17 [81-08-3]					
2-Sulfobenzoic acid imide and Sodium salt see 12475 and 12476 o-Benzoic acid sulfimide and Sodium salt						
Sulfobromophthalein Sodium see 18360 Bromosulfalein						
Sulfochlorophenol S [2,7-Bis(5-chloro-2-hydroxy-3-sulfophenylazo)chromotropic acid						
	Tetrasodium salt]					
	C ₂₂ H ₁₀ Cl ₂ N ₄ Na ₄ O ₁₀ S ₄ M _r 877.46 [2103-73-3] (free acid)					
86145	p.a. Colorimetric Reagent for: Nb; Z. anal. Chem. 214, 189-193 (1965); spectrophotometr. Nb-Det.: Anal. Chim. Acta 109, 381 (1979)				1 g 25. —	5 g 105. —



					sFr.	sFr.
		Sulfolane (Tetrahydrothiophene-1,1-dioxide; Tetramethylenesulfone)				
		$\text{CH}_2(\text{CH}_2)_3\text{SO}_2$ $\text{C}_4\text{H}_8\text{O}_2\text{S}$ M_r 120.17 [126-33-0]				
86148		puriss. p.a. >99.5%(GC); M.P. 25-27°; B.P. 104°	1 lt ≈ 1.26 kg	100 ml 20. —	500 ml 85. —	
86150		pract. >95%(GC); M.P. 2-10°; Water <5%	1 lt ≈ 1.26 kg	250 ml 16. —	1 lt 55. —	
86160		3-Sulfolene purum >98%(S); M.P. 64-67° (2,5-Dihydrothiophene-1,1-dioxide)			100 g 11. —	500 g 44. —
		$\text{CH}_2\text{CH:CHCH}_2\text{SO}_2$ $\text{C}_4\text{H}_6\text{O}_2\text{S}$ M_r 118.16 [77-79-2]				
		2-(4-Sulfo-1-naphthylazo)chromotropic acid Trisodium salt see 85470 SNADNS				
86170		Sulfonazo III p.a. [2,7-Bis-(2-sulfophenylazo)-chromotropic acid]			5 g 16. —	
		$\text{C}_{22}\text{H}_{16}\text{N}_4\text{O}_{14}\text{S}_4$ (as acid) M_r 688.85 [1738-02-9]				
		Sulfonyldianiline see 32960 4,4'-Diaminodiphenylsulfone				
86195		5-Sulfosalicylic acid purum >98%(T); M.P. 107-110° (2-Hydroxy-5-sulfobenzoic acid)			250 g 10. —	1 kg 32. —
8/21		$\text{HOC}_6\text{H}_3(\text{COOH})\text{SO}_3\text{H} \cdot 2\text{H}_2\text{O}$ $\text{C}_7\text{H}_6\text{O}_6\text{S} \cdot 2\text{H}_2\text{O}$ M_r 254.22 [5965-83-3]				
		5-Sulfosalicylic acid Sodium salt (2-Hydroxy-5-sulfobenzoic acid Sodium salt)				
		$\text{HOC}_6\text{H}_3(\text{COOH})\text{SO}_3\text{Na}$ $\text{C}_7\text{H}_5\text{NaO}_6\text{S}$ M_r 240.17 [831-54-9]				
86197		techn. Mixture with free acid			100 g 18. —	500 g 75. —
		Sulfoarea see 88810 Thiourea				
		Sulfur				
	4.1/2a	S A_r 32.06 [7704-34-9]				
84680		puriss. >99.999%; M.P. 120-121°			10 g 22. —	50 g 90. —
84681		Colloidal purum 80-85%(S) + ~15% emulsifiers; 2-3% Ca CO ₃ ; H ₂ O 2-3%;				
		Ash <0.05%			1 kg 8. —	5 kg 29. —
84682		precipitated purum DAB			1 kg 9. —	5 kg 32. —
84683		subl. purum DAB			1 kg 8. —	5 kg 29. —
		Sulfur chloride (Sulfur monochloride)				
	8/11a	S_2Cl_2 Cl_2S_2 M_r 135.03 [10025-67-9]				
84715		pract. ~98%(Cl); B.P. 137-139°; d_4^{20} 1.682; n_D^{20} 1.658			1 lt ≈ 1.68 kg	1 lt 14. —
		Sulfur dichloride (Dichloro sulfide)				
	8/11a	SCl_2 Cl_2S M_r 102.97 [10545-99-0]				
84690		purum >98%(Cl); B.P. ~60° dec.; d_4^{20} 1.621			1 lt ≈ 1.62 kg	1 lt 25. —
		Sulfur dioxide				
	2/17at	SO_2 O_2S M_r 64.06 [7446-09-6]				
		puriss. >99.97% + <0.015% water; 0.005% H ₂ SO ₄ ; 0.01% residue on evaporation				
84691		Pressure tin with 250 ml net ~350 g			250 ml 35. —	(Reg. valve 83547)
84692	2/5at	Cyl. with 2.0 lt, net ~2.5 kg 360. —			(price of gas 180. —)	
84694	2/5at	Cyl. with 5.0 lt, net ~6.0 kg 440. —			(price of gas 220. —)	
		Sulfur hexafluoride				
	2/5a	SF_6 F_6S M_r 146.05 [25551-62-4]				
84700		purum ~99% + 1-2% air + 0.0015% H ₂ O + 0.002% SF ₄ + 0.001% S ₂ F ₁₀				
		Cyl. with net ~4.75 kg			720. —	(price of gas 400. —)
		Sulfuric acid				
	8/1a	H_2SO_4 $\text{H}_2\text{O}_4\text{S}$ M_r 98.08 [7664-93-9]				
84720		puriss. p.a. conc.; d_4^{20} 1.83			1 lt ≈ 1.83 kg	1 lt 10. —
		Fluka-Guarantee:				
		Assay	>95.0 %	Iron (Fe)	<0.0001 %	
		Ash	<0.0005%	Arsenic (As)	<0.000003%	
		Nitrate (NO ₃)	<0.0002%	KMnO ₄ reducing		
		Selenium (Se)	<0.0003%	parts	<0.0002 %	
84722		purum p.a. for milk-analysis; d_4^{20} 1.820-1.825			1 lt ≈ 1.82 kg	1 lt 15. —
84723	8/1c	purum p.a. for cream-analysis; d_4^{20} 1.600			1 lt ≈ 1.60 kg	1 lt 14. —
		Sulfuric acid-d₂ 96-98% in D ₂ O (Deuteriosulfuric acid; Dideutero-sulfuric acid)				
	8/1a	$\text{D}_2\text{O}_4\text{S}$ M_r 100.09 [13813-19-9]				
36780		puriss. >99.5 Atom% D (with Fluka-Guarantee)			1 lt ≈ 1.86 kg	25 ml 46. — 100 ml 160. —
		Sulfuric acid diethyl ester see 32520 Diethyl sulfate				
		Sulfuric acid dimethyl ester see 41610 Dimethyl sulfate				
		Sulfur monochloride see 84715 Sulfur chloride				

FLUKA

GUARANTEE



			sFr.	sFr.
84730	Sulfur tetrafluoride purum SF ₄ M _r 108.06 [7783-60-0]	Cyl. with ~450 g net	760. —	
84737	Sulfur trioxide Pyridine Complex pract. >97%(S); M.P. ~150-160°; Ash >0.05% 8/12 SO ₃ .N:CHCH:CHCH:CH C ₅ H ₅ N.SO ₃ M _r 159.16 [26412-87-3]		100 g 25. —	500 g 105. —
	Sulfuryl chloride 8/11a SO ₂ Cl ₂ Cl ₂ O ₂ S M _r 134.97 [7791-25-5]			
86210	puriss. >99%(T); B.P. 69-70°; d ₄ ²⁰ 1.665; n _D ²⁰ 1.443	1 lt ≈ 1.67 kg	250 ml 14. —	1 lt 50. —
86212	pract. >97%(T); B.P. 65-70°; d ₄ ²⁰ 1.665; n _D ²⁰ 1.443	1 lt ≈ 1.67 kg	1 lt 15. —	2.5 lt 33. —

Surfactants see "Detergents and Surfactants" green section

"Syringaldehyde" see 89940 p-Tolylacetaldehyde

	Syringaldehyde (3,5-Dimethoxy-4-hydroxybenzaldehyde, see also 4-Tolylacetaldehyde) (CH ₃ O) ₂ C ₆ H ₂ (OH)CHO C ₉ H ₁₀ O ₄ M _r 182.18 [134-96-3]			
86220	purum >99%(NT); M.P. 110-112°; Ash >0.05%		5 g 13. —	25 g 55. —
86230	Syringic acid purum >98%(T); M.P. 204-207° (3,5-Dimethoxy-4-hydroxybenzoic acid) (CH ₃ O) ₂ C ₆ H ₂ (OH)COOH C ₉ H ₁₀ O ₅ M _r 198.18 [530-57-4]		10 g 13. —	50 g 55. —
	2,4,5-T see 91370 2,4,5-Trichlorophenoxyacetic acid			
86240	D-(+)-Tagatose puriss. M.P. 132-135°; [α] _D ²⁰ +2±0.5° (c = 1 in water) HOCH ₂ CO(CHOH) ₃ CH ₂ OH C ₆ H ₁₂ O ₆ M _r 180.16 [87-81-0]		250 mg 20. —	1 g 70. —
	Taka Diastase (Taka-Amylase ex mushrooms) [9001-19-8]			
86250	0.215 U according to Willstätter, pH 4.5-5.5; Temperature-Optimum <50°; store in refrigerator		100 g 25. —	500 g 105. —
86255	Talc purum p.a. DAB; >98%; 325 mesh [14807-96-6]		1 kg 7. —	5 kg 21. —
86265	D(+)-Talose puriss. M.P. 124-127°; [α] _D ²⁰ +23±1° (c = 1 in water) HOCH ₂ CH(CHOH) ₄ CHO C ₆ H ₁₂ O ₆ M _r 180.16 [2595-98-4]		250 mg 85. —	1 g 300. —
	TAN see 88413 1-(2-Thiazolylazo)-2-naphthol			
48811	Tannic acid p.a. H ₂ O 2-6% C ₇₆ H ₅₂ O ₄₆ M _r 1701.23 [5424-20-4]		100 g 7. —	500 g 24. —
86270	Tantalum purum >99.7% powder Ta A _r 180.95 [7440-25-7]		10 g 15. —	50 g 63. —
86280	Tantalum carbide purum 4.3/2a TaC CTa M _r 192.96 [12070-06-3]		10 g 16. —	50 g 67. —
86290	Tantalum(V) chloride puriss. from 99.9% Ta; store in refrigerator (Tantalum pentachloride) TaCl ₅ Cl ₅ Ta M _r 358.21 [7721-01-9]		10 g 16. —	50 g 67. —
86300	Tantalum(V) oxide puriss. powder >99.9%; coloured Elements <10 ppm (Tantalum pentoxide) Ta ₂ O ₅ O ₅ Ta ₂ M _r 441.89 [1314-61-0]		10 g 25. —	50 g 105. —
	Tantalum pentachloride see 86290 Tantalum(V) chloride			
	Tantalum pentoxide see 86300 Tantalum(V) oxide			
	TAR see 88414 4-(2-Thiazolylazo)resorcinol			

	L(+)-Tartaric acid HOOC(CHOH) ₂ COOH C ₄ H ₆ O ₆ M _r 150.09 [87-69-4]			
95309	puriss. p.a. >99.5%(T); M.P. 167-169°; [α] _D ²⁰ +15.0±0.5°; [α] _D ²⁰ +13.5±0.5° (c = 10 in water); Ash <0.05%	500 g 12. —	1 kg 22. —	2.5 kg 50. —
95310	puriss. Ph. Helv.; >99%(T); M.P. 166-169°; [α] _D ²⁰ +15.0±1°; [α] _D ²⁰ +13.5±0.5° (c = 10 in water); Ash <0.05%	500 g 8. —	1 kg 14. —	2.5 kg 31. —
	D(-)-Tartaric acid HOOC(CHOH) ₂ COOH C ₄ H ₆ O ₆ M _r 150.09 [147-71-1]			
95320	puriss. >99%(T); M.P. 166-169°; Unnatural Form; [α] _D ²⁰ -15.0±1°; [α] _D ²⁰ -13.5±0.5° (c = 10 in water); Ash <0.05%	10 g 13. —	50 g 55. —	250 g 230. —

L(+)-Tartaric acid Ammonium Sodium salt see 09883 Ammonium Sodiumtartrate

			sFr.	sFr
	DL-Tartaric acid anhydrous			
	HOOC(CHOH) ₂ COOH C ₄ H ₆ O ₆ M _r 150.09 [133-37-9]			
95330	purum >99%(T); M.P. 205-215° dec.; 1 g clearly soluble in 10 ml water		250 g 21. —	1 kg 75. —
	L(+) -Tartaric acid Diammonium salt see 09984 di-Ammonium tartrate			
	L(+) -Tartaric acid dihydrazide			
	NH ₂ NHCO(CHOH) ₂ CONHNH ₂ C ₄ H ₁₀ N ₄ O ₄ M _r 178.15 [54789-92-3]			
95362	purum >98%(N); M.P. 220-225° dec.; [α] _D ²⁰ + 160±2° (c = 1 in water)		25 g 24. —	100 g 90. —
	D(–) -Tartaric acid dihydrazide			
	NH ₂ NHCO(CHOH) ₂ CONHNH ₂ C ₄ H ₁₀ N ₄ O ₄ M _r 178.15			
95363	purum >98%(N); M.P. ~180° dec.; [α] _D ²⁰ – 160±2° (c = 1 in water)		5 g 21. —	25 g 90. —
	L(+) -Tartaric acid dimethylester see 95365 Dimethyl L(+) -tartrate			
	L(+) -Tartaric acid Dipotassium salt see 60538 di-Potassium tartrate			
	L(+) -Tartaric acid Disodium salt see 71995 di-Sodium tartrate			
	L(+) -Tartaric acid Monoammonium salt see 09855 Ammonium hydrogentartrate			
	L(+) -Tartaric acid Monopotassium salt see 60365 Potassium hydrogen-L-tartrate			
	L(+) -Tartaric acid Monosodium salt see 71680 Sodium hydrogentartrate			
	L(+) -Tartaric acid Potassium Sodium salt see 60410 Potassium sodium tartrate			
	meso-Tartaric acid Monohydrate (Mesotartaric acid)			
	HOOC(CHOH) ₂ COOH.H ₂ O C ₄ H ₆ O ₆ .H ₂ O M _r 168.10 [147-73-9]			
95350	purum >99%(T); M.P. 73-75°(-Water)→146-148°		25 g 24. —	100 g 90. —
86310	Tartrazine [C.I. Nr. 19140; Sch. Nr. 737] Standard Fluka for Microscopy (Hist.) NaO ₃ SC ₆ H ₄ NN:C(COONa)C(N:NC ₆ H ₄ -4-SO ₃ Na):COH C ₁₆ H ₉ N ₄ Na ₃ O ₉ S ₂ M _r 534.37 [1934-21-0]		100 g 16. —	500 g 67. —
86320	Tartronic acid purum >98%(T); M.P. 155-156°; Ash <0.05% (Hydroxymalonic acid) HOCH(COOH) ₂ C ₃ H ₄ O ₅ M _r 120.06 [80-69-3]		10 g 20. —	50 g 85. —
	Taurine (2-Aminoethanesulfonic acid)			
	NH ₂ CH ₂ CH ₂ SO ₃ H C ₂ H ₇ NO ₃ S M _r 125.15 [107-35-7]			
86330	puriss. CHR.; >99%(T); M.P. 328-329° dec.; Ash <0.1%; 1 g clearly soluble in 10 ml water		250 g 7. —	100 g 11. — 500 g 46. —
	Taurocholic acid Sodium salt (Sodium taurocholate)			
	C ₂₆ H ₄₄ NNaO ₇ S.aq M _r 537.70 + aq [145-42-6]			
86339	purum >99%(S); [α] _D ²⁰ + 25±2° (c = 3 in water); Cholic acid ~5-10%		1 g 16. —	5 g 67. — 25 g 285. —
86340	techn.; Mixture of miscellaneous composition		100 g 18. —	500 g 75. —
	TBDMSCI see 19905 tert-Butyldimethylchlorosilane			
	TCNE see 87120 Tetracyanoethylene			
	TCNEO see 87121 Tetracyanoethylene oxide			
	TCNQ see 87126 7,7,8,8-Tetracyanoquinodimethane			
	TEAB see 86600 Tetraethylammonium borohydride			
	TED see 33480 1,4-Diazabicyclo[2.2.2]octane			
	Teepol "Shell"			
86350	Mixture of surfactants with important wetting and cleaning activity		1 lt ≈ 1.03 kg	1 lt 8. — 5 lt 29. —
	Tellurium			
	Te A _r 127.60 [13494-80-9]			
86360	puriss. >99.999%; granular		10 g 20. —	50 g 85. —
86362	purum powder >99.7%		25 g 11. —	100 g 38. —
86370	Tellurium dioxide pract. >95% 6.1/75 TeO ₂ O ₂ Te M _r 159.60 [7446-07-3]		50 g 21. —	250 g 90. —
86380	Terbium puriss. 99.9% + 0.1% Dy + Gd + Y; sticks Tb A _r 158.92 [7440-27-9]		1 g 45. —	

			sFr.	sFr.
86390	Terbium oxide puriss. >99.9% + 0.1% Dy ₂ O ₃ + Gd ₂ O ₃ + Y ₂ O ₃ Tb ₄ O ₇ O ₇ Tb ₄ M _r 747.29 [12037-01-3]		1 g 14. —	5 g 60. —
86400	Terebic acid (2,2-Dimethyl-5-oxo-tetrahydro-3-furan carboxylic acid) (CH ₃) ₂ COCOCH ₂ CHCOOH C ₇ H ₁₀ O ₄ M _r 158.16 [79-91-4] purum >99%(T); M.P. 175-176°; 1 g clearly and colourless soluble in 10 ml Methanol		10 g 20. —	50 g 85. —
86410	Terephthalaldehyde (Benzene-1,4-dicarboxaldehyde) C ₆ H ₄ (CHO) ₂ C ₈ H ₆ O ₂ M _r 134.14 [623-27-8] purum ~98%(T); M.P. 114-116°; <1% Terephthalic acid		25 g 9. —	100 g 28. —
	Terephthalaldehydic acid see 21870 4-Carboxybenzaldehyde			
86420	Terephthalic acid (Benzene-1,4-dicarboxylic acid) C ₆ H ₄ (COOH) ₂ C ₈ H ₆ O ₄ M _r 166.14 [100-21-0] purum >99%(T); M.P. >300° (subl.); Ash <0.2%		500 g 10. —	2.5 kg 40. —
	Terephthalic acid mononitrile see 28370 4-Cyanobenzoic acid			
86439	Terephthalic acid Sodium salt purum C ₆ H ₄ (COONa) ₂ C ₈ H ₄ Na ₂ O ₄ M _r 210.10 [10028-70-3]		250 g 22. —	
86441	Terephthalonitrile purum >98%(N); M.P. 221-225° (1,4-Dicyanobenzene) C ₆ H ₄ (CN) ₂ C ₈ H ₄ N ₂ M _r 128.13 [623-26-7]		25 g 13. —	100 g 45. —
86430	Terephthaloyl chloride 8/12 C ₆ H ₄ (COCl) ₂ C ₈ H ₄ Cl ₂ O ₂ M _r 203.03 [100-20-9] purum >99%(Cl); M.P. 81-83°; 1 g clearly soluble in 10 ml Diethyl ether		25 g 14. —	100 g 50. —
86432	pract. >95%(Cl); M.P. 78-84°		100 g 10. —	500 g 37. —
86450	Tergitol NPX [9016-45-9]	1 lt ≈ 1.06 kg	1 lt 15. —	5 lt 63. —
86451	Tergitol 7 25% in water (Sodium-''heptadecyl''-sulfate) C ₁₇ H ₃₅ NaO ₄ S M _r 358.52 [3282-85-7]	1 lt ≈ 1.06 kg	250 ml 12. —	1 lt 40. —

Terpenes see green section

86470	p-Terphenyl (1,4-Diphenylbenzene) C ₆ H ₅ C ₆ H ₄ C ₆ H ₅ C ₁₈ H ₁₄ M _r 230.31 [92-94-4] puriss. >99%(UV); M.P. 212-213°; λ _{max} 277 nm, log ε 4.50; for Scintillation		50 g 21. —	250 g 90. —
86475	α-Terpinene (p-Mentha-1,3-diene) 3/3; 50° (CH ₃) ₂ CHC:CHCH:C(CH ₃)CH ₂ CH ₂ C ₁₀ H ₁₆ M _r 136.24 [99-86-5] pract. ~95%(GC); B.P. 174-178°; d ₄ ²⁰ 0.838; n _D ²⁰ 1.478	1 lt ≈ 0.84 kg	250 ml 18. —	1 lt 65. —
86478	γ-Terpinene (p-Mentha-1,4-diene) 3/3; 50° (CH ₃) ₂ CHC:CHCH ₂ C(CH ₃):CHCH ₂ C ₁₀ H ₁₆ M _r 136.24 [99-85-4] purum >97%(GC); B.P. 183-186°; d ₄ ²⁰ 0.848; n _D ²⁰ 1.474	1 lt ≈ 0.85 kg	100 ml 14. —	500 ml 60. —
86480	Terpineol anhydrous C ₁₀ H ₁₆ O M _r 154.25 [98-55-5] purum Mixture of Terpineol isomeres; d ₄ ²⁰ 0.934; n _D ²⁰ 1.483; H ₂ O <0.5%	1 lt ≈ 0.93 kg	250 ml 10. —	1 lt 35. —
86490	2,2':6',2''-Terpyridine (α,α',α''-Tripyridyl) C ₁₅ H ₁₁ N ₃ M _r 233.28 [1148-79-4] puriss. p.a. ~99%(NT); M.P. 90-92°; for the colorimetric determination of Fe; Z. analyt. Chem. 172, 136 (1960)		250 mg 31. —	1 g 115. —
86495	3,2':6',3''-Terpyridine [2,6-Di(3-pyridyl)-pyridine] C ₁₅ H ₁₁ N ₃ M _r 233.28 purum >98%(GC); M.P. 80-82°; B.P. 205-214°		5 g 29. —	
86498	4,2':6',4''-Terpyridine [2,6-Di(4-Pyridyl)-pyridine] C ₁₅ H ₁₁ N ₃ 233.28 purum >98%(GC); M.P. 142-144°; B.P. 210-218°		5 g 29. —	

TES see 93353 N-[Tris(hydroxymethyl)methyl]-2-aminoethanesulfonic acid

sFr.

sFr

Testosterone (4-Androsten-17 β -ol-3-one; 17 β -Hydroxy-4-androsten-3-one)

$C_{19}H_{28}O_2$ M_r 288.43 [58-22-0]

86500 purum N.F.; >99%(HPLC); M.P. 152-155°; $[\alpha]_{540}^{20} + 123 \pm 2^\circ$; $[\alpha]_D^{20} 103 \pm 2^\circ$
(c = 4 in Ethanol)

1 g 9. — 5 g 34. —

Testosterone acetate (17 β -Acetoxy-4-androsten-3-one)

$C_{21}H_{30}O_3$ M_r 330.47 [1045-69-8]

86510 purum >99%(HPLC); M.P. 139-141°; $[\alpha]_{540}^{20} + 105 \pm 1^\circ$; $[\alpha]_D^{20} + 88 \pm 2^\circ$
(c = 1 in Ethanol)

1 g 9. — 5 g 34. —

Testosterone propionate (17 β -Propionyloxy-4-androsten-3-one)

$C_{23}H_{32}O_3$ M_r 344.50 [57-85-2]

86540 purum USP >99%(HPLC); M.P. 119-121°; $[\alpha]_{540}^{20} + 99 \pm 3^\circ$; $[\alpha]_D^{20} + 86 \pm 3^\circ$
(c = 1 in Dioxane)

1 g 9. — 5 g 34. —

2',4',5',7'-Tetraacetoxymercuri fluorescein (Fluorescein-2',4',5',7'-terayl-tetramercuriacetate)

$C_{28}H_{20}Hg_4O_{13}$ M_r 1366.82 [54295-90-8]

86552 purum; Reagent for the detection of disulfides and mercaptans
after electrophoresis: M. Wronski, Z. Anal. Chem. 264, 406 (1973),
and for the identification of mercaptans by fluorescence spectroscopy, idem,
Talanta 15, 241 (1968)

10 g 25. — 50 g 105. —

1,2,3,5-Tetra-O-acetyl- β -D-ribofuranose

$QCH(CH_2OCOCH_3)(CHOCOCH_3)_2CHOCOCH_3$ $C_{13}H_{18}O_9$ M_r 318.28

[13035-61-5]

86560 puriss. M.P. 81-83°; $[\alpha]_{540}^{20} - 15.0 \pm 0.5^\circ$; $[\alpha]_D^{20} - 13.0 \pm 0.5^\circ$ (c = 2.4 in Chlf.)

1 g 12. — 5 g 50. —

1,2,3,4-Tetra-O-acetyl- β -D-ribopyranose

$Q(CHOCOCH_3)_4CH_2$ $C_{13}H_{18}O_9$ M_r 318.29 [4049-34-7]

86565 puriss. M.P. 107-110°; $[\alpha]_{540}^{20} - 62 \pm 2^\circ$; $[\alpha]_D^{20} - 53 \pm 2^\circ$ (c = 5 in Methanol)

1 g 12. — 5 g 50. —

1,2,4,5-Tetraaminobenzene tetrahydrochloride (Benzene-1,2,4,5-tetraamine tetrahydrochloride)

$C_6H_2(NH_2)_4 \cdot 4HCl$ $C_6H_{10}N_4 \cdot 4HCl$ M_r 284.02 [4506-66-5]

86723 pract. ~95%(T); M.P. >300°

5 g 29. — 25 g 120. —

3,3',4,4'-Tetraaminobiphenyl tetrahydrochloride see 32750 3,3'-Diaminobenzidine
tetrahydrochloride

Tetrabenazine (9,10-Dimethoxy-1,3,4,6,7,11b-hexahydro-3-isobutyl-2H-benzo[a]quinolizin-2-one)

$C_{19}H_{27}NO_3$ M_r 317.43 [58-46-8]

86727 purum >98%(NT); M.P. 126-128°

5 g 18. — 25 g 75. —

3,3',5,5'-Tetrabromo-m-cresolsulfonphthalein see 17470 Bromocresol Green

3,3',5,5'-Tetrabromo-m-cresolsulfonphthalein Sodium salt

see 17480 Bromocresol Green Sodium salt

1,1,2,2-Tetrabromoethane (Acetylenetetrabromide)

6.1/62b $Br_2CHCHBr_2$ $C_2H_2Br_4$ M_r 345.67 [79-27-6]

86760 purum >98%(GC); M.P. -1- + 2°; B.P. 236-238°; d_4^{20} 2.969; n_D^{20} 1.637 1 lt $\approx$ 2.97 kg 250 ml 26. — 1 lt 95. —

2',4',5',7'-Tetrabromofluorescein Disodium salt see 45240 Eosin Yellowish

Tetrabromomethane purum >99%(Br); M.P. 92-93° (Carbon tetrabromide)

6.1/23 CBr_4 M_r 331.65 [558-13-4]

86770 100 g 20. — 500 g 85. —

3,3',5,5'-Tetrabromophenolphthalein ethylester Potassium salt

2- $C_2H_5OCOC_6H_4C(C_6H_2-3,5-Br_2-4-OK):C_6H_2-3,5-Br_2-4-O$ $C_{22}H_{13}Br_4KO_4$

M_r 700.08 [1176-74-5] (free ester)

86780 Standard Fluka for Protein-determination; Feigl, Spot Tests in Org. Analysis,
6. ed., p. 441

1 g 35. — 5 g 145. —

3,3',5,5'-Tetrabromophenolsulfonphthalein see 18030 Bromophenol Blue

3,3',5,5'-Tetrabromophenolsulfonphthalein Sodium salt
see 18040 Bromophenol Blue Sodium salt

2',4',5',7'-Tetrabromo-3,4,5,6-tetrachlorofluorescein Disodium salt see 28550 Cyanosine

$\alpha,\alpha,\alpha',\alpha'$ -Tetrabromo-o-xylene [1,2-Bis(dibromomethyl)benzene]

6.1/23a $C_6H_4(CHBr_2)_2$ $C_8H_6Br_4$ M_r 421.77 [13209-15-9]

86830 purum >99%(Br); M.P. 115-117°

50 g 17. — 250 g 70. —

				sFr.	sFr.
86840	$\alpha,\alpha,\alpha',\alpha'$-Tetrabromo-m-xylene purum M.P. 106-107° [1,3-Bis(dibromomethyl)benzene] 6.1/23a $C_6H_4(CHBr_2)_2$ $C_6H_6Br_4$ M_r 421.77 [36323-28-1]			50 g 20.—	250 g 85.—
	Tetrabutylammonium acetate ($CH_3CH_2CH_2CH_2$) ₄ N(OCOCH ₃) $C_{16}H_{39}NO_2$ M_r 301.52 [10534-59-5]				
86849	pract. >95%(T); very hygroscopic; Reagent for the epimerization of hydroxyl groups: L. Fieser, M. Fieser, "Reagents for Organic Synthesis", 3, 277; 4, 478			10 g 30.—	50 g 125.—
86855	Tetrabutylammonium borohydride purum >98%(T); M.P. 128-129° 4.3/2b ($CH_3CH_2CH_2CH_2$) ₄ N(BH ₄) $C_{16}H_{40}BN$ M_r 257.32 [33725-74-5]			5 g 26.—	25 g 110.—
	Tetrabutylammonium bromide ($CH_3CH_2CH_2CH_2$) ₄ N(Br) $C_{16}H_{36}BrN$ M_r 322.38 [1643-19-2]				
86860	puriss. >99%(Br); M.P. 102-104°			100 g 30.—	500 g 125.—
86861	purum >98%(Br); M.P. 101-103°	250 g 26.—		1 kg 95.—	10 kg 760.—
86870	Tetrabutylammonium chloride pract. >97%(Cl); H ₂ O ~3% ($CH_3CH_2CH_2CH_2$) ₄ N(Cl) $C_{16}H_{36}ClN$ M_r 277.92 [1112-67-0]			25 g 16.—	100 g 55.—
86864	Tetrabutylammonium cyanate pract. M.P. 66-67°; very sensitive to moisture 6.1/21 ($CH_3CH_2CH_2CH_2$) ₄ N(OCN) $C_{17}H_{36}N_2O$ M_r 284.49 [39139-87-2]			5 g 20.—	25 g 85.—
	Tetrabutylammonium cyanide 6.1/31c ($CH_3CH_2CH_2CH_2$) ₄ N(CN) $C_{17}H_{36}N_2$ M_r 268.40 [10442-39-4]				
86871	purum ~98%(NT); very hygroscopic; store in refrigerator; Reagent for the synthesis of nitriles: H. Kobler et al., Liebigs Ann. Chem. 1946 (1978)			5 g 20.—	25 g 85.—
	Tetrabutylammonium cyanoborohydride 6.1/21 ($CH_3CH_2CH_2CH_2$) ₄ N(BH ₃ CN) $C_{17}H_{39}BN_2$ M_r 282.32 [43064-96-6]				
86858	purum >98%(NT); M.P. 140-142°; "Selective reductive displacement of alkyl halides and sulfonate esters": R. O. Hutchins et al., J. Org. Chem. 42, 82 (1977)			5 g 34.—	25 g 145.—
	Tetrabutylammonium fluoride Trihydrate ($CH_3CH_2CH_2CH_2$) ₄ N(F)·3H ₂ O $C_{16}H_{36}FN·3H_2O$ M_r 315.52 [429-41-4]				
86872	purum >98%(NT); M.P. 59-62°; very hygroscopic; Reagent for the cleavage of silyl ethers: L. Fieser, M. Fieser, "Reagents for Organic Synthesis", 4, 477; 5, 645; catalyst for the silylation with ethyl trimethylsilylacetate: E. Nakamura et al., Tetrahedron Lett. 2079 (1978) (for other TBAF-catalysed reactions see references cited therein); catalyst for the acylation of hindered hydroxyl groups: S. L. Beaucage, K. K. Ogilvie, Tetrahedron Lett. 1691 (1977)			10 g 32.—	50 g 135.—
	Tetrabutylammonium hexacyanoferrate(III) see 93406 Tris(tetrabutylammonium) hexacyanoferrate(III)				
	Tetrabutylammonium hexafluorophosphate ($CH_3CH_2CH_2CH_2$) ₄ N(PF ₆) $C_{16}H_{36}F_6NP$ M_r 387.43 [3109-63-5]				
86874	purum >98%(T); <1% H ₂ O; supporting electrolyte			25 g 20.—	100 g 70.—
	Tetrabutylammonium hydrogensulfate ($CH_3CH_2CH_2CH_2$) ₄ N(HSO ₄) $C_{16}H_{37}NO_4S$ M_r 339.54 [32503-27-8]				
86868	puriss. >99%(T); M.P. 170-173°			25 g 20.—	100 g 70.—
86875	purum ~98%(T); M.P. 165-170°	25 g 12.—		100 g 40.—	500 g 170.—
	Tetrabutylammonium hydroxide 8/32 ($CH_3CH_2CH_2CH_2$) ₄ N(OH) $C_{16}H_{37}NO$ M_r 259.48 [2052-49-5]				
86881	purum 40% in water		1 lt ≈ 0.98 kg	25 ml 17.—	100 ml 60.—
86880	pract. 40% in water; <1% Bromine	1 lt ≈ 0.98 kg	25 ml 8.—	100 ml 22.—	500 ml 90.—
86882	3/5 pract. 25% in Methanol; d_4^{20} 0.842		1 lt ≈ 0.84 kg	50 ml 16.—	250 ml 67.—
	0.1 N Tetrabutylammonium hydroxide solution				
86891	in Isopropyl alcohol for the titration in non aqueous media			500 ml 34.—	1 lt 65.—
	Tetrabutylammonium iodide ($CH_3CH_2CH_2CH_2$) ₄ N(I) $C_{16}H_{36}IN$ M_r 369.38 [311-28-4]				
86890	puriss. p.a. >99%(I); M.P. 145-146°; for Polarography	25 g 8.—		100 g 22.—	500 g 90.—
	Tetrabutylammonium methanesulfonate ($CH_3CH_2CH_2CH_2$) ₄ N(CH ₃ SO ₃) $C_{17}H_{39}NO_3S$ M_r 337.57 [65411-49-6]				
86877	purum >98%(T); M.P. 78-80°; Supporting electrolyte			10 g 20.—	50 g 85.—

50	Tetrabutylammonium nitrate	(CH ₃ CH ₂ CH ₂ CH ₂) ₄ NNO ₃ C ₁₆ H ₃₄ N ₂ O ₄ M _r 344.42 [1341-27-1]	purum >98% (NT); M.P. 118-120°; "Recommended as supporting electrolyte in liquid ammonia", J.W. Zwikker, H. Klenz, Rec. Trav. Chim. Pays Bas 92, 581 (1973)	10 g 18. -	50 g 75. -
54	Tetrabutylammonium nitrite	purum >99% (NT); M.P. 79-81° (CH ₃ CH ₂ CH ₂ CH ₂) ₄ NNO ₂ C ₁₆ H ₃₄ N ₂ O ₂ M _r 286.48		10 g 25. -	50 g 105. -
55	Tetrabutylammonium perchlorate	purum >98% (T); M.P. ~210° (CH ₃ CH ₂ CH ₂ CH ₂) ₄ NClO ₄ C ₁₆ H ₃₄ ClO ₄ M _r 341.92 [1323-79-2]		25 g 16. -	100 g 55. -
59	Tetrabutylammonium (meta)periodate	4.1/16 (CH ₃ CH ₂ CH ₂ CH ₂) ₄ NIO ₆ C ₁₆ H ₃₄ IO ₆ M _r 453.37 [65-20-7] 77-81	purum >99% (T); dry; M.P. 184-185°; monohydrate with 10% H ₂ O	10 g 25. -	50 g 105. -
59	Tetrabutylammonium rhodanide (Tetrabutylammonium thiocyanate)	(CH ₃ CH ₂ CH ₂ CH ₂) ₄ N SCN C ₁₆ H ₃₄ N ₂ S M _r 300.56 [3674-54-2]	purum >99% (T); M.P. 110-111°	25 g 22. -	100 g 80. -
59	Tetrabutylammonium tetrafluoroborate	(CH ₃ CH ₂ CH ₂ CH ₂) ₄ NBF ₄ C ₁₆ H ₃₄ BF ₄ N M _r 325.28 [429-42-5]	purum; M.P. 151-152° purum M.P. 158-162°; <2% H ₂ O	10 g 25. - 25 g 20. -	50 g 105. - 100 g 70. -
59	Tetrabutylammonium tetraphenylborate	(CH ₃ CH ₂ CH ₂ CH ₂) ₄ NB(C ₆ H ₅) ₄ C ₄₀ H ₅₀ BN M _r 561.67 [15522-56-5]	purum; >99% (T); M.P. 226-230°; Supporting electrolyte i.e. g. for the calibration of conductometric cell; B.P. Antamov, M.S. Grifches, B.K. Filanovskii, B.E. Gonsin, Zhur. Polid. Khim. 47, 568 (1974)	5 g 29. -	25 g 120. -
59	Tetrabutylammonium toluene-4-sulfonate	purum >99% (T); supporting electrolyte (CH ₃ CH ₂ CH ₂ CH ₂) ₄ NCH ₂ C ₆ H ₄ SO ₃ C ₂₆ H ₄₀ NO ₂ S M _r 413.67 [7122-35-7]		10 g 28. -	50 g 120. -
59	Tetrabutylammonium trifluoromethanesulfonate	(CH ₃ CH ₂ CH ₂ CH ₂) ₄ NCF ₃ SO ₃ C ₁₆ H ₃₄ F ₃ NO ₃ S M _r 391.54 [35895-70-5]	purum >99% (T); M.P. 112-113°; non-oxidizing electrolyte	10 g 38. -	50 g 160. -
59	Tetrabutyl orthotitanate monomer (Orthotitanic acid tetrabutylester)	3.4 58° Ti(OCH ₂ CH ₂ CH ₂ CH ₃) ₄ C ₁₆ H ₃₄ O ₇ Ti M _r 340.36 [5593-70-4]	cryst. B.P. 140-145°; d ₄ ²⁰ 1.000; n _D ²⁰ 1.49	1 lt = 1.00 kg	250 ml 14. - 1 lt 50. -
59	Tetrabutylphosphonium chloride	(CH ₃ CH ₂ CH ₂ CH ₂) ₄ P ⁺ Cl ⁻ C ₁₆ H ₃₄ CP M _r 294.39 [2304-30-4]	purum >99% (Cl); M.P. ~85°; One of the most efficient phase-transfer catalysts; A.W. Herber, D. Pickel, J. Am. Chem. Soc. 97, 2345 (1975)	10 g 22. - 25 g 24. -	50 g 90. - 100 g 90. -
59	Tetrabutyltin (Tetrabutyltin)	(CH ₃ CH ₂ CH ₂ CH ₂) ₄ Sn C ₁₆ H ₃₄ Sn M _r 347.16 [1481-25-2]	purum ~99% (GC); B.P. 245-247°; d ₄ ²⁰ 1.054; n _D ²⁰ 1.473; store in refrigerator	1 lt = 1.05 kg	100 ml 16. - 10 g 16. -
59	2,3,4,5-Tetrachloroaniline	cryst. >97% HPLC; M.P. 115-118° 6.1/21g NH ₂ C ₆ HCl ₄ C ₆ H ₂ Cl ₄ N M _r 236.91 [1534-83-3]		10 g 14. -	
59	2,3,5,6-Tetrachloroaniline	cryst. >98% HPLC; M.P. 106-108° 6.1/21g NH ₂ C ₆ HCl ₄ C ₆ H ₂ Cl ₄ N M _r 236.91 [3481-20-7]			
59	Tetrachloroauric(III) acid	see 50780 Gold chloride			
59	1,2,3,4-Tetrachlorobenzene	C ₆ H ₂ Cl ₄ M _r 215.90 [1534-88-2]	purum >99% (GC); M.P. 45-47°; <1% 1,2,3,5-Tetrachlorobenzene	25 g 11. -	100 g 38. -
59	1,2,3,5-Tetrachlorobenzene	purum >99% (GC); M.P. 49-51°; 1 g clearly soluble in 10 ml Toluene		25 g 16. -	100 g 55. -
59	1,2,4,5-Tetrachlorobenzene	purum M.P. 138-140° C ₆ H ₂ Cl ₄ M _r 215.90 [1534-94-3]		250 g 10. -	1 kg 32. -
59	3,4,5,6-Tetrachloro-1,2-benzoquinone (tetrachloro-1,2-benzoquinone)	cryst. >98% (GC); M.P. 128-129°; Ach ~0.5% O=C ₆ H ₂ Cl ₄ C=O C ₆ Cl ₄ O ₂ M _r 248.96 [2435-53-2]		25 g 28. -	100 g 28. -

			sFr.	sFr.
	2,3,5,6-Tetrachloro-1,4-benzoquinone see 23280 Chloranil			
87021	Tetrachlorocyclopropene purum >98%(GC); B.P. 130°(Lit.); d_4^{20} 1.549; n_D^{20} 1.505 C_3Cl_4 M_r 177.84 [6262-42-6]		1 g 16. —	5 g 67. —
	1,1,2,2-Tetrachloroethane (Acetylene tetrachloride) 6.1/12c $CHCl_2CHCl_2$ $C_2H_2Cl_4$ M_r 167.85 [79-34-5]			
86960	purum >98%(GC); B.P. 144-146°; d_4^{20} 1.597; n_D^{20} 1.494	1 lt ≈ 1.60 kg	250 ml 9. —	1 lt 30. —
86962	pract. ~97%(GC); B.P. 142-146°; d_4^{20} 1.597; n_D^{20} 1.495	1 lt ≈ 1.60 kg	1 lt 12. —	2.5 lt 26. —
	Tetrachloroethylene (Perchloroethylene) 6.1/61 $CCl_2:CCl_2$ C_2Cl_4 M_r 165.83 [127-18-4]			
86970	for IR-Spectroscopy (with Fluka-Guarantee)	1 lt ≈ 1.62 kg	500 ml 16. —	1 lt 30. —
86972	purum >99%(GC); stab. with 0.01% Trimethylamine; B.P. 119-121°; d_4^{20} 1.622; n_D^{20} 1.505	1 lt ≈ 1.62 kg	1 lt 13. —	2.5 lt 29. —
87040	2,3,4,5-Tetrachloronitrobenzene pract. >98%(HPLC); M.P. 60-66° 6.1/21k $Cl_4C_6HNO_2$ $C_6HCl_4NO_2$ M_r 260.89 [879-39-0]		10 g 13. —	50 g 55. —
87045	2,3,5,6-Tetrachloronitrobenzene purum >98%(Cl); M.P. 97-100° 6.1/21k $NO_2C_6HCl_4$ $C_6HCl_4NO_2$ M_r 260.89 [117-18-0]		25 g 18. —	100 g 65. —
87053	2,3,4,5-Tetrachlorophenol purum >98%(HPLC); M.P. 113-115° 6.1/23 HOC_6HCl_4 $C_6H_2Cl_4O$ M_r 231.89 [4901-51-3]		10 g 25. —	50 g 105. —
87050	2,3,4,6-Tetrachlorophenol techn. ~85%(HPLC); M.P. 60-65° ("Dowicide 6''®") 6.1/23 HOC_6HCl_4 $C_6H_2Cl_4O$ M_r 231.89 [58-90-2]		250 g 8. —	1 kg 25. —
87055	2,3,5,6-Tetrachlorophenol purum >98%(HPLC); M.P. 112-115° 6.1/23 HOC_6HCl_4 $C_6H_2Cl_4O$ M_r 231.89 [935-95-5]		5 g 20. —	25 g 85. —
87070	Tetrachlorophthalic anhydride purum >97%(Cl); M.P. 255-257° Cl_4C_6COOCO $C_8Cl_4O_3$ M_r 285.90 [117-08-8]		250 g 9. —	1 kg 30. —
	Tetrachlorosilane see 85370 Silicon tetrachloride			
	3,4,5,6-Tetrachloro-2',4',5',7'-tetraiodofluorescein Disodium salt see 11950 Bengal Rose B			
	2,6,α,α-Tetrachlorotoluene (2,6-Dichlorobenzal chloride; 1,3-Dichloro-2-dichloromethylbenzene) 6.1/61 $Cl_2C_6H_3CHCl_2$ $C_7H_4Cl_4$ M_r 229.92 [81-19-6]			
35246	techn. ~85%(GC); B.P. 124-126° (Lit.)	1 lt ≈ 1.52 kg	100 ml 30. —	
87085	α,α,α',α'-Tetrachloro-o-xylene pract. ~95%(GC); M.P. 88-89° $C_6H_4(CHCl_2)_2$ $C_8H_6Cl_4$ M_r 243.95 [25641-99-0]		50 g 29. —	
87087	Tetracontane purum M.P. 79-81° $CH_3(CH_2)_{38}CH_3$ $C_{40}H_{82}$ M_r 563.10 [4187-95-7]		1 g 20. —	5 g 85. —
87090	Tetracosane purum >99%(GC); M.P. 49-51° (Alkane C_{24}) $CH_3(CH_2)_{22}CH_3$ $C_{24}H_{50}$ M_r 338.67 [646-31-1]		10 g 10. —	50 g 37. —
	Tetracosanoic acid (Carboxylic acid C_{24} ; Lignoceric acid) $CH_3(CH_2)_{22}COOH$ $C_{24}H_{48}O_2$ M_r 368.65 [557-59-5]			
87110	puriss. synth., >99%(GC); M.P. 82-84°		1 g 30. —	5 g 125. —
87100	1-Tetracosanol purum >98%(GC); M.P. 75-77° (Alcohol C_{24} ; Lignoceryl alcohol) $CH_3(CH_2)_{23}OH$ $C_{24}H_{50}O$ M_r 354.66 [506-51-4]		250 mg 63. —	1 g 225. —
	Tetracyanoethylene (Percyanoethylene; TCNE) 6.1/21 $(NC)_2C:C(CN)_2$ C_6N_4 M_r 128.09 [670-54-2]			
87120	purum >97%(T); M.P. 198-200°; store in refrigerator; Reactions with Polyenen: K. H. Pfoertner, Helv. Chim. Acta 58, 833 (1975)	10 g 28. —	50 g 120. —	250 g 495. —
87121	Tetracyanoethylene oxide purum; store in refrigerator (TCNEO) 6.1/21 $(NC)_2COC(CN)_2$ C_6N_4O M_r 144.09 [3189-43-3]		1 g 10. —	5 g 42. —
	7,7,8,8-Tetracyanoquinodimethane (TCNQ) 6.1/21 $C_{12}H_4N_4$ M_r 204.19 [1518-16-7]			
87126	purum >98%(N); M.P. ~290° dec.; "Formation of charge-transfer complexes"; J. Ferraris et al., J. Am. Chem. Soc. 95, 948 (1973)	1 g 10. —	5 g 42. —	25 g 175. —
	Tetracycline $C_{22}H_{24}N_2O_8$ M_r 444.43 [60-54-8]			
87128	purum >98%(NT); M.P. 172-174° dec.; $[\alpha]_D^{20} -270 \pm 2^\circ$; $[\alpha]_D^{20} -220 \pm 2^\circ$ (c = 1 in Methanol)		25 g 13. —	100 g 45. —

			sFr.	sFr.
87131	Tetracyclohexyl tin pract. >95%(Sn); store in refrigerator (Tin tetracyclohexyl) 6.1/81f $[\text{CH}_2(\text{CH}_2)_4\text{CH}]_4\text{Sn}$ $\text{C}_{24}\text{H}_{44}\text{Sn}$ M_r 451.31 [1449-55-4]		1 g 30. —	
87136	1,3-Tetradecadiene pract. B.P. 262°; d_4^{20} 0.781; n_D^{20} 1.445 $\text{CH}_3(\text{CH}_2)_9\text{CH}:\text{CHCH}:\text{CH}_2$ $\text{C}_{14}\text{H}_{26}$ M_r 194.34 [39669-92-6]	1 lt ≈ 0.78 kg	10 ml 12. —	50 ml 50. —
77273	Tetradecafluorohexane (Perfluorohexane) $\text{CF}_3(\text{CF}_2)_4\text{CF}_3$ C_6F_{14} M_r 338.04 [355-42-0] purum Mixture of Isomers; B.P. 54-58°; d_4^{20} 1.684; contains ~85% Perfluoro-n-hexane	1 lt ≈ 1.68 kg	10 ml 22. —	50 ml 90. —
87139	Tetradecane olefin free (Alkane C_{14}) 100° $\text{CH}_3(\text{CH}_2)_{12}\text{CH}_3$ $\text{C}_{14}\text{H}_{30}$ M_r 198.40 [629-59-4] puriss. Standard for GC; >99.5%(GC)	1 lt ≈ 0.76 kg	5 ml 21. —	25 ml 90. —
87140	puriss. >99%(GC); M.P. 6-8°; B.P. 252-254°; d_4^{20} 0.762; n_D^{20} 1.429	1 lt ≈ 0.76 kg	50 ml 11. —	250 ml 46. —
87150	Tetradecanedioic acid (Dicarboxylic acid C_{14} ; Dodecanedicarboxylic acid) $\text{HOOC}(\text{CH}_2)_{12}\text{COOH}$ $\text{C}_{14}\text{H}_{26}\text{O}_4$ M_r 258.36 [821-38-5] purum >99%(GC); M.P. 124-127°; 1 g clearly and colourless soluble in 10 ml Methanol		5 g 17. —	25 g 70. —
	Tetradecanoic acid see 70079 Myristic acid			
87160	1-Tetradecanol purum >98%(GC); M.P. 38-39° (Alcohol C_{14} ; Myristyl alcohol) $\text{CH}_3(\text{CH}_2)_{13}\text{OH}$ $\text{C}_{14}\text{H}_{30}\text{O}$ M_r 214.39 [112-72-1]		250 g 8. —	1 kg 22. —
87189	1-Tetradecene $\text{CH}_3(\text{CH}_2)_{11}\text{CH}:\text{CH}_2$ $\text{C}_{14}\text{H}_{28}$ M_r 196.38 [1120-36-1] puriss. >99%(GC); M.P. -11--8°; B.P. 251° (Lit.); d_4^{20} 0.771; n_D^{20} 1.436	1 lt ≈ 0.77 kg	50 ml 20. —	250 ml 85. —
87190	pract. ~90%(GC); >92% n-α-Olefine; >98% mono-Olefine; <1.5% saturated compounds; >96% C_{14} -Hydrocarbons	1 lt ≈ 0.77 kg	1 lt 10. —	5 lt 35. —
87195	7-Tetradecene (cis + trans) purum >97%(GC); d_4^{20} 0.771; n_D^{20} 1.438 $\text{CH}_3(\text{CH}_2)_5\text{CH}:\text{CH}(\text{CH}_2)_5\text{CH}_3$ $\text{C}_{14}\text{H}_{28}$ M_r 196.38 [10374-74-0]	1 lt ≈ 0.77 kg	25 ml 20. —	100 ml 70. —
87200	Tetradecylamine (Amine C_{14} ; 1-Aminotetradecane; Myristylamine) $\text{CH}_3(\text{CH}_2)_{13}\text{NH}_2$ $\text{C}_{14}\text{H}_{31}\text{N}$ M_r 213.41 [2016-42-4] purum M.P. 36-38°; B.P. 109-111°; 1 g clearly and colourless soluble in 10 ml Methanol		250 g 26. —	1 kg 95. —
	Tetra decylammonium bromide see 87580 Tetrakis-(decyl)-ammonium bromide			
	Tetradecyl bromide see 18390 1-Bromotetradecane			
	Tetradecyl fluoride see 47505 1-Fluorotetradecane			
	Tetradeteroacetic acid see 87230 Acetic acid- d_4			
	Tetradeteromalonic acid see 87240 Malonic acid- d_4			
	Tetradeteromethanol see 87242 Methanol- d_4			
87249	Tetradodecylammonium bromide (Tetralaurylammonium bromide) $[\text{CH}_3(\text{CH}_2)_{10}\text{CH}_2]_4\text{N}(\text{Br})$ $\text{C}_{46}\text{H}_{100}\text{BrN}$ M_r 771.25 [14866-34-3] purum >99%(Br); M.P. 91-92°; H_2O <0.5%		5 g 20. —	25 g 85. —
87251	Tetradodecylammonium perchlorate purum M.P. 116-120° $[\text{CH}_3(\text{CH}_2)_{10}\text{CH}_2]_4\text{N}(\text{ClO}_4)$ $\text{C}_{46}\text{H}_{100}\text{ClNO}_4$ M_r 790.79 [45321-39-9]		5 g 32. —	25 g 135. —
87250	Tetradodecyl tin (Tetralauryl tin; Tin tetradodecyl) 6.1/81f $[\text{CH}_3(\text{CH}_2)_{11}]_4\text{Sn}$ $\text{C}_{46}\text{H}_{100}\text{Sn}$ M_r 796.02 [5827-56-5] pract. M.P. -16--14°; store in refrigerator	1 lt ≈ 0.80 kg	5 ml 29. —	25 ml 120. —
86570	1,1,3,3-Tetraethoxypropane (Malonaldehyde tetraethyl acetal) 3/4; 88° $(\text{C}_2\text{H}_5\text{O})_2\text{CHCH}_2\text{CH}(\text{OC}_2\text{H}_5)_2$ $\text{C}_{11}\text{H}_{24}\text{O}_4$ M_r 220.31 [122-31-6] pract. >95%(GC); d_4^{20} 0.918; n_D^{20} 1.411	1 lt ≈ 0.92 kg	100 ml 15. —	500 ml 63. —
86580	Tetraethoxysilane (Tetraethyl orthosilicate) 3/3; 38° $\text{Si}(\text{OC}_2\text{H}_5)_4$ $\text{C}_8\text{H}_{20}\text{O}_4\text{Si}$ M_r 208.33 [78-10-4] purum >98%(GC); B.P. 166-169°; d_4^{20} 0.933; n_D^{20} 1.383	1 lt ≈ 0.93 kg	250 ml 10. —	1 lt 35. —

					sFr.	sFr.
Tetraethylammonium acetate Tetrahydrate						
		(C ₂ H ₅) ₄ N(OCOCH ₃).4H ₂ O	C ₁₀ H ₂₃ NO ₂ .4H ₂ O	M _r 261.36 [1185-59-7]		
86607	purum >99%(NT); M.P. 43-45°; For the epimerization of hydroxyl groups: L. Fieser, M. Fieser, "Reagents for Organic Synthesis", 1, 1136; 2, 397; 3, 277; for an improved OsO ₄ -catalysed hydroxylation of alkenes: K. Akashi et al., J. Org. Chem. 43, 2063 (1978)				10 g 17.—	50 g 60.—
86600	Tetraethylammonium borohydride, TEAB pract. >95%(T)				5 g 29.—	25 g 120.—
	8/31a	(C ₂ H ₅) ₄ N(BH ₄)	C ₈ H ₂₄ BN	M _r 145.10 [17083-85-1]		
Tetraethylammonium bromide						
		(C ₂ H ₅) ₄ N(Br)	C ₈ H ₂₀ BrN	M _r 210.16 [71-91-0]		
86612	puriss. >99%(Br); M.P. 280-290° dec.				100 g 35.—	500 g 145.—
86610	purum >98%(Br); M.P. ~300° dec.				250 g 17.—	1 kg 60.—
86611	Tetraethylammonium chloride purum ~90%(Cl); water ~10%				50 g 16.—	250 g 67.—
		(C ₂ H ₅) ₄ N(Cl)	C ₈ H ₂₀ ClN	M _r 165.70 [56-34-8]		
Tetraethylammonium cyanate						
	6.1/21	(C ₂ H ₅) ₄ N(OCN)	C ₉ H ₂₀ N ₂ O	M _r 172.27 [18218-04-7]		
86609	pract. M.P. ~270-280° dec.; light sensitive; very hygroscopic				5 g 26.—	25 g 110.—
Tetraethylammonium cyanide						
	6.1/31c	(C ₂ H ₅) ₄ N(CN)	C ₉ H ₂₀ N ₂	M _r 156.27 [13435-20-6]		
86613	pract. >95%(NT); M.P. ~250° dec.; light sensitive; very hygroscopic; Reagent for the synthesis of nitriles: H. Kobler et al., Liebigs Ann. Chem. 1946 (1978)				5 g 26.—	25 g 110.—
86615	Tetraethylammonium fluoride Dihydrate purum >97%(NT); very hygroscopic				5 g 21.—	25 g 90.—
		(C ₂ H ₅) ₄ N(F).2H ₂ O	C ₈ H ₂₀ FN.2H ₂ O	M _r 185.28 [665-46-3]		
Tetraethylammonium hexafluorophosphate						
		(C ₂ H ₅) ₄ N(PO ₄ F ₆)	C ₈ H ₂₀ F ₆ NO ₄ P	M _r 339.22 [16871-79-7]		
86627	purum >98%(T); M.P. >300°; Supporting electrolyte				25 g 35.—	100 g 130.—
Tetraethylammonium hydrogensulfate						
		(C ₂ H ₅) ₄ N(HSO ₄)	C ₈ H ₂₁ NO ₄ S	M _r 227.33 [16873-13-5]		
86629	puriss. >99%(T); M.P. 241-242°; H ₂ O <0.5%				25 g 24.—	100 g 90.—
86628	purum >98%(T); M.P. 239-241° dec.; H ₂ O <2%				50 g 24.—	250 g 100.—
Tetraethylammonium hydroxide						
	8/32	(C ₂ H ₅) ₄ N(OH)	C ₈ H ₂₁ NO	M _r 147.26 [77-98-5]		
86631	purum 25% in Methanol (~1.5 m/lit)			1 lt ≈ 0.88 kg	100 ml 14.—	500 ml 60.—
86630	pract. >20% in water; d ₄ ²⁰ 1.018			1 lt ≈ 1.02 kg	100 ml 12.—	500 ml 50.—
86632	pract. 40% in water (~2.7 m/lit)			1 lt ≈ 0.99 kg	100 ml 18.—	500 ml 75.—
86640	Tetraethylammonium iodide puriss. ~99%(I); M.P. ~320° dec.; H ₂ O <1%				100 g 22.—	500 g 90.—
		(C ₂ H ₅) ₄ N(I)	C ₈ H ₂₀ IN	M _r 257.17 [68-05-3]		
86645	Tetraethylammonium nitrate purum >99%(NT); M.P. ~280° dec.; H ₂ O <1%				10 g 25.—	50 g 105.—
	4.1/2	(C ₂ H ₅) ₄ N(NO ₃)	C ₈ H ₂₀ N ₂ O ₃	M _r 192.26 [1941-26-0]		
86649	Tetraethylammonium perchlorate purum >99%(T)				25 g 18.—	100 g 65.—
	5.1/4b	(C ₂ H ₅) ₄ N(ClO ₄)	C ₈ H ₂₀ ClNO ₄	M _r 229.71 [2567-83-1]		
Tetraethylammonium (meta)periodate						
	5.1/9a	(C ₂ H ₅) ₄ N(IO ₄)	C ₈ H ₂₀ INO ₄	M _r 321.16		
86652	purum >98%(RT; dry); M.P. 176-177°; moistened with ~10% H ₂ O; For oxidations in chloroform solutions: A. K. Qureshi, B. Sklarz, J. Chem. Soc. (C) 412 (1966); for the oxidation of hydroxamic acids: J. E. T. Corrie, G. W. Kirby, R. P. Sharma, Chem. Commun. 915 (1975); G. E. Keck, Tetrahedron Lett. 4767 (1978)				10 g 20.—	50 g 85.—
Tetraethylammonium rhodanide (Tetraethylammonium thiocyanate)						
		(C ₂ H ₅) ₄ NSCN	C ₈ H ₂₀ N ₂ S	M _r 188.34 [4587-19-3]		
86648	purum >99%(T); Ash <0.5%				25 g 35.—	100 g 130.—
Tetraethylammonium tetrafluoroborate						
		(C ₂ H ₅) ₄ N(BF ₄)	C ₈ H ₂₀ BF ₄ N	M _r 217.06 [429-06-1]		
86619	puriss. M.P. >300°				5 g 20.—	25 g 85.—
86620	purum				25 g 35.—	100 g 130.—

			sFr.	sFr.
86650	Tetraethylammonium (toluene-4-sulfonate) purum >98% (T); M.P. 98-100°; H ₂ O <2% (C ₂ H ₅) ₄ N(CH ₃ C ₆ H ₄ SO ₃) C ₁₆ H ₂₇ NO ₃ S M _r 301.45 [733-44-8]		25 g 17. —	100 g 60. —
	Tetraethylammonium trifluoromethanesulfonate (C ₂ H ₅) ₄ N(CF ₃ SO ₃) C ₉ H ₂₀ F ₃ NO ₃ S M _r 279.32 [35895-69-3]			
86651	purum; "non-oxidizing supporting electrolyte"; K. Rosseau, C. G. Farrington, D. Dolphin, J. Org. Chem. 37, 3968 (1972)		5 g 26. —	25 g 110. —
	Tetraethylene glycol [Bis[2-(2-hydroxyethoxy)ethyl]ether; Tetraglycol] HO(CH ₂ CH ₂ O) ₃ CH ₂ CH ₂ OH C ₆ H ₁₈ O ₅ M _r 194.23 [112-60-7]			
86660	puriss. >99% (GC); B.P. _{0.1} 155-157°; d ₄ ²⁰ 1.124; n _D ²⁰ 1.459; H ₂ O <0.1%	1 lt ≈ 1.12 kg	100 ml 12. —	500 ml 50. —
86662	pract. d ₄ ²⁰ 1.124; n _D ²⁰ 1.459; H ₂ O <0.3%	1 lt ≈ 1.12 kg	1 lt 14. —	5 lt 60. —
	Tetraethylene glycol bis(8-quinolyl) ether [1,11-Bis(8-quinolyl)-3,6,9-trioxaundecane] C ₂₆ H ₂₆ N ₂ O ₅ M _r 448.52 [57310-75-5]			
86670	purum >98% (NT); M.P. 69-70°; A new open-chain oligoethylene glycol ether with excellent complexing properties: B. Tommler, G. Mass, E. Weber, W. Wehner, F. Vögtle, J. Am. Chem. Soc. 99, 4683 (1977)		5 g 29. —	25 g 120. —
	Tetraethylene glycol dimethacrylate O[CH ₂ CH ₂ OCH ₂ CH ₂ OCOC(CH ₃):CH ₂] ₂ C ₁₆ H ₂₆ O ₇ M _r 330.38 [109-17-1]			
86680	techn. ~75-85% (GC); stab. with 0.006% Hydroquinone; d ₄ ²⁰ 1.082; n _D ²⁰ 1.463; store in refrigerator	1 lt ≈ 1.08 kg	100 ml 14. —	500 ml 60. —
	Tetraethylene glycol dimethyl ether [Bis[2-(2-methoxyethoxy)ethyl]ether; Dimethyltetraglycol; Tetraglyme] CH ₃ O(CH ₂ CH ₂ O) ₄ CH ₃ C ₁₀ H ₂₂ O ₅ M _r 222.28 [143-24-8]			
86690	purum >98% (GC); B.P. 270-275°; d ₄ ²⁰ 1.011; n _D ²⁰ 1.432	1 lt ≈ 1.01 kg	100 ml 10. —	500 ml 40. —
86700	Tetraethylenepentamine techn. ~85% (NT); n _D ²⁰ 1.505 8/35 (NH ₂ CH ₂ CH ₂ NHCH ₂ CH ₂) ₂ NH C ₈ H ₂₃ N ₅ M _r 189.31 [112-57-2]	1 lt ≈ 0.99 kg	250 ml 7. —	1 lt 20. —
	N,N,N',N'-Tetraethylethylenediamine [1,2-Bis(diethylamino)ethane] 8/35; 58° (C ₂ H ₅) ₂ NCH ₂ CH ₂ N(C ₂ H ₅) ₂ C ₁₀ H ₂₄ N ₂ M _r 172.32 [150-77-6]			
86590	pract. >99% (GC); B.P. ₁₀ 70-72° (Lit.); d ₄ ²⁰ 0.800; n _D ²⁰ 1.434	1 lt ≈ 0.80 kg	10 ml 11. —	50 ml 46. —
03930	Tetraethyl ethylenetetracarboxylate purum ~98% (GC); M.P. 54-56° (C ₂ H ₅ OOCC) ₂ C:C(COOC ₂ H ₅) ₂ C ₁₄ H ₂₀ O ₈ M _r 316.31 [6174-95-4]		10 g 30. —	50 g 125. —
	Tetraethyl orthocarbonate 3/3; 32° C(OC ₂ H ₅) ₄ C ₉ H ₂₀ O ₄ M _r 192.26 [78-09-1]			
75585	purum >98% (GC); B.P. 158-161°; d ₄ ²⁰ 0.915; n _D ²⁰ 1.393; store in refrigerator	1 lt ≈ 0.92 kg	5 ml 18. —	25 ml 75. —
	Tetraethyl orthosilicate see 86580 Tetraethoxysilane			
	Tetraethyl orthotitanate Ti(OC ₂ H ₅) ₄ C ₈ H ₂₀ O ₄ Ti M _r 228.15			
86710	4.1/11 purum >97% (UV); B.P. _{0.1} 110-115°; store in refrigerator	1 lt ≈ 1.10 kg	50 ml 40. —	
86712	3/3 pract.	1 lt ≈ 1.10 kg	100 ml 13. —	500 ml 55. —
	Tetraethylrhodamine see 83690 Rhodamine B			
86715	Tetraethylsilane pract. ~90-95% (GC); d ₄ ²⁰ 0.769; n _D ²⁰ 1.427 (C ₂ H ₅) ₄ Si C ₈ H ₂₀ Si M _r 144.33 [631-36-7]	1 lt ≈ 0.77 kg	5 ml 17. —	25 ml 70. —
	Tetraethylthiuram disulfide [Bis(diethylthiocarbamoyl)disulfide] (C ₂ H ₅) ₂ NCSS ₂ CSN(C ₂ H ₅) ₂ C ₁₀ H ₂₀ N ₂ S ₄ M _r 296.54 [97-77-8]			
86720	purum >98% (S); M.P. 69-71°		250 g 13. —	1 kg 45. —
87270	2,3,5,6-Tetrafluoroaniline purum M.P. 25-28°; B.P. 158-159° (Lit.); store in refrigerator 6.1/21 C ₆ HF ₄ NH ₂ C ₆ H ₃ F ₄ N M _r 165.09 [700-17-4]		5 g 40. —	
	Tetrafluoroboric acid see 15590 Fluoroboric acid			
	Tetraglycine (Glycyl-glycyl-glycyl-glycine; Triglycyl-glycine) NH ₂ CH ₂ CO(NHCH ₂ CO) ₃ OH C ₈ H ₁₄ N ₄ O ₆ M _r 246.22 [637-84-3]			
87300	puriss. CHR; ~99% (N); M.P. 265-275° dec.		250 mg 22. —	1 g 80. —

			sFr.	sFr.
	Tetraglycol see 86660 Tetraethylene glycol			
	Tetraglyme see 86690 Tetraethylene glycol dimethyl ether			
87301	Tetraheptylammonium bromide purum >99% (Br); M.P. 87-89° [CH ₃ (CH ₂) ₆ CH ₂] ₄ N(Br) C ₂₈ H ₆₀ BrN M _r 490.71 [4368-51-8]		10 g 18. —	50 g 75. —
87302	Tetrahexylammonium bromide purum >99% (Br); M.P. 90-91° [CH ₃ (CH ₂) ₅ CH ₂] ₄ N(Br) C ₂₄ H ₅₂ BrN M _r 434.60 [4328-13-6]		10 g 18. —	50 g 75. —
87305	Tetrahexylammonium chloride purum >99% (Cl) [CH ₃ (CH ₂) ₅ CH ₂] ₄ N(Cl) C ₂₄ H ₅₂ ClN M _r 390.15 [5922-92-9]		5 g 20. —	25 g 85. —
87303	Tetrahexylammonium hydrogensulfate purum ~98% (T) [CH ₃ (CH ₂) ₅ CH ₂] ₄ N(HSO ₄) C ₂₄ H ₅₃ NO ₄ S M _r 451.76 [32503-34-7]		5 g 24. —	25 g 100. —
87307	Tetrahexylammonium iodide puriss. >99% (I); M.P. 99-101° [CH ₃ (CH ₂) ₅ CH ₂] ₄ N(I) C ₂₄ H ₅₂ IN M _r 481.60 [2138-24-1]		10 g 20. —	50 g 85. —
87310	Tetrahexylammonium perchlorate purum M.P. 103-105° [CH ₃ (CH ₂) ₅ CH ₂] ₄ N(ClO ₄) C ₂₄ H ₅₂ ClNO ₄ M _r 394.14 [4656-81-9]		5 g 20. —	25 g 85. —
	1,2,3,6-Tetrahydrobenzaldehyde (1,2,5,6) (3-Cyclohexene-1-carboxaldehyde; 3/3; 47° 4-Formyl-1-cyclohexene) CH ₂ CH ₂ CH:CHCH ₂ CHCHO C ₇ H ₁₀ O M _r 110.16 [100-50-5]			
87320	purum >98% (GC); d ₄ ²⁰ 0.97	1 lt ≈ 0.97 kg	250 ml 10. —	1 lt 35. —
	Tetrahydrobenzene see 29230 Cyclohexene			
	6,7,8,9-Tetrahydro-5-benzocycloheptenone see 12796 1-Benzosuberone			
	1,2,3,6-Tetrahydrobenzoic acid see 29250 3-Cyclohexene-1-carboxylic acid			
87330	1,2,3,4-Tetrahydrocarbazole purum >97%; M.P. 113-116° (2,3-Tetramethyleneindole) C ₁₂ H ₁₃ N M _r 171.24 [942-01-8]		100 g 20. —	
	Tetrahydrocitronellene [R(—)-2,6-Dimethyloctane] 3/3; 34° (CH ₃) ₂ CHCH ₂ CH ₂ CH ₂ CH(CH ₃)CH ₂ CH ₃ C ₁₀ H ₂₂ M _r 142.29 [2051-30-1]			
87353	purum >99% (GC); B.P. 158-159°; d ₄ ²⁰ 0.728; n _D ²⁰ 1.411; [α] _D ²⁰ —5.0±0.5°; [α] _D ²⁰ —4.4±0.5°	1 lt ≈ 0.73 kg	5 ml 26. —	25 ml 110. —
	Tetrahydro-o-, m- and p-cresol see 66380, 66390 and 66400 2-, 3- and 4-Methylcyclohexanone			
	L-Tetrahydrofolic acid dihydrochloride Monohydrate (L-5,6,7,8-Tetrahydropteroyl-L-glutamic acid dihydrochloride Monohydrate) C ₁₉ H ₂₃ N ₇ O ₆ ·2HCl·H ₂ O M _r 536.38 [135-16-0]			
87335	puriss. >99% (N)		50 mg 21. —	
	Tetrahydrofuran 3/5; -20° Q(CH ₂) ₃ CH ₂ C ₄ H ₈ O M _r 72.11 [109-99-9]			
87367	for HPLC; B.P. 67°; n _D ²⁰ 1.407; UV cut-off 220 nm; solvent strength ε (Al ₂ O ₃) 0.29; H ₂ O <0.05%	500 ml 24. —	1 lt 45. —	2.5 lt 100. —
87368	puriss. p.a. abs. stab. with 0.025% 2,6-Di-tert-butyl-p-cresol	1 lt ≈ 0.89 kg	250 ml 8. —	1 lt 25. —
	Fluka-Guarantee:			
	Assay (GC)	>99.5 %	Potassium (K)	<0.000005%
	Water (H ₂ O)	<0.1 %	Sodium (Na)	<0.000005%
	Residue on evaporation	<0.001 %	Iron (Fe)	<0.000005%
	Acid value (mgKOH/g)	<0.005 %	Copper (Cu)	<0.000005%
	Peroxide (as H ₂ O ₂)	<0.005 %	Lead (Pb)	<0.000005%
	Calcium (Ca)	<0.00005 %	Cadmium (Cd)	<0.000005%
	Chromium (Cr)	<0.000005%	Zinc (Zn)	<0.000005%
	Manganese (Mn)	<0.000005%		
87370	purum stab. with 0.025% 2,6-Di-tert-butyl-p-cresol; >99% (GC); B.P. 65-67°; d ₄ ²⁰ 0.887; n _D ²⁰ 1.407	1 lt ≈ 0.89 kg	1 lt 20. —	2.5 lt 46. —
			5 lt 85. —	
87362	Tetrahydrofuran-2,3,4,5-tetracarboxylic acid purum >98% (T) Q(CHCOOH) ₃ CHCOOH C ₈ H ₆ O ₈ M _r 248.15 [26106-63-8]		250 g 12. —	1 kg 40. —
87363	Tetrahydrofuran-2,3,4,5-tetracarboxylic acid dianhydride purum C ₈ H ₄ O ₅ M _r 212.11 [25574-69-0]		250 g 14. —	1 kg 50. —
	Tetrahydrofurfuryl alcohol 3/4; 75° Q(CH ₂) ₃ CHCH ₂ OH C ₅ H ₁₀ O ₂ M _r 102.14 [97-99-4]			
87380	purum >99% (GC); B.P. 65-67°; d ₄ ²⁰ 1.051; n _D ²⁰ 1.452	1 lt ≈ 1.05 kg	250 ml 8. —	1 lt 22. —



				sFr.	sFr.
87400	Tetrahydrofurfurylamine [2-(Aminomethyl)tetrahydrofuran] 8/35; 43° $\text{O}(\text{CH}_2)_2\text{CHCH}_2\text{NH}_2$ $\text{C}_5\text{H}_{11}\text{NO}$ M_r 101.15 [4795-29-3] pract. >97% (GC); B.P. 153-155° (Lit.); d_4^{20} 0.977; n_D^{20} 1.454	1 lt ≈ 0.98 kg	100 ml 9. —	500 ml 34. —	
87420	Tetrahydrofurfuryl chloride [2-(Chloromethyl)tetrahydrofuran] 3/3; 45° $\text{O}(\text{CH}_2)_2\text{CHCH}_2\text{Cl}$ $\text{C}_5\text{H}_9\text{ClO}$ M_r 120.58 [3003-84-7] pures. >99% (GC); B.P. 41-43°; d_4^{20} 1.111; n_D^{20} 1.457	1 lt ≈ 1.11 kg	25 ml 23. —	100 ml 85. —	
87390	2 + 3-(Tetrahydrofurfuryloxy)tetrahydropyran ("T-Solvent") 3/4; 98° $\text{O}(\text{CH}_2)_2\text{CHOCH}_2\text{CH}(\text{CH}_2)_2\text{O}$ $\text{C}_{10}\text{H}_{18}\text{O}_3$ M_r 186.25 [710-14-5] pract. ~97% (GC); B.P. 235-238°; d_4^{20} 1.05; n_D^{20} 1.465; Solvent for LiAlH_4 -Reduction	1 lt ≈ 1.05 kg	25 ml 14. —	100 ml 50. —	
87430	1,2,3,4-Tetrahydroisoquinoline $\text{C}_9\text{H}_9\text{CH}_2\text{NHCH}_2\text{CH}_2$ $\text{C}_9\text{H}_{11}\text{N}$ M_r 133.20 [91-21-4] pract. >98% (GC); B.P. 234° (Lit.); d_4^{20} 1.046; n_D^{20} 1.567	1 lt ≈ 1.05 kg	50 ml 21. —	250 ml 90. —	
87450	1,2,3,4-Tetrahydronaphthalene (Tetralin) 3/4; 75° $\text{C}_{10}\text{H}_8(\text{CH}_2)_2\text{CH}_2$ $\text{C}_{12}\text{H}_{12}$ M_r 132.21 [119-64-2] purum >97% (GC); B.P. 80-82°; d_4^{20} 0.967; n_D^{20} 1.540	1 lt ≈ 0.97 kg	1 lt 16. —	2.5 lt 35. —	
	1,2,3,4-Tetrahydro-1-naphthol see 87650 α -Tetralol				
	Tetrahydro-1,4-oxazine see 69680 Morpholine				
87460	cis-1,2,3,6-Tetrahydrophthalic anhydride (cis-4-Cyclohexene-1,2-dicarboxylic acid anhydride) $\text{C}_8\text{H}_8\text{O}_3$ M_r 152.15 [935-79-5] pract. >97% (T); M.P. 98-101°		500 g 11. —	2.5 kg 46. —	
87453	cis-1,2,3,6-Tetrahydrophthalimide (cis-4-Cyclohexene-1,2-dicarboximide) 6.1/21 $\text{C}_8\text{H}_8\text{NO}_2$ M_r 151.17 [1469-48-3] purum M.P. 135-137°		250 g 17. —	1 kg 60. —	
87465	5,6,7,8-Tetrahydropterine sulfate purum $\text{C}_8\text{H}_8\text{N}_2\text{O}_4\text{H}_2\text{SO}_4$ M_r 283.26 [20350-44-1]		100 mg 50. —		
	L-5,6,7,8-Tetrahydropteroyl-L-glutamic acid dihydrochloride Monohydrate see 87355 L-Tetrahydrofolic acid dihydrochloride Monohydrate				
87470	Tetrahydropyran (Pentamethylene oxide) 3/5; -20° $\text{O}(\text{CH}_2)_5\text{CH}_2$ $\text{C}_5\text{H}_{10}\text{O}$ M_r 86.14 [142-68-7] purum >99% (GC); B.P. 87-89°; d_4^{20} 0.884; n_D^{20} 1.420; H_2O <0.5%	1 lt ≈ 0.88 kg	100 ml 12. —	500 ml 50. —	
	Tetrahydropyran-2-methanol see 55870 2-(Hydroxymethyl)tetrahydropyran				
87474	Tetrahydro-2H-pyran-4-ol $\text{OCH}_2\text{CH}_2\text{CH}(\text{OH})\text{CH}_2\text{CH}_2$ $\text{C}_5\text{H}_{10}\text{O}_2$ M_r 102.14 [2081-44-9] pract. ~95% (GC); B.P. 86-87°; d_4^{20} 1.074; n_D^{20} 1.462	1 lt ≈ 1.07 kg	5 ml 26. —	25 ml 110. —	
87475	Tetrahydro-4H-pyran-4-one $\text{OCH}_2\text{CH}_2\text{COCH}_2\text{CH}_2$ $\text{C}_5\text{H}_8\text{O}_2$ M_r 100.12 [29943-42-8] purum >98% (GC); d_4^{20} 1.085; n_D^{20} 1.452; Synthetic intermediate; e.g. for the preparation of the 4-methoxytetrahydropyran-4-yl protecting group: R. Arentzen, Y.T. Yan Kui, C.B. Reese, Synthesis 509 (1975)	1 lt ≈ 1.08 kg	1 ml 12. —	5 ml 50. —	
	2-Tetrahydropyran-2-yl carbinol see 55870 2-(Hydroxymethyl)tetrahydropyran				
87480	1,2,5,6-Tetrahydropyridine 3/5; 13° $\text{NHCH}_2\text{CHCHCH}_2\text{CH}_2$ $\text{C}_5\text{H}_9\text{N}$ M_r 83.14 [694-05-3] purum >98% (GC); B.P. 115-117°; d_4^{20} 0.912; n_D^{20} 1.480	1 lt ≈ 0.91 kg	25 ml 24. —	100 ml 90. —	
	Tetrahydropyrrole see 83240 Pyrrolidine				
87350	1,2,3,4-Tetrahydroquinoline $\text{C}_8\text{H}_9\text{NHCH}_2\text{CH}_2\text{CH}_2$ $\text{C}_9\text{H}_{11}\text{N}$ M_r 133.20 [635-46-1] pract. ~97% (GC); M.P. 9-14°; B.P. 113-117°; d_4^{20} 1.057; n_D^{20} 1.593	1 lt ≈ 1.06 kg	100 ml 20. —	500 ml 85. —	
87352	5,6,7,8-Tetrahydroquinoline purum $\text{C}_9\text{H}_{11}\text{N}$ M_r 133.20 [10500-57-9]	1 lt ≈ 1.03 kg	25 ml 17. —	100 ml 60. —	

			sFr.	sFr.
	Tetrahydrosilvan see 69272 2-Methyltetrahydrofuran			
	6,6a,7,11b-Tetrahydro-3,6a,9,10-tetrahydroxyindeno[2,1-c]chromene see 15860 Brasilin			
	Tetrahydrothiophene (Tetramethylene sulfide; Thiophane) 3/1a; 12° $\text{S}(\text{CH}_2)_3\text{CH}_2$ $\text{C}_4\text{H}_8\text{S}$ M_r 88.17 [110-01-0] pract. ~97%(GC); B.P. 116-119°; d_4^{20} 0.996; n_D^{20} 1.503			
87490		1 lt ≈ 1.00 kg	100 ml 7. —	500 ml 21. —
	Tetrahydrothiophene-1,1-dioxide see 86148 Sulfolane			
	Tetrahydro-4H-thiopyran-4-one $\text{SCH}_2\text{CH}_2\text{COCH}_2\text{CH}_2$ $\text{C}_5\text{H}_8\text{OS}$ M_r 116.19 [1072-72-6] puriss. >99.5%(GC); M.P. 61-62°; For the preparation of 4-Methoxy-3,6-dihydro-3H-thiapyran, a new protecting reagent for alcoholic hydrogen function: J. H. van Boom, P. van Deursen, J. Meeuwse, J. Chem. Soc. Chem. Commun. 766 (1972)			
87485			1 g 20. —	5 g 85. —
	1,2,3,4- and 1,2,3,6-Tetrahydrotoluene see 66440 and 66450 3- and 4-Methyl-1-cyclohexene			
	Tetrahydroxyadipic acid see 84660 Mucic acid			
	1,2,5,8-Tetrahydroxyanthraquinone see 22570 Quinalizarin			
	meso-1,2,3,4-Tetrahydroxybutane see 45670 meso-Erythritol			
	D(—)-1,3,4,5-Tetrahydroxycyclohexane-1-carboxylic acid see 22580 D(—)-Quinic acid			
	3,3',4',7'-Tetrahydroxyflavanone see 37290 Dihydrofisetin			
	3,3',4',7-Tetrahydroxyflavone see 46350 Fisetin			
	3,4',5,7-Tetrahydroxyflavone see 60010 Kaempferol			
	3,4',5,7-Tetrahydroxyflavylium chloride see 76320 Pelargonidine chloride			
	3,14,16,21-Tetrahydroxy-20,22-norcholenic acid lactone see 48940 Gitoxigenin			
	3β,12β,14,21-Tetrahydroxy-20,22-norcholenic acid lactone see 37090 Digoxigenin			
	Tetrahydroxyhexanedioic acid see 84660 Mucic acid			
87510	Tetrahydroxyquinone puriss. p.a. Ash <0.5%; Titration-Indicator for Ba and SO_4^{2-} $\text{COC(OH):C(OH)COC(OH):COH} \cdot 2\text{H}_2\text{O}$ $\text{C}_6\text{H}_4\text{O}_6 \cdot 2\text{H}_2\text{O}$ M_r 208.13 [5676-48-2]		1 g 9. —	5 g 32. —
	2',4',5',7'-Tetraiodofluorescein Disodium salt see 45690 Erythrosin extra bluish			
87530	Tetraiodomethane pract. >97%(I); M.P. ~165° dec.; store in refrigerator 6.1/62 Cl_4 M_r 519.63 [507-25-5]		10 g 30. —	50 g 125. —
	3,3',5,5'-Tetraiodo-L- and -D-thyronine see 89405 and 89410 L- and D-Thyroxine			
87540	Tetraiodothiophene purum 6.1/62 $\text{SCl}_2\text{ClCl}_2\text{Cl}$ $\text{C}_4\text{I}_4\text{S}$ M_r 587.73 [19259-11-1]		1 g 14. —	5 g 60. —
	Tetraisopropyl orthocarbonate 3/3; 52° $\text{C}[\text{OCH}(\text{CH}_3)_2]_4$ $\text{C}_{13}\text{H}_{28}\text{O}_4$ M_r 248.37 [36597-49-6] purum B.P. 190-191°; d_4^{20} 0.863; n_D^{20} 1.394; store in refrigerator			
75596		1 lt ≈ 0.86 kg	5 ml 15. —	25 ml 63. —
	Tetraisopropyl orthotitanate 3/1a; 12° $[(\text{CH}_3)_2\text{CHO}]_4\text{Ti}$ $\text{C}_{12}\text{H}_{28}\text{O}_4\text{Ti}$ M_r 284.26 pract. M.P. 14-17°; B.P. 1278° (Lit.); d_4^{20} 0.965; n_D^{20} 1.473			
87560		1 lt ≈ 0.98 kg	100 ml 11. —	500 ml 46. —
	Tetrakis(bromomethyl)methane see 76650 Pentaerythritol tetrabromide			
	2,2,5,5-Tetrakis(carboxymethylthio)-1,4-dithiane 6.1/81a $(\text{HOOCCH}_2\text{S})_2\text{CCH}_2\text{SC}(\text{SCH}_2\text{COOH})_2\text{CH}_2\text{S}$ $\text{C}_{12}\text{H}_{18}\text{O}_8\text{S}_6$ M_r 480.60 [52959-43-0] purum >99%(T); M.P. ~210° dec.; for the determination of carbohydrates and aromatic aldehydes: G. Kunovits, Anal. Chim. Acta 70, 213 (1974)			
87569			5 g 29. —	
	Tetrakis(decyl)ammonium bromide (Tetra-decylammonium bromide) $[\text{CH}_3(\text{CH}_2)_9]_4\text{N}(\text{Br})$ $\text{C}_{40}\text{H}_{84}\text{BrN}$ M_r 659.03 [14937-42-9] purum >99%(Br); M.P. 88-89°			
87580			10 g 30. —	50 g 125. —
87582	Tetrakis(decyl)ammonium perchlorate purum M.P. 122-124° $[\text{CH}_3(\text{CH}_2)_9]_4\text{N}(\text{ClO}_4)$ $\text{C}_{40}\text{H}_{84}\text{ClNO}_4$ M_r 678.54		5 g 26. —	25 g 110. —

			sFr.	sFr.
87620	Tetrakis(hydroxymethyl)phosphonium chloride pract. 80% in water (HOCH ₂) ₄ PCl C ₄ H ₁₂ ClO ₄ P M _r 190.57 [124-64-1]	1 lt ≈ 1.33 kg	100 ml 13. —	500 ml 55. —
	N,N,N',N'-Tetrakis(2-hydroxypropyl)ethylenediamine (Quadrol) [CH ₃ CH(OH)CH ₂] ₂ NCH ₂ CH ₂ N[CH ₂ CH(OH)CH ₃] ₂ C ₁₄ H ₃₂ N ₂ O ₄ M _r 292.42 [102-60-3]			
87640	pract. >98%(NT)	1 lt ≈ 1.03 kg	250 ml 9. —	1 lt 30. —
	Tetrakis(triphenylphosphine)palladium Pd[(C ₆ H ₅) ₃ P] ₄ C ₇₂ H ₆₀ P ₄ Pd M _r 1155.58 [14221-01-3]			
87645	purum 9.1% Pd; Review: B. M. Trost, Tetrahedron 33, 2615 (1977)		1 g 60. —	
87647	Tetrakis(triphenylphosphine)platinum purum 15.5% Pt Pt[(C ₆ H ₅) ₃ P] ₄ C ₇₂ H ₆₀ P ₄ Pt M _r 1244.27 [14221-02-4]		1 g 60. —	
	Tetralaurylammonium bromide see 87249 Tetradodecylammonium bromide			
	Tetralauryl tin see 87250 Tetradodecyltin			
	Tetralin see 87450 1,2,3,4-Tetrahydronaphthalene			
	α-Tetralol (1,2,3,4-Tetrahydro-1-naphthol) C ₆ H ₄ (CH ₂) ₃ CHOH C ₁₀ H ₁₂ O M _r 148.21 [529-33-9]			
87650	purum >97%(GC); M.P. 28-32°; B.P. _{0.25} 89°; store in refrigerator		10 g 14. —	50 g 60. —
	α-Tetralone (3,4-Dihydro-1(2H)-naphthalene) C ₆ H ₄ (CH ₂) ₃ CO C ₁₀ H ₁₀ O M _r 146.19 [529-34-0]			
87661	pract. ~95%(GC); M.P. 2-7°; B.P. ₁₃ 127° (Lit.); d ₄ ²⁰ 1.095; n _D ²⁰ 1.569	1 lt ≈ 1.10 kg	100 ml 28. —	500 ml 120. —
	1,1,3,3-Tetramethoxypropane (Malonaldehyde tetramethylacetal) 3/4; 66° (CH ₃ O) ₂ CHCH ₂ CH(OCH ₃) ₂ C ₇ H ₁₆ O ₄ M _r 164.20 [102-52-3]			
87670	purum >98%(GC); B.P. ₁₅ 70-75° (Lit.); d ₄ ²⁰ 0.992; n _D ²⁰ 1.407	1 lt ≈ 0.99 kg	100 ml 11. —	500 ml 46. —
	Tetramethoxysilane (Tetramethyl orthosilicate) 8/23a; 20° (CH ₃ O) ₄ Si C ₄ H ₁₂ O ₄ Si M _r 152.22 [681-84-5]			
87680	puriss. >99.5%(GC); B.P. 120-122°; d ₄ ²⁰ 1.032; n _D ²⁰ 1.368	1 lt ≈ 1.03 kg	100 ml 22. —	500 ml 90. —
87682	purum >98%(GC); B.P. 118-122°; d ₄ ²⁰ 1.034; n _D ²⁰ 1.368	1 lt ≈ 1.03 kg	250 ml 24. —	1 lt 90. —
87700	Tetramethylammonium borohydride , TMAB purum >98%(T) 4.3/2b (CH ₃) ₄ N(BH ₄) C ₄ H ₁₆ BN M _r 88.99 [16883-45-7]		5 g 32. —	25 g 135. —
87710	Tetramethylammonium bromide purum >99%(Br); M.P. >300° (CH ₃) ₄ N(Br) C ₄ H ₁₂ BrN M _r 154.06 [64-20-0]		100 g 18. —	500 g 75. —
	Tetramethylammonium chloride (CH ₃) ₄ N(Cl) C ₄ H ₁₂ ClN M _r 109.60 [75-57-0]			
87720	purum >98%(Cl); M.P. >300°; H ₂ O <1%; very hygroscopic		100 g 8. —	500 g 29. —
	Tetramethylammonium hexafluorophosphate (CH ₃) ₄ N(PO ₃ F ₆) C ₄ H ₁₂ F ₆ NO ₄ P M _r 283.11 [558-32-7]			
87725	purum >98%(T); M.P. >300°; supporting electrolyte		25 g 26. —	100 g 95. —
	Tetramethylammonium hydrogensulfate Monohydrate (CH ₃) ₄ N(HSO ₄)·H ₂ O C ₄ H ₁₃ NO ₄ S·H ₂ O M _r 189.23			
87726	purum cryst. >98%(T); M.P. ~290-295° dec.		50 g 15. —	250 g 63. —
	Tetramethylammonium hydroxide 8/32 (CH ₃) ₄ N(OH) C ₄ H ₁₃ NO M _r 91.16 [75-59-2]			
87730	pract. 10% in water (~1.1 m/lt)	1 lt ≈ 1.01 kg	250 ml 12. —	1 lt 40. —
87731	pract. 25% in water (~2.8 m/lt)	1 lt ≈ 1.01 kg	100 ml 11. —	500 ml 44. —
87732	pract. 25% in Methanol (~2.2 m/lt)	1 lt ≈ 0.80 kg	100 ml 11. —	500 ml 42. —
87741	Tetramethylammonium hydroxide Pentahydrate purum >98%(T) 8/32 (CH ₃) ₄ N(OH)·5H ₂ O C ₄ H ₁₃ NO·5H ₂ O M _r 181.23 [10424-65-4]		25 g 20. —	100 g 70. —
87740	Tetramethylammonium iodide puriss. >99%(I); M.P. >300° (CH ₃) ₄ N(I) C ₄ H ₁₂ IN M _r 201.05 [75-58-1]		100 g 28. —	500 g 120. —
87742	Tetramethylammonium nitrate purum >97%(NT); M.P. >300° 4.1/16 (CH ₃) ₄ N(NO ₃) C ₄ H ₁₂ N ₂ O ₃ M _r 136.15 [1941-24-8]		25 g 26. —	100 g 95. —

				sFr.	sFr.
87746	Tetramethylammonium perchlorate purum >99%(T); M.P. >300° (CH ₃) ₄ N(ClO ₄) C ₄ H ₁₂ ClNO ₄ M _r 173.60 [2537-36-2]			25 g 21. —	100 g 75. —
87743	Tetramethylammonium sulfate purum [(CH ₃) ₄ N] ₂ (SO ₄).aq C ₈ H ₂₄ N ₂ O ₄ S.aq M _r 244.35 + aq [14190-16-0]			25 g 35. —	100 g 130. —
87747	Tetramethylammonium tetrafluoroborate purum M.P. >300° (CH ₃) ₄ N(BF ₄) C ₄ H ₁₂ BF ₄ N M _r 160.95 [661-36-9]			10 g 10. —	50 g 40. —
87745	Tetramethylammonium toluene-4-sulfonate purum >98%(S); M.P. ~210-215° dec. (CH ₃) ₄ N(CH ₃ C ₆ H ₄ SO ₃) C ₁₁ H ₁₉ NO ₃ S M _r 245.34 [3983-91-3]			10 g 12. —	50 g 50. —
	Tetramethylammonium tribromide 8/12 (CH ₃) ₄ N(Br ₃) C ₄ H ₁₂ Br ₃ N M _r 313.88 [15625-56-6]				
87744	purum >98%(Br); M.P. 111-113°; Mild brominating agent: M. Avramoff, J. Weiss, O. Schächter, J. Org. Chem. 28, 3256 (1963)			25 g 20. —	100 g 70. —
	1,2,3,5-Tetramethylbenzene see 58840 Isodurene				
	1,2,4,5-Tetramethylbenzene see 44624 Durene				
	3,3',5,5'-Tetramethylbenzidine NH ₂ C ₆ H ₂ (CH ₃) ₂ C ₆ H ₂ (CH ₃) ₂ NH ₂ C ₁₆ H ₂₀ N ₂ M _r 240.35 [54827-17-7]				
87748	purum p.a. >98%(NT); M.P. 166-169°; Noncarcinogenic substitute for benzidine as sensitive and specific reagent for the detection of blood: V. R. Holland, B. C. Saunders, F. L. Rose, A. L. Walpole, Tetrahedron 30, 3299 (1974); D. D. Garner et al., J. Forensic. Sci. 21, 816 (1976)			1 g 18. —	5 g 75. — 25 g 320. —
	3,3',5,5'-Tetramethylbenzidine dihydrochloride (4,4'-Diamino-3,3',5,5'-tetramethyl-biphenyl dihydrochloride) NH ₂ C ₆ H ₂ (CH ₃) ₂ C ₆ H ₂ (CH ₃) ₂ NH ₂ .2HCl C ₁₆ H ₂₀ N ₂ .2HCl M _r 313.27 [64285-73-0]				
87750	purum p.a.			1 g 18. —	5 g 75. — 25 g 320. —
	2,3,5,6-Tetramethyl-1,4-benzoquinone see 44620 Duroquinone				
	N,N,N',N'-Tetramethyl-1,3-butanediamine [1,3-Bis(dimethylamino)butane; 3/; 43° N,N,N',N'-Tetramethyl-1,3-diaminobutane] (CH ₃) ₂ NCH(CH ₃)CH ₂ CH ₂ N(CH ₃) ₂ C ₈ H ₂₀ N ₂ M _r 144.26 [97-84-7]				
14740	purum >99%(GC); B.P. -12,55-56°; d ₄ ²⁰ 0.802; n _D ²⁰ 1.431			1 lt ≈ 0.80 kg	100 ml 22. — 500 ml 90. —
	N,N,N',N'-Tetramethyl-1,4-butanediamine [1,4-Bis(dimethylamino)butane; 3/3 N,N,N',N'-Tetramethyl-1,4-diaminobutane] (CH ₃) ₂ N(CH ₂) ₄ N(CH ₃) ₂ C ₈ H ₂₀ N ₂ M _r 144.26 [111-51-3]				
14750	purum >98%(GC); B.P. 166-168°; d ₄ ²⁰ 0.792; n _D ²⁰ 1.428			1 lt ≈ 0.79 kg	5 ml 18. — 25 ml 75. —
	1,1,3,3-Tetramethylbutylamine see 75000 tert-Octylamine				
	N-(1,1,3,3-Tetramethylbutyl)-formamide (N-tert-Octylformamide) HCONHC(CH ₃) ₂ CH ₂ C(CH ₃) ₃ C ₉ H ₁₉ NO M _r 157.26 [10151-02-7]				
87755	purum ~97%(GC); B.P. -1,70-73°; d ₄ ²⁰ 0.905; n _D ²⁰ 1.456			1 lt ≈ 0.91 kg	50 ml 34. —
	1,1,3,3-Tetramethylbutyl isocyanide (tert-Octyl isocyanide; Walborsky's Reagent) 6.1/21 (CH ₃) ₃ CCH ₂ C(CH ₃) ₂ NC C ₉ H ₁₇ N M _r 139.24 [14542-93-9]				
87765	purum B.P. -12,50°; d ₄ ²⁰ 0.801; n _D ²⁰ 1.422			1 lt ≈ 0.80 kg	5 ml 26. — 25 ml 110. —
	"Tetramethylbutynediol" see 40650 2,5-Dimethyl-3-hexyne-2,5-diol				
	3,3,5,5-Tetramethylcyclohexanone 3/4; 90° CH ₂ C(CH ₃) ₂ CH ₂ C(CH ₃) ₂ CH ₂ CO C ₁₀ H ₁₈ O M _r 154.25 [14376-79-5]				
87790	puriss. >99%(GC); B.P. 203-205°; d ₄ ²⁰ 0.891; n _D ²⁰ 1.452			1 lt ≈ 0.89 kg	5 ml 21. — 25 ml 90. —
	N,N,N',N'-Tetramethyl-1,3-diaminobutane see 14740 N,N,N',N'-Tetramethyl-1,3-butanediamine				
	N,N,N',N'-Tetramethyl-1,4-diaminobutane see 14750 N,N,N',N'-Tetramethyl-1,4-butanediamine				
	N,N,N',N'-Tetramethyl-4,4'-diaminodiphenylmethane see 87800 4,4'-Methylenebis-N,N(dimethylaniline)				
	N,N,N',N'-Tetramethyldiaminomethane [Bis-(dimethylamino)-methane] 3/1a; -22° (CH ₃) ₂ NCH ₂ N(CH ₃) ₂ C ₆ H ₁₄ N ₂ M _r 102.18 [51-80-9]				
14790	purum >97%(GC); B.P. 82-84°; d ₄ ²⁰ 0.748; n _D ²⁰ 1.401			1 lt ≈ 0.75 kg	25 ml 17. — 100 ml 60. —
	N,N,N',N'-Tetramethyl-1,3-diaminopropane see 14800 N,N,N',N'-Tetramethyl-1,3-propanediamine				
	2,4,4,6-Tetramethyl-5,6-dihydro-4H-1,3-oxazine see 37402 5,6-Dihydro-2,4,4,6-tetramethyl-4H-1,3-oxazine				

			sFr.	sFr.
1,1,3,3-Tetramethyldisilazane, TMDS				
87830	3/1a; -3° (CH ₃) ₂ SiHNHSiH(CH ₃) ₂ C ₄ H ₁₀ NSi ₂ M _r 133.34 [15933-59-2] purum B.P. 99-100°; d ₄ ²⁰ 0.766; n _D ²⁰ 1.405	1 lt ≈ 0.77 kg	10 ml 35. —	
Tetramethylene chlorohydrin see 23960 4-Chloro-1-butanol				
Tetramethylenediamine see 32790 1,4-Diaminobutane				
Tetramethylene dibromide see 34050 1,4-Dibromobutane				
Tetramethylene dichloride see 35570 1,4-Dichlorobutane				
1,1'-Tetramethylenediguanidine sulfate see 10970 Arcain sulfate				
Tetramethylene dimercaptan see 19020 1,4-Butanedithiol				
Tetramethylene glycol see 18960 1,4-Butanediol				
Tetramethylene sulfide see 87490 Tetrahydrothiophene				
Tetramethylene sulfone see 86148 Sulfolane				
Tetramethylenimine see 83240 Pyrrolidine				
Tetramethylethylene see 39829 2,3-Dimethyl-2-butene				
N,N,N',N'-Tetramethylethylenediamine [1,2-Bis(dimethylamino)ethane]				
87689	8/35; 21° (CH ₃) ₂ NCH ₂ CH ₂ N(CH ₃) ₂ C ₆ H ₁₆ N ₂ M _r 116.21 [110-18-9] puriss. biochim. redist. for Gelelectrophoresis; >99%(GC); B.P. 120-122°; d ₄ ²⁰ 0.773; n _D ²⁰ 1.419	1 lt ≈ 0.77 kg	100 ml 12. —	
87690	purum >98%(GC); d ₄ ²⁰ 0.775; n _D ²⁰ 1.417; H ₂ O <1%	1 lt ≈ 0.78 kg	100 ml 8. —	500 ml 29. —
Tetramethylethylene glycol see 80580 Pinacol anhydrous				
Tetramethylformamidine cyanide [Bis(dimethylamino)acetonitrile]				
87843	6.1/2b [(CH ₃) ₂ N] ₂ CHCN C ₆ H ₁₃ N ₃ M _r 127.19 [2214-82-6] pract. B.P. ₂₀ 58-60°; d ₄ ²⁰ 0.890; n _D ²⁰ 1.430; contains some Dimethylformamide	1 lt ≈ 0.89 kg	5 ml 26. —	25 ml 110. —
Tetramethylformamidine methylsulfate [Bis(dimethylamino)methyl methyl sulfate]				
87845	[(CH ₃) ₂ N] ₂ CHOSO ₃ CH ₃ C ₆ H ₁₆ N ₂ O ₄ S M _r 212.27 [2013-91-4] purum; store in refrigerator		10 g 15. —	50 g 63. —
1,1,3,3-Tetramethylguanidine				
87844	3/4; 60° (CH ₃) ₂ NC(:NH)N(CH ₃) ₂ C ₅ H ₁₃ N ₃ M _r 115.18 [80-70-6] puriss. >99%(GC); B.P. ₁₁ 52-54°; d ₄ ²⁰ 0.918; n _D ²⁰ 1.469	1 lt ≈ 0.92 kg	50 ml 20. —	250 ml 85. —
87846	pract. >97%(GC); d ₄ ²⁰ 0.918; n _D ²⁰ 1.469	1 lt ≈ 0.92 kg	100 ml 25. —	500 ml 105. —
2,2,6,6-Tetramethyl-3,5-heptanedione (Dipivaloylmethane)				
87851	(CH ₃) ₃ CCOCH ₂ COC(CH ₃) ₃ C ₁₁ H ₂₀ O ₂ M _r 184.28 [1118-71-4] purum >98%(GC); B.P. ₁₀ 80°; d ₄ ²⁰ 0.895; n _D ²⁰ 1.458	1 lt ≈ 0.90 kg	5 ml 21. —	25 ml 90. —
3,7,11,15-Tetramethyl-2-hexadecen-1-ol see 80191 Phytol				
87860	Tetramethylhydrazine purum >97%(NT); d ₄ ²⁰ 0.777; n _D ²⁰ 1.404 3/3; 27° (CH ₃) ₂ NN(CH ₃) ₂ C ₄ H ₁₂ N ₂ M _r 88.15 [6415-12-9]	1 lt ≈ 0.78 kg	1 ml 120. —	
87866	1,2,4,5-Tetramethylimidazole pract. ~97%(N); M.P. 59-61° CH ₃ NC(CH ₃):NC(CH ₃):CCH ₃ C ₇ H ₁₂ N ₂ M _r 124.19 [1739-83-9]		50 g 16. —	250 g 67. —
Tetramethylmethane see 41499 2,2-Dimethylpropane				
N,N,N',N'-Tetramethyl-1,8-naphthalenediamine [1,8-Bis-(dimethylamino)naphthalene]				
14795	C ₁₀ H ₆ [N(CH ₃) ₂] ₂ C ₁₄ H ₁₈ N ₂ M _r 214.31 [20734-58-1] purum >99%(NT); M.P. 47-48°; light sensitive		10 g 18. —	50 g 75. —
Tetramethyl orthocarbonate				
75588	3/3; 34° C(OCH ₃) ₄ C ₅ H ₁₂ O ₄ M _r 136.15 [1850-14-2] purum >98%(GC); M.P. -5--2°; B.P. 112-114°; d ₄ ²⁰ 1.022; n _D ²⁰ 1.385; Review: W. Kantelechner et al., Synthesis 73 (1977)	1 lt ≈ 1.02 kg	25 ml 31. —	100 ml 115. —
Tetramethyl orthosilicate see 87680 Tetramethoxysilane				
2,2,4,4-Tetramethyl-3-pentanone (Di-tert-butyl ketone; Hexamethylacetone; Pivalone)				
34740	3/4 (CH ₃) ₃ CCOC(CH ₃) ₃ C ₈ H ₁₈ O M _r 142.24 [815-24-7] purum >97%(GC); B.P. 151-153°; d ₄ ²⁰ 0.824; n _D ²⁰ 1.419	1 lt ≈ 0.82 kg	5 ml 40. —	25 ml 165. —

			sFr.	sFr.
	2',5',2'',5''-Tetramethylphenolphthalein see 95620 p-Xylenolphthalein			
32975	2,3,5,6-Tetramethyl-p-phenylenediamine (3,6-Diaminodurene) (NH ₂) ₂ C ₆ (CH ₃) ₄ C ₁₀ H ₁₆ N ₂ M _r 164.25 [3102-87-2] purum >99%(NT); M.P. 152-154°		25 g 26. —	
87890	N,N,N',N'-Tetramethyl-p-phenylenediamine dihydrochloride (CH ₃) ₂ NC ₆ H ₄ N(CH ₃) ₂ ·2HCl C ₁₀ H ₁₆ N ₂ ·2HCl M _r 237.18 [637-01-4] purum >99%(Cl); M.P. 222-224° dec.; 1 g clearly soluble in 10 ml water		5 g 16. —	25 g 67. —
87900	2,2,6,6-Tetramethylpiperidine NHC(CH ₃) ₂ (CH ₂) ₃ C(CH ₃) ₂ C ₉ H ₁₈ N M _r 141.26 [768-66-1] purum >97%(GC); B.P. 155-157°; d ₄ ²⁰ 0.832; n _D ²⁰ 1.445	1 lt ≈ 0.83 kg	10 ml 22. —	50 ml 90. —
	2,2,6,6-Tetramethyl-4-piperidinol see 56515 4-Hydroxy-2,2,6,6-tetramethylpiperidine			
87910	2,2,6,6-Tetramethyl-4-piperidone hydrochloride NHC(CH ₃) ₂ CH ₂ COCH ₂ C(CH ₃) ₂ ·HCl C ₉ H ₁₇ NO·HCl M _r 191.70 [33973-59-0] purum >97%(Cl); M.P. ~190° dec.; Ash <0.1%; H ₂ O <2%		25 g 22. —	100 g 80. —
14800	N,N,N',N'-Tetramethyl-1,3-propanediamine [1,3-Bis(dimethylamino)propane; 3/3; 31° N,N,N',N'-Tetramethyl-1,3-diaminopropane) (CH ₃) ₂ N(CH ₂) ₃ N(CH ₃) ₂ C ₇ H ₁₈ N ₂ M _r 130.23 [110-95-2] purum >98%(GC); B.P. 145-148°; d ₄ ²⁰ 0.78; n _D ²⁰ 1.426	1 lt ≈ 0.78 kg	10 ml 14. —	50 ml 60. —
87915	2,3,5,6-Tetramethylpyrazine purum >98%(N); M.P. 86-87°; H ₂ O <2% CH ₃ C ₂ :C(CH ₃)N:C(CH ₃)C(CH ₃):N C ₆ H ₁₂ N ₂ M _r 136.20 [1124-11-4]		25 g 18. —	100 g 65. —
87920	Tetramethylsilane 3/1a; -1° (CH ₃) ₄ Si C ₄ H ₁₂ Si M _r 88.23 [75-76-3] puriss. >99.5%(GC); B.P. 26-27°; d ₄ ²⁰ 0.638; n _D ²⁰ 1.359; Calibration standard for NMR-Spectroscopy	1 lt ≈ 0.64 kg	25 ml 17. —	100 ml 60. —
87921	purum >99%(GC) + traces Methylchloride and Hexamethyldisiloxane; d ₄ ²⁰ 0.643; n _D ²⁰ 1.359	1 lt ≈ 0.64 kg	25 ml 13. —	100 ml 45. —
87930	Tetramethylthiourea purum >99%(GC); M.P. 76-78° (CH ₃) ₂ NCSN(CH ₃) ₂ C ₅ H ₁₂ N ₂ S M _r 132.23 [2782-91-4]		25 g 14. —	100 g 50. —
87940	Tetramethylthiuram disulfide [Bis(dimethylthiocarbamoyl)disulfide] (CH ₃) ₂ NCSS ₂ CSN(CH ₃) ₂ C ₆ H ₁₂ N ₂ S ₄ M _r 240.43 [137-26-8] purum >98%(S); M.P. 144-148°		250 g 8. —	1 kg 25. —
87960	Tetramethyltin (Tin tetramethyl) 6.1/81f (CH ₃) ₄ Sn C ₄ H ₁₂ Sn M _r 178.83 [594-27-4] purum >99%(GC); B.P. 75-77°; d ₄ ²⁰ 1.297; n _D ²⁰ 1.442; store in refrigerator	1 lt ≈ 1.30 kg	10 ml 32. —	
87850	Tetramethylurea purum >99%(GC); B.P. 174-178°; d ₄ ²⁰ 0.968; n _D ²⁰ 1.451 (CH ₃) ₂ NCON(CH ₃) ₂ C ₅ H ₁₂ N ₂ O M _r 116.16 [632-22-4]	1 lt ≈ 0.97 kg	250 ml 20. —	1 lt 70. —
87847	1,3,7,9-Tetramethyluric acid (1,3,7,9-Tetramethyl-2,6,8-trihydroxypurine) C ₉ H ₁₂ N ₄ O ₃ M _r 224.22 [2309-49-1] purum >98%(N); M.P. 225-228°		250 mg 33. —	1 g 120. —
87955	1,3,7,9-Tetramethylxanthinium methosulfate (2,6-Dihydroxy-1,3,7,9-tetramethylpurin-7-ium methyl sulfate) C ₉ H ₁₃ N ₄ O ₂ ·CH ₃ OSO ₃ C ₁₀ H ₁₆ N ₄ O ₆ S M _r 320.32 [18623-34-2] purum		250 mg 33. —	1 g 120. —
87961	Tetranitroblue tetrazolium chloride {3,3'-[3,3'-Dimethoxy-4,4'-biphenylene]- bis[2,5-bis(p-nitrophenyl)-2H-tetrazoliumchloride]; TNBT} [N:C(C ₆ H ₄ NO ₂)N:N(Cl)(C ₆ H ₄ NO ₂)N-4-C ₆ H ₃ -3-OCH ₃ -1-] ₂ C ₄₀ H ₂₈ Cl ₂ N ₁₂ O ₁₀ M _r 907.65 [1184-43-6] p.a. ~90-95%(Cl); M.P. ~170° dec.; Redox-Indicator for Enzymes; J. Am. Chem. Soc. 6139 (1956); Acta Biol. Ger. 13 (3), 399-410 (1964); C.A. Ref. 62, 8049f		100 mg 13. —	500 mg 55. —
87975	2,4,5,7-Tetranitrofluorenone (NO ₂) ₂ C ₆ H ₂ COC ₆ H ₂ (NO ₂) ₂ C ₁₃ H ₄ N ₄ O ₈ M _r 360.20 [746-53-2] purum M.P. 247-249° (dry); moistened with 20% H ₂ O		1 g 9. —	5 g 34. —

				sFr.	sFr.
Tetranitromethane					
87980	5.1/2	$C(NO_2)_4$ CN_4O_8 M_r 196.03 [509-14-8] puriss. p.a. d_4^{20} 1.636; n_D^{20} 1.438; store in refrigerator; for the nitration of tyrosine residues in proteins: F. Dorner, J. Biol. Chem. 245, 5896 (1971)	1 lt $\approx$ 1.64 kg	10 ml 14. —	50 ml 60. —
87990		Tetraoctadecylammonium bromide purum >98% (Br); M.P. 103-104° $[CH_3(CH_2)_{17}]_4NBr$ $C_{72}H_{146}BrN$ M_r 110.85		5 g 26. —	25 g 110. —
88000		Tetraoctylammonium bromide purum >98% (Br); M.P. 94-97° $(C_8H_{17})_4N(Br)$ $C_{32}H_{68}BrN$ M_r 546.81 [14866-33-2]		10 g 30. —	50 g 125. —
87998		Tetraoctylammonium perchlorate purum M.P. 134-136° $[CH_3(CH_2)_6CH_2]_4N(ClO_4)$ $C_{32}H_{68}ClNO_4$ M_r 566.36 [25423-85-2]		5 g 32. —	25 g 135. —
1,4,7,10-Tetraoxacyclododecane see 28122 12-Crown-4					
88001		Tetrapentylammonium bromide purum >99% (Br); M.P. 100-101° $[CH_3(CH_2)_3CH_2]_4N(Br)$ $C_{20}H_{44}BrN$ M_r 378.49 [866-97-7]		25 g 33. —	100 g 120. —
88003		Tetrapentylammonium iodide purum >98% (I); M.P. 134-136° $[CH_3(CH_2)_3CH_2]_4N(I)$ $C_{20}H_{44}IN$ M_r 425.49 [2498-20-6]		25 g 33. —	100 g 120. —
Tetraphene see 12090 Benz[a]anthracene					
Tetraphenylarsonium chloride					
88010	6.1/81f	$(C_6H_5)_4As(Cl)$ $C_{24}H_{20}AsCl$ M_r 418.80 [507-28-8] p.a. $\sim$ 95% (Cl); M.P. 256-259°; 1 g clearly soluble in 10 ml water; for titrimetric determination of Hg; for polarographic determination of Sn; Z. analyt. Chem. 173, 243 (1960)		1 g 8. —	5 g 26. —
Tetraphenylboron Sodium see 72020 Sodium tetraphenylborate					
88020		1,1,4,4-Tetraphenyl-1,3-butadiene puriss. for Scintillation; M.P. 202-204° $(C_6H_5)_2C:CHCH:C(C_6H_5)_2$ $C_{28}H_{22}$ M_r 358.49 [1450-63-1]		5 g 29. —	25 g 120. —
88030		Tetraphenylcyclopentadienone purum M.P. 217-220° $C_6H_5C:C(C_6H_5)C(C_6H_5):C(C_6H_5)CO$ $C_{29}H_{20}O$ M_r 384.48 [479-33-4]		10 g 13. —	50 g 55. —
88004		1,1,2,2-Tetraphenyl ethylene purum >97% (UV); M.P. 223-225° $(C_6H_5)_2C:C(C_6H_5)_2$ $C_{26}H_{20}$ M_r 332.44 [632-51-9]		5 g 12. —	25 g 50. —
88045		Tetraphenylphosphonium bromide purum $\sim$ 97% (Br); M.P. 295-297°; $H_2O \sim$ 1% $(C_6H_5)_4P(Br)$ $C_{24}H_{20}BrP$ M_r 419.31 [2751-90-8]		10 g 12. —	50 g 50. —
Tetraphenylphosphonium chloride					
88060		$(C_6H_5)_4P(Cl)$ $C_{24}H_{20}ClP$ M_r 374.85 [2001-45-8] purum p.a. >98% (Cl); M.P. $\sim$ 265° dec.; Determination of: Bi, Co		1 g 7. —	5 g 18. —
88072		meso-Tetraphenylporphyrine purum >98% (UV); M.P. >300° $C_{44}H_{30}N_4$ M_r 614.76 [917-23-7]		1 g 22. —	5 g 90. —
88100		Tetraphenyltin purum M.P. 226-228°; store in refrigerator (Tin tetraphenyl) 6.1/81f $(C_6H_5)_4Sn$ $C_{24}H_{20}Sn$ M_r 427.12 [595-90-4]		25 g 9. —	100 g 28. —
Tetrapropylammonium bromide					
88105		$(CH_3CH_2CH_2)_4N(Br)$ $C_{12}H_{26}BrN$ M_r 266.27 [1941-30-6] purum >99% (Br); M.P. 280-285° dec.; 1 g clearly soluble in 10 ml Methanol; supporting electrolyte		100 g 25. —	500 g 105. —
88110		Tetrapropylammonium hydroxide pract. 20% in water ($\sim$ 1 mol/lit) 8/32 $(CH_3CH_2CH_2)_4N(OH)$ $C_{12}H_{26}NO$ M_r 203.37 [4499-86-9]	1 lt $\approx$ 1.00 kg	50 ml 32. —	250 ml 135. —
88120		Tetrapropylammonium iodide purum >98% (I) 3/4; 63° $(CH_3CH_2CH_2O)_4Ti$ $C_{12}H_{26}O_4Ti$ M_r 284.26 [628-01-9]		25 g 14. —	100 g 50. —
88125		Tetrapropylammonium(meta)periodate purum $(CH_3CH_2CH_2)_4NiO_4$ $C_{12}H_{26}INO_4$ M_r 377.26		10 g 25. —	50 g 105. —
88128		Tetrapolyammonium tetrafluoroborate purum M.P. 245-247° $(CH_3CH_2CH_2)_4N(BF_4)$ $C_{12}H_{26}BF_4N$ M_r 273.17 [338-38-5]		25 g 31. —	100 g 115. —

			sFr.	sFr.
88140	Tetrapropyl orthotitanate pract. 3/4; 63° (CH ₃ CH ₂ CH ₂ O) ₄ Ti C ₁₂ H ₂₈ O ₄ Ti M _r 284.26 [628-01-9]		250 g 24.—	
88143	Tetratetracontane purum M.P. 85-87° (Alkane C ₄₄) CH ₃ (CH ₂) ₄₂ CH ₃ C ₄₄ H ₉₀ M _r 619.11 [7098-22-8]		1 g 40.—	5 g 170.—
88150	Tetrathiafulvalene , TTF puriss. >99%(S); M.P. 119-121° SCH:CHSC:CSCH:CHS C ₆ H ₄ S ₄ M _r 204.36 [31366-25-3]		250 mg 29.—	1 g 105.—
88153	Tetratriacontane purum >97%(GC); M.P. 72-74° (Alkane C ₃₄) CH ₃ (CH ₂) ₃₂ CH ₃ C ₃₄ H ₇₀ M _r 478.94 [14167-59-0]		1 g 40.—	5 g 170.—
88180	Tetrazole purum M.P. 155-157° (dry); moistened with ~10% H ₂ O 6.1/81g HNN:NN:CH CH ₂ N ₄ M _r 70.05 [288-94-8]		1 g 9.—	5 g 34.—
	Tetrazole Blue see 88190 Tetrazolium Blue(chloride)			
	Tetrazolium Blue(chloride) [BTC; 3,3'-Dianisole-4,4'-bis(3,5-diphenyltetrazolium chloride); 6.1/81g Tetrazole Blue] [N:C(C ₆ H ₅)N:N(Cl)(C ₆ H ₅)N-4-C ₆ H ₃ -3-OCH ₃ -1-] ₂ C ₄₀ H ₃₂ Cl ₂ N ₈ O ₂ M _r 727.66 [1871-22-3]			
88190	purum p.a. ~97%(Cl); M.P. 265-270° dec.; for Bacteriology; Germ-Indicator; Redox-Indicator for Enzymes		1 g 14.—	5 g 60.—
88192	Tetrazolium Blue diformazane p.a. (BT-formazane) C ₄₀ H ₃₄ N ₈ O ₂ M _r 658.77		1 g 10.—	5 g 37.—
	Tetrazolium Violet [2,5-Diphenyl-3-(1-naphthyl)tetrazolium chloride] 6.1/81g C ₂₃ H ₁₇ ClN ₄ M _r 384.87 [1719-71-7]			
88193	purum p.a. M.P. 245-250° dec.		1 g 16.—	5 g 67.—
	TFA see 91699 Trifluoroacetic acid			
	TFAA see 91719 Trifluoroacetic anhydride			
	TFAl see 91675 N-(Trifluoroacetyl)imidazole			
	Thallium 6.1/54 TI A _r 204.37 [7440-28-0]			
88200	puriss. a 99.999%		10 g 14.—	50 g 60.—
88202	puriss. b 99.99%		100 g 22.—	500 g 90.—
88204	Thallium(I) acetate purum >97%(NT); M.P. 126-128° 6.1/54 CH ₃ COOTI C ₂ H ₃ O ₂ TI M _r 263.42 [563-68-8]		25 g 24.—	100 g 90.—
88205	Thallium(III) acetate Sesquihydrate purum M.P. ~285° dec. 6.1/54 (CH ₃ COO) ₃ TI.1½H ₂ O C ₆ H ₉ O ₆ TI.1½H ₂ O M _r 408.53 [2570-63-0]		10 g 20.—	50 g 85.—
88220	Thallium(I) carbonate puriss. >99%(NT); M.P. ~265-270° 6.1/54 TI ₂ CO ₃ CO ₃ TI ₂ M _r 468.75 [29809-42-5]		25 g 12.—	100 g 40.—
88232	Thallium(I) chloride purum p.a. 6.1/54 TICl CITI M _r 239.82 [7791-12-0]		25 g 12.—	100 g 40.—
	Fluka-Guarantee: Assay >98.0 % Iron (Fe) <0.005% Copper (Cu) <0.005% Zinc (Zn) <0.005% Lead (Pb) <0.005%			
88241	Thallium(I) hydroxide pract. ~95%(T); very unstable; store in refrigerator 6.1/54 TIOH HOTI M _r 221.38 [12026-06-1]		10 g 18.—	50 g 75.—
88260	Thallium(I) iodide puriss. ~99%(TI); Heavy metals <10 ppm 6.1/54 TII ITI M _r 331.27 [7790-30-9]		25 g 12.—	100 g 40.—
88272	Thallium(I) nitrate purum p.a. 6.1/54 TINO ₃ NO ₃ TI M _r 266.38 [10102-45-1]		50 g 17.—	250 g 70.—
	Fluka-Guarantee: Assay >98.0 % Iron (Fe) <0.005% Chloride (Cl) <0.005% Zinc (Zn) <0.005% Copper (Cu) <0.005% Calcium (Ca) <0.005% Lead (Pb) <0.005%			



					sFr.	sFr.
88275	Thallium(III) nitrate purum M.P. 105-107°; Review: A. McKillop, Pure and Appl. Chem. 43, 463 (1975) 10 g 9. —	50 g 34. —				
6.1/54	$\text{Ti(NO}_3)_3$ $\text{N}_3\text{O}_9\text{Ti}$ M_r 390.39 [13746-98-0]					
88280	Thallium(III) oxide purum p.a.	50 g 37. —	250 g 155. —			
6.1/54	Ti_2O_3 O_3Ti_2 M_r 456.74 [1314-32-5]					
	Fluka-Guarantee:					
	Assay	>99.0 %	Lead (Pb)	<0.005 %		
	Sulfate (SO_4)	<0.01 %	Iron (Fe)	<0.05 %		
	Copper (Cu)	<0.005 %	Calcium (Ca)	<0.01 %		
88290	Thallium(I) sulfate purum p.a.	100 g 12. —	500 g 50. —			
6.1/54	Ti_2SO_4 O_4STi_2 M_r 504.80 [7446-18-6]					
	Fluka-Guarantee:					
	Assay	>98.0 %	Iron (Fe)	<0.005 %		
	Chloride (Cl)	<0.005 %	Zinc (Zn)	<0.005 %		
	Copper (Cu)	<0.005 %	Calcium (Ca)	<0.005 %		
	Lead (Pb)	<0.005 %				
88291	Thallium(I) sulfide purum >99% (RT)	10 g 12. —	50 g 50. —			
6.1/54	Ti_2S STi_2 M_r 440.80 [1314-97-2]					
88296	Thallium(III) trifluoroacetate pract. [Trifluoroacetic acid Thallium(III) salt]	10 g 22. —				
6.1/54	$(\text{CF}_3\text{COO})_3\text{Ti}$ $\text{C}_6\text{F}_9\text{O}_6\text{Ti}$ M_r 543.42 [23586-53-0]					
	Thallocene see 29675 Cyclopentadienylthallium(I)					
	Thapsic acid see 52230 Hexadecanedioic acid					
	Thenaldehyde see 88980 Thiophene-2-carboxaldehyde					
	α-Thenoyl chloride see 89011 Thiophene-2-carbonyl chloride					
	2-Thenoyltrifluoroacetone [4,4,4-Trifluoro-1-(2-thienyl)-1,3-butanedione]					
	$\text{SCH:CHCH:CCOCH}_2\text{COCF}_3$ $\text{C}_8\text{H}_5\text{F}_3\text{O}_2\text{S}$ M_r 222.19 [326-91-0]					
88300	puriss. p.a. ~99% (GC); M.P. 42-43°; for colorimetric determination of Cu, Z. analyt. Chem. 171, 241 (1959); for colorimetric determination of Cr, Anal. Chem. 32, 1337 (1960); for Spectrophotometric determination of U, Z. analyt. Chem. 163, 437 (1958); for Al-Extraction, Z. analyt. Chem. 172, 451 (1960)	5 g 9. —	25 g 33. —			
88302	purum >97% (GC); M.P. 40-42°	10 g 11. —	50 g 46. —			
	Thenyl alcohol see 55880 Thiophene-2-methanol					
12480	α-Thenyl benzoate purum M.P. 54-56° (Benzoic acid α -thenyl ester)	10 g 20. —	50 g 85. —			
	$\text{C}_{12}\text{H}_{10}\text{O}_2\text{S}$ M_r 218.28					
	Theophylline-7-acetic acid (1,3-Dimethylxanthine-7-acetic acid)					
	$\text{C}_9\text{H}_{10}\text{N}_4\text{O}_4$ M_r 238.20 [652-37-9]					
88310	purum >99% (T); M.P. 270-272°	100 g 25. —				
	1,3,4-Thiadiazole-2-amine see 09475 2-Amino-1,3,4-Thiadiazole					
	1,3,4-Thiadiazole-2,5-dithiol see 15100 Bismuthiol I					
	Thiamine hydrochloride see 95160 Vitamine B ₁					
	Thiamine (ortho)phosphoric acid ester chloride see 88340 Cocarboxylase					
	Thiaminepyrophosphoric acid see 27580 Cocarboxylase Tetrahydrate					
	Thianaphthene see 88900 Thionaphthene					
88360	Thianthrene purum ~97% (S); M.P. 151-155°	50 g 24. —	250 g 100. —			
	$\text{C}_6\text{H}_4\text{SC}_6\text{H}_4\text{S}$ $\text{C}_{12}\text{H}_8\text{S}_2$ M_r 216.33 [92-85-3]					
	Thiazine Red R [C.I. Nr. 14780; Sch. Nr. 277]					
	$\text{SC}_6\text{H}_2-6-\text{CH}_3-7-\text{SO}_3\text{NaN}:\text{C}_6\text{H}_4-4-\text{N}:\text{N}-2-\text{C}_{10}\text{H}_5-1-\text{OH}-4-\text{SO}_3\text{Na}$					
	$\text{C}_{24}\text{H}_{15}\text{N}_3\text{Na}_2\text{O}_7\text{S}_3$ M_r 599.58 [2150-33-4]					
88370	Standard Fluka for Microscopy (Hist., Fl.)	25 g 12. —	100 g 40. —	500 g 170. —		
	2-Thiazolamine see 09480 2-Aminothiazole					
88380	Thiazole purum >99% (GC); B.P. 115-118°; d_4^{20} 1.198; n_D^{20} 1.538	1 lt ~ 1.20 kg	1 ml 18. —	5 ml 75. —		
3/3; 26°	$\text{N}:\text{CHSCH}:\text{CH}$ $\text{C}_3\text{H}_3\text{NS}$ M_r 85.13 [288-47-1]					



		sFr.	sFr.
	Thiazole Yellow G [C.I. Nr. 19540; Sch. Nr. 280] (Mimosa; Titan Yellow) ($\text{SC}_6\text{H}_2\text{-6-CH}_3\text{-7-SO}_3\text{NaN:CC}_6\text{H}_4\text{-4-})_2(\text{N:NNH})$ $\text{C}_{26}\text{H}_{19}\text{N}_5\text{Na}_2\text{O}_6\text{S}_4$ M_r 694.72 [1839-00-1])		
88390	Standard Fluka Adsorptions-Indicator; for Microscopy (Fluorescence Indicator); Indicator pH 12.0-13.0, for the determination of Mg	25 g 9.—	100 g 30.—
	L-Thiazolidine-4-carboxylic acid (L-Thioproline) $\text{CH}_2\text{SCH}_2\text{NHCHCOOH}$ $\text{C}_4\text{H}_7\text{NO}_2\text{S}$ M_r 133.17 [444-27-9] purum >99%(T); M.P. 195-198° dec.; $[\alpha]_{\text{D}}^{20} - 119 \pm 2^\circ$; $[\alpha]_{\text{D}}^{20} - 101 \pm 2^\circ$ (c = 1 in 1n HCl)	10 g 11.—	50 g 46.—
	2-Thiazoline-2-thiol (2-Mercapto-2-thiazoline) $\text{SCH}_2\text{CH}_2\text{N:CSH}$ $\text{C}_3\text{H}_5\text{NS}_2$ M_r 119.21 [96-53-7] pract. >97%(S); M.P. 100-105°; Reagent for the iodomethylation of alkyl halides: K. Hirai, Y. Kishida, Org. Synth. 56, 77 (1976)	100 g 15.—	500 g 63.—
	1-(2-Thiazolylazo)-2-naphthol [2-(2-Hydroxy-1-naphthylazo)thiazole; TAN] $\text{SCH:CHN:CN:NC}_{10}\text{H}_6\text{OH}$ $\text{C}_{13}\text{H}_9\text{N}_3\text{OS}$ M_r 255.30 [1147-56-4] puriss. p.a. >99%(T); M.P. 138-139°; 1 g clearly soluble in 100 ml Methanol; Spectrophotometric determ.: Co^{2+} , Cu^{2+} , Zn^{2+}	1 g 18.—	5 g 75.—
	4-(2-Thiazolylazo)resorcinol [2-(2,4-Dihydroxyphenylazo)thiazole; TAR] $\text{SCH:CHN:CN:NC}_6\text{H}_3(\text{OH})_2$ $\text{C}_9\text{H}_7\text{N}_3\text{O}_2\text{S}$ M_r 221.24 [2246-46-0] purum p.a. >98%(T); M.P. 215-217° dec.; Ash <0.5%; for the Spectrophotometric determ. of Nb; Indicator for Complexometry	1 g 13.—	5 g 55.—
	Thiazolyl Blue Tetrazolium bromide [3-(4,5-Dimethyl-2-thiazolyl)-2,5-diphenyl-2H- tetrazolium bromide; Diphenyl tetrazolium bromide; MTT] $\text{SC}(\text{CH}_3):\text{C}(\text{CH}_3)\text{N:CN}(\text{Br})(\text{C}_6\text{H}_5):\text{NC}(\text{C}_6\text{H}_5):\text{N}$ $\text{C}_{18}\text{H}_{16}\text{BrN}_5\text{S}$ M_r 414.33 p.a.	1 g 32.—	
88415			
88417	Thiazolyl Blue formazane p.a. (MTT-formazane) $\text{C}_{18}\text{H}_{17}\text{N}_5\text{S}$ M_r 335.43 [57360-69-7]	250 mg 10.—	1 g 32.—
	2- and 3-Thienylacetic acid see 89015 and 89017 Thiophene-2- and -3-acetic acid		
	2-Thienyl bromide see 18429 2-Bromothiophene		
	3-Thienyl bromide see 18441 3-Bromothiophene		
	2-Thienyl carbinol see 55880 Thiophene-2-methanol		
	2-Thienyl chloride see 26500 2-Chlorothiophene		
	2-Thienyltrifluoroacetone see 91874 1,1,1-Trifluoro-3-(2-thienyl)-2-propanone		
	Thietane see 92458 Trimethylene sulfide		
	"Thimerosal" see 71230 Sodium ethylmercurithiosalicylate		

Thin Layer Chromatography see "Chromatography" green section

	Thioacetamide 6.1/81a CH_3CSNH_2 $\text{C}_2\text{H}_5\text{NS}$ M_r 75.13 [62-55-5]			
88450	puriss. p.a. for Precipitation of Heavy metals	50 g 18.—	250 g 75.—	1 kg 280.—
	Fluka-Guarantee:			
	Assay >99.0 % Iron (Fe) <0.005%			
	Ash (as SO_4) <0.1 % Zinc (Zn) <0.005%			
	Copper (Cu) <0.005% Calcium (Ca) <0.005%			
	Lead (Pb) <0.005%			
88452	pract. ~97%(RT); M.P. 108-112°		100 g 20.—	500 g 85.—
	Thioacetic acid 3/1a; <-10° CH_3COSH $\text{C}_2\text{H}_4\text{OS}$ M_r 76.12 [507-09-5]			
88620	purum ~97%(GC); B.P. 87-90°; d_4^{20} 1.068; n_D^{20} 1.462; contains 3-5% Acetic acid; store in refrigerator	1 lt ≈ 1.07 kg	100 ml 22.—	500 ml 90.—
	Thioacetic acid Potassium salt see 60595 Potassium thioacetate			
	Thioacetylacetamide hydrochloride 6.1/81a $\text{CH}_3\text{CSCH}_2\text{CONH}_2\cdot\text{HCl}$ $\text{C}_4\text{H}_7\text{NOS}\cdot\text{HCl}$ M_r 153.63			
88457	purum ~97%(Cl); M.P. 109-112° dec.	25 g 26.—		100 g 95.—



			sFr.	sFr.
	Thioanisole (Methyl phenyl sulfide; Thiophenol methyl ether)			
	6.1/81a; 72° C ₆ H ₅ SCH ₃ C ₇ H ₆ S M _r 124.21 [100-68-5]			
88470	purum >99%(GC); B.P. 95° (Lit.); d ₄ ²⁰ 1.057; n _D ²⁰ 1.587		1 lt ≈ 1.06 kg	100 ml 20. — 500 ml 85. —
	2-Thiobarbituric acid (4,6-Dihydroxy-2-mercaptopyrimidine)			
	N:C(SH)N:C(OH)CH:COH C ₄ H ₄ N ₂ O ₂ S M _r 144.15 [504-17-6]			
88481	purum >98%(S); M.P. 245° dec.; Ash <0.1%		50 g 16. —	250 g 67. —
	Thiobenzamide purum >97%(S); M.P. 115-117°			
88491	6.1/81a C ₆ H ₅ CSNH ₂ C ₇ H ₇ NS M _r 137.20 [2227-79-4]		10 g 9. —	50 g 34. —
	Thiobenzoic acid pract. ~97%(T); B.P. ₁₂ 103-105°; d ₄ ²⁰ 1.184; n _D ²⁰ 1.603			
88500	8/21 C ₆ H ₅ COSH C ₇ H ₆ OS M _r 138.19 [98-91-9]		1 lt ≈ 1.18 kg	100 ml 16. — 500 ml 67. —
	S-(Thiobenzoyl)thioglycolic acid [(Thiobenzoylmercapto)acetic acid]			
	6.1/81a C ₆ H ₅ CSSCH ₂ COOH C ₉ H ₈ O ₂ S ₂ M _r 212.29 [942-91-2]			
88515	pract. ~97%(NT); M.P. 120-122°		10 g 22. —	50 g 90. —
	N,N'-Thiobisphthalimide (Diphthalimido sulfide; Phthalimido sulfide)			
	C ₁₆ H ₈ N ₂ O ₄ S M _r 324.32 [7764-29-6]			
88522	purum >98%(N); M.P. 308-312°; "Sulfur transfer reagent for the synthesis of diallylic sulfones, which can be easily converted to trienes": G. Büchi, Freidinger, J. Am Chem. Soc. 96, 3332 (1974); D.N. Harpp et al., J. Am. Chem. Soc. 100, 1222 (1978)		5 g 18. —	25 g 75. —
	Thiobiuret purum >97%(S); M.P. 190-192° dec.			
88521	NH ₂ CONHCSNH ₂ C ₂ H ₅ N ₃ OS M _r 119.14 [23228-74-2]		1 g 22. —	5 g 90. —
	Thiocarbamide see 88810 Thiourea			
	Thiocarbanilide see 43350 N,N'-Diphenylthiourea			
	Thiocarbohydrazide (Thiocarbonyldihydrazide)			
	NH ₂ NHCSNHNH ₂ CH ₆ N ₄ S M _r 106.15 [231-57-4]			
88535	purum p.a. >99%(N); M.P. 171-174° dec.; for Electron microscopy		5 g 15. —	25 g 63. —
	1,1'-Thiocarbonyldiimidazole purum; store in refrigerator			
88545	6.1/81a CH:CHN:CHNCSNCH:NCH:CH C ₇ H ₆ N ₄ S M _r 178.22 [6160-65-2]		1 g 8. —	5 g 26. —
	Thiocarbonyltetrachloride see 77220 Perchloromethyl mercaptan			
	p-Thiocresol (4-Mercaptotoluene; 4-Toluenethiol; 4-Tolyl mercaptan)			
	6.1/81a CH ₃ C ₆ H ₄ SH C ₇ H ₈ S M _r 124.21 [106-45-6]			
88860	purum >98%(RT); M.P. 41-43°		100 g 20. —	500 g 85. —
88861	techn. ~90%(RT)		250 g 24. —	1 kg 90. —
	DL-6,8-Thioctic acid (6,8-Dithiooctanic acid; α-Lipoic acid)			
	SSCH ₂ CH ₂ CH(CH ₂) ₄ COOH C ₈ H ₁₄ O ₂ S ₂ M _r 206.33 [1077-28-7]			
62320	purum >98%(T); M.P. 59-61° dec.; store in refrigerator		5 g 12. —	25 g 50. —
	DL-6,8-Thioctic acid amide purum >97%(S); M.P. 126-129° dec. (α-Lipoic amide)			
62330	SSCH ₂ CH ₂ CH(CH ₂) ₄ CONH ₂ C ₈ H ₁₅ NOS ₂ M _r 205.34 [3206-73-3]		1 g 7. —	5 g 29. —
	2,2'-Thiodiacetic acid see 88570 Thiodiglycolic acid			
	3,3'-Thiodialanine see 61570 Lanthionine			
	2,2'-Thiodiethanol see 88559 Thiodiethylene glycol			
	Thiodiethylene glycol [Bis(2-hydroxyethyl)sulfide; 2,2'-Thiodiethanol; Thiodiglycol]			
	S(CH ₂ CH ₂ OH) ₂ C ₄ H ₁₀ O ₂ S M _r 122.19 [111-48-8]			
88559	puriss. biochim. >99%(GC); M.P. -15--12°; B.P. _{0.} 97-98°; d ₄ ²⁰ 1.182; n _D ²⁰ 1.520; suitable as antioxidant in amino acid determination according to Stein and Moore, J. Biol. Chem. 192, 668 (1951)		1 lt ≈ 1.18 kg	50 ml 10. — 250 ml 40. —
88560	puriss. ~99%(GC); M.P. -15--12°; B.P. _{0.} 96-98°; d ₄ ²⁰ 1.182; n _D ²⁰ 1.520		1 lt ≈ 1.18 kg	100 ml 9. — 500 ml 34. —
88561	purum >98%(GC); d ₄ ²⁰ 1.182; n _D ²⁰ 1.520		1 lt ≈ 1.18 kg	1 lt 18. — 2.5 lt 40. —
	Thiodiglycol see 88559 Thiodiethylene glycol			
	Thiodiglycolic acid (2,2'-Thiodiacetic acid)			
	S(CH ₂ COOH) ₂ C ₄ H ₆ O ₄ S M _r 150.16 [123-93-3]			
88570	purum >98%(T); M.P. 127-129°; 1 g clearly soluble in 20 ml Ethanol		250 g 12. —	1 kg 40. —

			sFr.	sFr.
	4,4'-Thiodiphenol see 14942 4-Hydroxyphenyl sulfide			
	Thiodiphenylamine see 88580 Phenothiazine			
	3,3'-Thiodipropionic acid [Bis(2-carboxyethyl)sulfide] S(CH ₂ CH ₂ COOH) ₂ C ₆ H ₁₀ O ₄ S M _r 178.21 [111-17-1]			
88600	purum >97%(T); M.P. 128-132°; Ash <0.1%		100 g 9.—	500 g 34.—
88590	3,3'-Thiodipropionitrile purum M.P. 24-27° 6.1/21 S(CH ₂ CH ₂ CN) ₂ C ₆ H ₈ N ₂ S M _r 140.21 [111-97-7]		250 g 17.—	1 kg 60.—
	Thioethyleneglycol see 63690 2-Mercaptoethanol			
	Thioflavine T [C.I. Nr. 49005; Sch. Nr. 934] SC ₆ H ₃ -6-CH ₃ N(Cl)CH ₃ :CC ₆ H ₄ -4-N(CH ₃) ₂ C ₁₇ H ₁₉ ClN ₂ S M _r 318.87 [2390-54-7]			
88630	Standard Fluka for Microscopy (Fl., Hist.); Ash ~2-6%		25 g 10.—	100 g 35.—
88633	Thiofluorescein Standard Fluka 2-HOOC-C ₆ H ₄ -C ₆ H ₃ -3-(O)SC ₆ H ₃ -6-OH C ₂₀ H ₁₂ O ₄ S M _r 348.38		5 g 26.—	25 g 110.—
	5-Thio-D-glucose HOCH ₂ CH(CHOH) ₄ S C ₆ H ₁₂ O ₅ S M _r 196.25 [20408-97-3]			
88635	purum M.P. ~135° dec.; Potente, competitive inhibitor of the cellular transport of D-glucose and D-glucose mediated insulin release: C. K. R. Kurup, D. R. Sanadi, Biochemistry 7, 4483 (1968); B. Hellman et al., Biochem. Pharmacol. 22, 29 (1973)		100 mg 32.—	1 g 255.—
	1-Thio-β-D-glucose pentaacetate see 49300 β-D-Glucosyl pentaacetate			
	1-Thioglycerol (3-Mercapto-1,2-propanediol) 6.1/81a HSCH ₂ CH(OH)CH ₂ OH C ₃ H ₈ O ₂ S M _r 108.16 [96-27-5]			
88640	puriss. >99%(RT); B.P. 99-101°; d ₄ ²⁰ 1.247; n _D ²⁰ 1.526; nearly colourless; potential substitute for the smelly 2-mercaptoethanol	1 lt ≈ 1.25 kg	100 ml 25.—	500 ml 105.—
88642	purum dest. 90%(RT) + 10% water; d ₄ ²⁰ 1.24	1 lt ≈ 1.24 kg	100 ml 15.—	500 ml 63.—
	Thioglycolic acid (Mercaptoacetic acid) 8/21 HSCH ₂ COOH C ₂ H ₄ O ₂ S M _r 92.12 [68-11-1]			
88650	purum >98%(RT); d ₄ ²⁰ 1.327; n _D ²⁰ 1.503; mediator in the formation of ATP from ADP and inorganic phosphate: E. Bäuerlein, Th. Wieland, Chem. Ber. 103, 648 (1970); and for the protection of tryptophan in amino acid analysis: E. Bäuerlein and Th. Wieland, Biochem. Biophys. Res. Commun. 35, 175 (1969)	1 lt ≈ 1.33 kg	100 ml 8.—	500 ml 26.—
88652	purum p.a. 80% + 20% water; d ₄ ²⁰ 1.265; n _D ²⁰ 1.471; Anal. Chim. Acta 61, 233 (1972); For the spectrophotometric determination of Palladium	1 lt ≈ 1.27 kg	250 ml 8.—	1 lt 25.—
	Thioglycolic acid Ammonium salt 60% in water (Ammonium thioglycolate) HSCH ₂ COONH ₄ C ₂ H ₇ NO ₂ S M _r 109.15 [5421-46-5]			
10010	purum	1 lt ≈ 1.19 kg	1 lt 14.—	5 lt 60.—
	Thioglycolic acid Calcium salt see 21250 Calcium thioglycolate cryst.			
	Thioglycolic acid Sodium salt see 72040 Mercaptoacetic acid Sodium salt			
88800	6-Thioguanine purum >99%(HPLC); M.P. >300°; Guanine <1% (2-Amino-6-mercaptapurine) C ₅ H ₅ N ₅ S M _r 167.19 [154-42-7]		1 g 22.—	5 g 90.—
	6-Thiohypoxanthine see 63810 6-Mercaptopurine			
	6-Thioinosine see 63820 6-Mercaptopurine-9-β-D-ribofuranoside			
	Thiokol LP 3®			
88840	pract. d ₄ ²⁰ 1.269; n _D ²⁰ 1.560; Viscosity (25°) 1200 mPa.s; liquid polymeric Polysulfide ® Registered trade-mark of Thiokol Chem. Corp.	1 lt ≈ 1.27 kg	100 ml 18.—	500 ml 75.—
	Thiolactic acid (2-Mercaptopropionic acid) 6.1/81a CH ₃ CH(SH)COOH C ₃ H ₆ O ₂ S M _r 106.14 [79-42-5]			
88880	pract. ~97%(RT); M.P. 14-16°; B.P. 94-96°; d ₄ ²⁰ 1.197; n _D ²⁰ 1.482	1 lt ≈ 1.20 kg	100 ml 15.—	500 ml 63.—

Thiol Reagents see
"Sulfhydryl Reagents" green section

				sFr.	sFr.
	Thiomalic acid (Mercaptosuccinic acid)				
	$\text{HOOCCH}(\text{SH})\text{CH}_2\text{COOH}$ $\text{C}_4\text{H}_6\text{O}_4\text{S}$ M_r 150.16 [70-49-5]				
88460	puriss. >99%(T); M.P. 150-152°; Ash <0.05%			100 g 28. —	500 g 120. —
	Thiomorpholine purum ~98%(GC); B.P. 175-178°; d_4^{20} 1.088; n_D^{20} 1.538				
88885	$\text{HNCH}_2\text{CH}_2\text{SCH}_2\text{CH}_2$ $\text{C}_4\text{H}_9\text{NS}$ M_r 103.19 [123-90-0]			1 lt ≈ 1.09 kg	5 ml 29. —
	Thiomorpholine hydrochloride purum >98%(Cl); M.P. 174-177°; store in refrigerator				
88345	$\text{NHCH}_2\text{CH}_2\text{SCH}_2\text{CH}_2 \cdot \text{HCl}$ $\text{C}_4\text{H}_9\text{NS} \cdot \text{HCl}$ M_r 139.65 [5967-90-8]			1 g 10. —	5 g 42. —
	Thionalide [α -Mercapto-N-(2-naphthyl)acetamide]				
	$\text{C}_{10}\text{H}_7\text{NHCOCH}_2\text{SH}$ $\text{C}_{12}\text{H}_{11}\text{NOS}$ M_r 217.29 [93-42-5]				
88890	puriss. p.a. ~98%(RT); M.P. 111-113°; Ash (as SO_4) <0.05%; for the Determination of Heavy metals, specifically Ti			5 g 44. —	25 g 185. —
	Thionaphthene (1-Benzothiophene; Thianaphthene)				
	$\text{C}_8\text{H}_6\text{SCH}:\text{CH}$ $\text{C}_8\text{H}_6\text{S}$ M_r 134.20 [95-15-8]				
88900	purum >99%(GC); M.P. 30-32°; store in refrigerator			10 g 12. —	50 g 50. —
	Thio-2-naphthol (β) (2-Naphthalenethiol; 2-Naphthyl mercaptan)				
	$\text{C}_{10}\text{H}_7\text{SH}$ $\text{C}_{10}\text{H}_8\text{S}$ M_r 160.24 [91-60-1]				
88910	purum >99%(RT); M.P. 79-81°			10 g 25. —	50 g 105. —
	Thionicotinamide (Pyridine-3-thiocarboxylic amide)				
	6.1/21 $\text{N}:\text{CHC}(\text{CSNH}_2):\text{CHCH}:\text{CH}$ $\text{C}_6\text{H}_6\text{N}_2\text{S}$ M_r 138.19 [4621-66-3]				
88920	purum >98%(N); M.P. 190-195° dec.			25 g 14. —	100 g 50. —
	Thionine [C.I. Nr. 52000; Sch. Nr. 1036] (3,7-Diamino-5-phenothiazinium chloride; Lauthes Violet)				
	2- $\text{NH}_2\text{C}_6\text{H}_3\text{S}(\text{Cl}):\text{C}_6\text{H}_3-7\text{-NH}_2:\text{N}$ $\text{C}_{12}\text{H}_{10}\text{ClN}_3\text{S}$ M_r 263.75 [581-64-6]				
88930	Standard Fluka for Microscopy (Bact., Bot., Hist.)			5 g 12. —	10 g 22. —
	N-Thionylaniline (N-Sulfinyl-aniline)				
	$\text{C}_6\text{H}_5\text{NSO}$ $\text{C}_6\text{H}_5\text{NOS}$ M_r 139.18 [1122-83-4]				
88935	purum >99%(GC); B.P. 183°; d_4^{20} 1.235; Versatile reagent; e.g. for cycloadditions and for synthesis of heterocycles; O. Wichterle, J. Roček, Coll. Czech. Chem. Comm. 19, 282 (1954)			1 lt ≈ 1.24 kg	25 ml 17. —
				100 ml 60. —	
	Thionyl bromide pract. ~97%(Br); d_4^{20} 2.683				
88940	8/11a SOBr_2 Br_2OS M_r 207.88 [507-16-4]			1 lt ≈ 2.68 kg	25 ml 16. —
				100 ml 55. —	
	Thionyl chloride				
	8/11a SOCl_2 Cl_2OS M_r 118.97 [7719-09-7]				
88950	puriss. p.a. >99.5%; B.P. 78-79°; d_4^{20} 1.635; SO_2Cl_2 <0.03%; SCl_2 <0.03%			1 lt ≈ 1.64 kg	100 ml 10. —
				500 ml 37. —	
88952	purum >99%; B.P. 76-79°; d_4^{20} 1.64; SO_2Cl_2 <0.3%; SCl_2 <0.3%			1 lt ≈ 1.64 kg	500 ml 10. —
				1 lt 16. —	
	Thiooxine hydrochloride (8-Mercaptoquinoline hydrochloride; 8-Quinolinethiol hydrochloride)				
	$\text{HS}\text{C}_6\text{H}_3\text{N}:\text{CHCH}:\text{CH} \cdot \text{HCl}$ $\text{C}_9\text{H}_7\text{NS} \cdot \text{HCl}$ M_r 197.69 [34006-16-1]				
88960	purum p.a. >98%(T); M.P. ~175° dec.; for the photometric determination of Cu, Mn, Mo, Pd; Zhur. Anal. Khim. 13, 643 (1958); 14, 222, 313 (1959); 13, 507 (1958); ref. C.A. 53, 5966h, 12944b (1959); 54, 8457a (1960); 53, 5970 (1959)			1 g 45. —	5 g 190. —
	Thiopane see 87490 Tetrahydrothiophene				
	Thiophene purum >98%(GC); B.P. 83-85°; d_4^{20} 1.062; n_D^{20} 1.527				
88970	3/1a; -1° $\text{SCH}:\text{CHCH}:\text{CH}$ $\text{C}_4\text{H}_4\text{S}$ M_r 84.14 [110-02-1]			1 lt ≈ 1.06 kg	100 ml 10. —
				500 ml 37. —	
	Thiophene-2-acetic acid (2-Thienylacetic acid)				
	$\text{SCH}:\text{CHCH}:\text{CH}_2\text{COOH}$ $\text{C}_6\text{H}_6\text{O}_2\text{S}$ M_r 142.18 [1918-77-0]				
89015	purum >98%(T); M.P. 63-64°; 1 g clearly soluble in 100 ml water			10 g 20. —	50 g 85. —
	Thiophene-3-acetic acid purum >97%(T); M.P. 75-76° (3-Thienylacetic acid)				
89017	8/21 $\text{CH}:\text{CHSCH}:\text{CH}_2\text{COOH}$ $\text{C}_6\text{H}_6\text{O}_2\text{S}$ M_r 142.18 [6964-21-2]			5 g 18. —	25 g 75. —
	Thiophene-2-acetonitrile				
	6.1/21 $\text{SCH}:\text{CHCH}:\text{CHCH}_2\text{CN}$ $\text{C}_6\text{H}_5\text{NS}$ M_r 123.17 [1003-31-3]				
88971	pract. >97%(GC); B.P. 235-238°; d_4^{20} 1.156; n_D^{20} 1.452			1 lt ≈ 1.16 kg	25 ml 20. —
				100 ml 70. —	

				sFr.	sFr.
Thiophene-2-acetylchloride					
88973	8/22; 85°	$\text{SCH:CHCH:}\dot{\text{C}}\text{CH}_2\text{COCl}$ $\text{C}_6\text{H}_5\text{ClOS}$ M_r 160.62 [39098-97-0] purum >98%(GC); B.P. ₂₂ 105-106° (Lit.); d_4^{20} 1.304; n_D^{20} 1.551	1 lt ≈ 1.30 kg	10 ml 30. —	50 ml 120. —
Thiophene-2-carboxaldehyde (Thenaldehyde)					
88980	3/3; 54°	$\text{SCH:CHCH:}\dot{\text{C}}\text{CHO}$ $\text{C}_6\text{H}_4\text{OS}$ M_r 112.15 [98-03-3] purum >98%(GC); B.P. ₁₁ 75-77°; d_4^{20} 1.223; n_D^{20} 1.591; aspect: yellow-redbrown; store in refrigerator	1 lt ≈ 1.22 kg	25 ml 9. —	100 ml 30. —
Thiophene-3-carboxaldehyde					
88983		$\text{SCH:C(CHO)CH:}\dot{\text{C}}\text{H}$ $\text{C}_5\text{H}_4\text{OS}$ M_r 112.15 [498-62-4] pract. ~95%(GC); B.P. 194-196°; d_4^{20} 1.222; n_D^{20} 1.578; store in refrigerator	1 lt ≈ 1.22 kg	10 ml 28. —	50 ml 120. —
Thiophene-2-carbonyl chloride (α-Thenoyl chloride)					
89011	8/22	$\text{SCH:CHCH:}\dot{\text{C}}\text{COCl}$ $\text{C}_6\text{H}_3\text{ClOS}$ M_r 146.60 [5271-67-0] pract. >97%(Cl); B.P. 205-208°; d_4^{20} 1.372; n_D^{20} 1.590; store in refrigerator	1 lt ≈ 1.37 kg	25 ml 21. —	100 ml 75. —
Thiophene-2-carboxylic acid					
88990		$\text{SCH:CHCH:}\dot{\text{C}}\text{COOH}$ $\text{C}_5\text{H}_4\text{O}_2\text{S}$ M_r 128.15 [527-72-0] purum >98%(T); M.P. 125-127°; 1 g clearly soluble in 10 ml Methanol		25 g 9. —	100 g 30. —
Thiophene-2-methanol [2-(Hydroxymethyl)thiophene; Thenyl alcohol; 2-Thienyl carbinol]					
55880		$\text{SCH:CHCH:}\dot{\text{C}}\text{CH}_2\text{OH}$ $\text{C}_5\text{H}_6\text{OS}$ M_r 114.17 [636-72-6] purum >98%(GC); B.P. 207° (Lit.); d_4^{20} 1.207; n_D^{20} 1.564	1 lt ≈ 1.21 kg	25 ml 26. —	
Thiophenol (Phenyl mercaptan)					
89021	6.1/81a; 62°	$\text{C}_6\text{H}_5\text{SH}$ $\text{C}_6\text{H}_6\text{S}$ M_r 110.18 [108-98-5] purum >98%(GC); B.P. 169° (Lit.); d_4^{20} 1.078; n_D^{20} 1.589 1 lt ≈ 1.08 kg	50 ml 7. —	250 ml 17. —	1 lt 60. —
Thiophenol methyl ether see 88470 Thioanisole					
Thiophenoxyacetic acid see 78810 (Phenylmercapto)acetic acid					
Thiophosgene (Thiocarbonyl chloride)					
89030	6.1/12e	CSCl_2 CCl_2S M_r 114.98 [463-71-8] pract. ~97%(Cl); B.P. 70-75°; d_4^{20} 1.48-1.52; store in refrigerator; Review: S. Sharma, Synthesis 803 (1978)	1 lt ≈ 1.50 kg	25 ml 18. —	100 ml 65. —
L-Thioproline see 88400 L-Thiazolidine-4-carboxylic acid					
Thiosalicylic acid (2-Mercaptobenzoic acid)					
89040		$\text{HSC}_6\text{H}_4\text{COOH}$ $\text{C}_7\text{H}_6\text{O}_2\text{S}$ M_r 154.19 [147-93-3] puriss. p.a. >99%(T); M.P. 165-167°; for spectrophotometric determination of Cobalt; Microchem. J. 17, 388 (1972)		10 g 12. —	50 g 50. —
89042		purum >98%(T); M.P. 160-165°	25 g 13. —	100 g 45. —	500 g 190. —
Thiosemicarbazide					
89050	6.1/81d	$\text{NH}_2\text{CSNHNH}_2$ $\text{CH}_5\text{N}_3\text{S}$ M_r 91.14 [79-19-6] puriss. p.a. >99%(NT); M.P. 181-183° dec.; Ash (as SO_4) <0.05%	25 g 8. —	100 g 22. —	500 g 90. —
89051		purum >98%(NT)		250 g 20. —	1 kg 70. —
Thiosinamine see 06070 N-Allylthiourea					
2-Thiothenoyltrifluoroacetone [4,4,4-Trifluoro-1-(2-thienyl)-1-thio-1,3-butanedione; 1,1,1-Trifluoro-4-mercapto-4-(2-thienyl)-3-butene-2-one]					
89055		$\text{SCH:CHCH:}\dot{\text{C}}\text{CSCH}_2\text{COCF}_3$ $\text{C}_6\text{H}_5\text{F}_3\text{OS}_2$ M_r 238.25 [4552-64-1] purum M.P. 30-32°; very useful chelating reagent for thiophile metal ions. Separation and determination as their monothiothenoyl-trifluoroacetone complexes with pyridine by extraction spectrophotometry and reversed phase thin layer chromatography: T. Honjo, T. Fujioka, H. Itoh, T. Kiba, Analyt. Chem. 49, 2241 (1977); T. Honjo, R. Honda, Analyt. Chem. 49, 2246 (1977); E. Uhlemann, R. Morgenstern, Z.f.Chem. 17, 405 (1977)		1 g 11. —	5 g 46. —
2-Thiouracil (4-Hydroxy-2-mercaptopyrimidine)					
89060		$\text{N:C(SH)N:C(OH)CH:}\dot{\text{C}}\text{H}$ $\text{C}_4\text{H}_4\text{N}_2\text{OS}$ M_r 128.15 [141-90-2] puriss. ~98%(UV); M.P. >300°	25 g 9. —	100 g 30. —	500 g 125. —

				sFr.	sFr.
Thiourea (Sulfourea; Thiocarbamide)					
6.1/81d	NH_2CSNH_2 $\text{CH}_4\text{N}_2\text{S}$ M_r 76.12 [62-56-6]				
88810	puriss. p.a. M.P. 176-179°				100 g 7. — 500 g 17. — 1 kg 32. —
	Fluka-Guarantee:				
	Assay	>99.0 %	Lead (Pb)	<0.001 %	
	Chloride (Cl)	<0.005 %	Iron (Fe)	<0.001 %	
	Sulfate (SO_4)	<0.005 %	Zinc (Zn)	<0.001 %	
	Copper (Cu)	<0.001 %	Calcium (Ca)	<0.001 %	
88812	purum >97% (S); M.P. 172-178°				1 kg 14. —
Thiourea dioxide see 47710 Formamidinesulfonic acid					
Thioxanthone (9-Oxothioxanthene; Thioxanthen-9-one)					
	$\text{C}_6\text{H}_4\text{SC}_6\text{H}_4\text{CO}$ $\text{C}_{13}\text{H}_8\text{OS}$ M_r 212.27 [492-22-8]				
89110	purum >98% (UV); M.P. 208-210°				25 g 17. — 100 g 60. —
2-Thioxoimidazolidine see 03940 N,N'-Ethylenethiourea					
2-Thioxo-4-thiazolidinone see 83700 Rhodanine					
Thorin , APANS [1-(2-Arsonophenylazo)-2-naphthol-3,6-disulfonic acid Disodium salt; 2-(2-Hydroxy-3,6-disulfo-1-naphthylazo)phenylarsonic acid Disodium salt; Thoron(ol)]					
	$\text{H}_2\text{O}_3\text{AsC}_6\text{H}_4\text{N}:\text{NC}_{10}\text{H}_4(\text{SO}_3\text{Na})_2\text{OH}$ $\text{C}_{16}\text{H}_{11}\text{AsN}_2\text{Na}_2\text{O}_{10}\text{S}_2$ M_r 576.30				
	[132-33-2]				
89120	p.a. for the colorimetric determination of Th; Anal. Chem. 30, 1182 (1958)				1 g 7. — 10 g 20. — 50 g 85. —
Thorium					
	Th A_r 232.04 [7440-29-1]				
89130	purum powder ~99.5%; ThO_2 1%; CaO 0.02-0.1%; Fe_2O_3 0.005-0.02%; Tr_2O_3 0.01%				10 g 25. — 50 g 105. —
Thorium chloranilate (Chloranilic acid Thorium salt)					
	$(\text{O}:\text{C}_6\text{Cl}_2\text{O}:\text{O})_2\text{Th} \cdot 6\text{H}_2\text{O}$ $\text{C}_{12}\text{Cl}_4\text{O}_8\text{Th} \cdot 6\text{H}_2\text{O}$ M_r 754.07				
23410	p.a. for the spectrophotometric F'-determination; Anal. Chem. 32, 828 (1960)				10 g 20. — 50 g 85. —
89150	Thorium nitrate Hydrate puriss.				100 g 25. —
	$\text{Th}(\text{NO}_3)_4 \cdot \text{aq}$ $\text{N}_4\text{O}_{12}\text{Th} \cdot \text{aq}$ M_r 480.06 + aq [13823-29-5]				
89170	Thorium oxide puriss. Ce < 10 ppm; other Lanthanides < 10 ppm; Fe < 5 ppm				25 g 22. — 100 g 80. —
	ThO_2 O_2Th M_r 264.04 [1314-20-1]				
Thoron(ol) see 89120 Thorin					
L- and D-allo-Threonine see 05753 and 05756 L- and D-Allothreonine					
L-Threonine allofree (2-Amino-3-hydroxybutyric acid)					
	$\text{CH}_3\text{CH}(\text{OH})\text{CH}(\text{NH}_2)\text{COOH}$ $\text{C}_4\text{H}_9\text{NO}_3$ M_r 119.12 [72-19-5]				
89180	puriss. p.a. $[\alpha]_{\text{D}}^{20} - 33.0 \pm 0.5^\circ$; $[\alpha]_{\text{D}}^{20} - 29.0 \pm 0.5^\circ$ (c = 5 in water)				25 g 20. — 100 g 60. — 1 kg 440. —
	Fluka-Guarantee:				
	Assay	>99.0 %	Ammonium (NH_4)	<0.05 %	
	Other amino acids	<0.3 %	Copper (Cu)	<0.0001 %	
	Loss on drying	<0.1 %	Lead (Pb)	<0.0001 %	
	Residue on ignition (as SO_4)	<0.1 %	Iron (Fe)	<0.0005 %	
	Chloride (Cl)	<0.01 %	Zinc (Zn)	<0.0001 %	
	Sulfate (SO_4)	<0.01 %	Cadmium (Cd)	<0.0001 %	
89190	D-Threonine allofree puriss. CHR; $[\alpha]_{\text{D}}^{20} + 33.0 \pm 3^\circ$ (c = 5 in water)				10 g 30. — 50 g 125. —
	$\text{CH}_3\text{CH}(\text{OH})\text{CH}(\text{NH}_2)\text{COOH}$ $\text{C}_4\text{H}_9\text{NO}_3$ M_r 119.12 [632-20-2]				
89200	DL-Threonine allofree puriss. CHR >99% (NT); M.P. ~245° dec.				10 g 10. — 50 g 37. —
	$\text{CH}_3\text{CH}(\text{OH})\text{CH}(\text{NH}_2)\text{COOH}$ $\text{C}_4\text{H}_9\text{NO}_3$ M_r 119.12 [80-68-2]				
89210	L-Threonine methyl ester purum				5 g 32. —
	$\text{CH}_3\text{CH}(\text{OH})\text{CH}(\text{NH}_2)\text{COOCH}_3$ $\text{C}_5\text{H}_{11}\text{NO}_3$ M_r 133.15 [3373-59-9]				
89230	α + β-Thujone techn. d_4^{20} 0.915; n_{D}^{20} 1.459; store in refrigerator				1 lt ~ 0.92 kg 10 ml 25. — 50 ml 105. —
	$\text{C}_{10}\text{H}_{16}\text{O}$ M_r 152.24 [546-80-5] + [471-15-8]				
89240	Thulium puriss. 99.9% + 0.1% Er + Yb + other traces				1 g 160. —
	Tm A_r 168.93 [7440-30-4]				



		sFr.	sFr.
89250	Thulium oxide puriss. >99.9% + 0.1% Er ₂ O ₃ + other traces Tm ₂ O ₃ O ₃ Tm ₂ M _r 385.87 [12036-44-1]	250 mg 13.—	1 g 45.—
89270	Thymidine [1-(2-Deoxy-β-D-ribofuranosyl)thymine; Thymine deoxyriboside] C ₁₀ H ₁₄ N ₂ O ₅ M _r 242.23 [50-89-5] puriss. CHR ~99% (UV); M.P. 186-188°; [α] _D ²⁰ + 23±1°; [α] _D ²⁰ + 19±1° (c = 1 in water)	1 g 25.—	5 g 105.—
89290	Thymidine-5'-monophosphate Disodium salt , 5'-TMP-Na ₂ (5'-Thymidylic acid Sodium salt) C ₁₀ H ₁₃ N ₂ Na ₂ O ₈ P·2H ₂ O M _r 402.21 [33430-62-5] purum ~97% (NT); M.P. ~215° dec.; [α] _D ²⁰ - 5.6±0.3°; [α] _D ²⁰ - 5.0±0.3° (c = 1 in 0.5m Na ₂ HPO ₄); store in refrigerator	250 mg 24.—	1 g 90.—
89310	Thymine (2,4-Dihydroxy-5-methylpyrimidine; 5-Methyluracil) N:C(OH)N:C(OH)C(CH ₃):CH C ₅ H ₆ N ₂ O ₂ M _r 126.12 [65-71-4] purum >97% (UV); M.P. ~320° dec.	10 g 11.—	50 g 46.—
	Thymine deoxyriboside see 89270 Thymidine		
	Thyminosose see 31170 2-Deoxy-D-ribose		
89330	Thymol (2-Isopropyl-5-methylphenol) CH ₃ C ₆ H ₃ (OH)CH(CH ₃) ₂ C ₁₀ H ₁₄ O M _r 150.22 [89-83-8] purum cryst. Ph. Helv.; >99% (GC); M.P. 49-51°; Ash <0.05%; 1 g clearly soluble in 10 ml Dioxane	100 g 11.—	500 g 44.—
89340	Thymol Blue (Thymolsulfonphthalein) C ₂₇ H ₃₀ O ₅ S M _r 466.60 [76-61-9] Standard Fluka Indicator pH 1.2-2.8/pH 8.0-9.6	10 g 13.—	50 g 55.—
89350	Thymol Blue Sodium salt (Thymolsulfonphthalein Sodium salt) NaO ₃ SC ₆ H ₄ C[C ₆ H ₂ -2-CH ₃ -5-CH(CH ₃) ₂ -4-OH]:C ₆ H ₂ -2-CH ₃ -5-CH(CH ₃) ₂ -4-O C ₂₇ H ₂₉ NaO ₅ S M _r 488.58 Standard Fluka Indicator pH 1.2-2.8/pH 8.0-9.6	5 g 8.—	25 g 31.—
89360	Thymolphthalein Standard Fluka Indicator pH 9.3-10.5; M.P. 248-252°; Ash <1% C ₂₈ H ₃₀ O ₄ M _r 430.55 [125-20-2]	10 g 12.—	50 g 37.—
89361	Thymophthaleinmonophosphate-2-amino-2-ethyl-1,3-propanediol salt C ₃₃ H ₄₄ NO ₆ P M _r 581.70 purum M.P. ~195° dec.	1 g 22.—	5 g 90.—
89362	Thymolphthaleinphosphate Disodium salt purum C ₂₈ H ₂₉ Na ₂ O ₇ P·aq M _r 554.49 + aq [28749-63-5]	1 g 9.—	5 g 32.—
89364	Thymolphthaleinphosphate Magnesium salt purum C ₂₈ H ₂₉ MgO ₇ P·aq M _r 532.83 + aq [35106-21-9]	1 g 8.—	5 g 26.—
89365	Thymolphthalexon (Thymolphthalein-3',3''-bis(methyliminodiacetic acid Sodium salt); 3',3''-Bis[N,N-di(carboxymethyl)aminomethyl]thymolphthalein) C ₃₈ H ₄₄ N ₂ O ₁₂ (as acid) M _r 720.78 [1913-93-5] Standard Fluka Indicator for Complexometry; Ash 5-10%; Determ.: Ba, Ca, Sr; R. Pribil, Komplexometrie I, 46 (1960)	1 g 12.—	5 g 50.—
	Thymolsulfonphthalein see 89340 Thymol Blue		
	Thymolsulfonphthalein-3',3''-bis(methylaminoacetic acid Sodium salt) see 50120 Glycine Thymol Blue		
	Thymolsulfonphthalein-3',3''-bis(methyliminodiacetic acid Sodium salt) see 69410 Methylthymol Blue Sodium salt		
	Thymolsulfonphthalein Sodium salt see 89350 Thymol Blue Sodium salt		
89370	Thymonucleic acid ex calf thymus high-molecular weight (DNA) p.a. Substrate for Deoxyribonuclease; store in refrigerator	100 mg 38.—	1 g 300.—
89380	Thymonucleic acid Sodium salt ex Calf thymus (Deoxyribonucleic acid high-molecular weight Sodium salt) M _r ~1 200 000 puriss. according to Hammarsten; store in refrigerator	100 mg 38.—	1 g 300.—

			sFr.	sFr.
89400	DL-Thyronine puriss. ~99%(NT); M.P. 260-280° dec.; Ash <0.05% $\text{HOC}_6\text{H}_4\text{OC}_6\text{H}_4\text{CH}_2\text{CH}(\text{NH}_2)\text{COOH}$ $\text{C}_{15}\text{H}_{15}\text{NO}_4$ M_r 273.29 [1034-10-2]		100 mg 9. —	1 g 40. —
	L-Thyroxine (3,3',5,5'-Tetraiodo-L-thyronine) $\text{HOC}_6\text{H}_2\text{I}_2\text{OC}_6\text{H}_2\text{I}_2\text{CH}_2\text{CH}(\text{NH}_2)\text{COOH}$ $\text{C}_{15}\text{H}_{11}\text{I}_4\text{NO}_4$ M_r 776.90 [51-48-9]			
89405	purum >98%(NT); M.P. 234-236° dec.; $[\alpha]_{546}^{20} - 7.0 \pm 0.5^\circ$; $[\alpha]_{\text{D}}^{20} - 5.2 \pm 0.5^\circ$ (c = 1 in 1n NaOH + $\text{C}_2\text{H}_5\text{OH}$ 1:2)		250 mg 14. —	1 g 50. —
	D-Thyroxine (3,3',5,5'-Tetraiodo-D-thyronine) 6.1/81g $\text{HOC}_6\text{H}_2\text{I}_2\text{OC}_6\text{H}_2\text{I}_2\text{CH}_2\text{CH}(\text{NH}_2)\text{COOH}$ $\text{C}_{15}\text{H}_{11}\text{I}_4\text{NO}_4$ M_r 776.88 [51-49-0]			
89410	purum M.P. 230-240° dec.; $[\alpha]_{546}^{20} + 4.8 \pm 0.8^\circ$ (c = 1 in 1n NaOH + $\text{C}_2\text{H}_5\text{OH}$ 1:2)		250 mg 20. —	1 g 70. —
89420	DL-Thyroxine puriss. CHR; M.P. 230-240° dec.; Ash <0.05% 6.1/81g $\text{HOC}_6\text{H}_2\text{I}_2\text{OC}_6\text{H}_2\text{I}_2\text{CH}_2\text{CHNH}_2\text{COOH}$ $\text{C}_{15}\text{H}_{11}\text{I}_4\text{NO}_4$ M_r 776.88 [300-30-1]		250 mg 24. —	1 g 90. —
	L-Thyroxine Sodium salt 6.1/81g $\text{HOC}_6\text{H}_2\text{I}_2\text{OC}_6\text{H}_2\text{I}_2\text{CH}_2\text{CH}(\text{NH}_2)\text{COONa} \cdot 5\text{H}_2\text{O}$ $\text{C}_{15}\text{H}_{10}\text{I}_4\text{NNaO}_4 \cdot 5\text{H}_2\text{O}$ M_r 888.94 [6106-07-6]			
89430	purum $[\alpha]_{546}^{20} + 20 \pm 1^\circ$; $[\alpha]_{\text{D}}^{20} + 15 \pm 1^\circ$ (c = 2 in 1n HCl + $\text{C}_2\text{H}_5\text{OH}$ 1:4)	250 mg 8. —	1 g 25. —	5 g 105. —
	D-Thyroxine Sodium salt $\text{HOC}_6\text{H}_2\text{I}_2\text{OC}_6\text{H}_2\text{I}_2\text{CH}_2\text{CH}(\text{NH}_2)\text{COONa} \cdot 5\text{H}_2\text{O}$ $\text{C}_{15}\text{H}_{10}\text{I}_4\text{NNaO}_4 \cdot 5\text{H}_2\text{O}$ M_r 888.94 [137-53-1]			
89425	purum $[\alpha]_{546}^{20} - 20 \pm 1^\circ$; $[\alpha]_{\text{D}}^{20} - 15 \pm 1^\circ$ (c = 2 in 1n NaOH + $\text{C}_2\text{H}_5\text{OH}$ 1:4)	250 mg 12. —		1 g 40. —
	TIBA see 91970 2,3,5-Triiodobenzoic acid			
	Tiglic acid (trans-2,3-Dimethylacrylic acid; trans-2-Methyl-2-butenic acid) $\text{CH}_3\text{CH}:\text{C}(\text{CH}_3)\text{COOH}$ $\text{C}_5\text{H}_8\text{O}_2$ M_r 100.12 [80-59-1]			
89450	purum >97%(GC); M.P. 61-64°; 1 g clearly soluble in 10 ml Methanol	25 g 14. —		100 g 50. —
	Tiglic aldehyde (trans-2,3-Dimethylacrolein; trans-2-Methyl-2-butenal; Tiglinaldehyde) 3/1a; 21° $\text{CH}_3\text{CH}:\text{C}(\text{CH}_3)\text{CHO}$ $\text{C}_5\text{H}_8\text{O}$ M_r 84.12 [497-03-0]			
89449	purum >97%(GC); B.P. 115-118°; d_4^{20} 0.865; n_{D}^{20} 1.447	1 lt ≈ 0.87 kg	5 ml 13. —	25 ml 55. —
	Tiglinaldehyde see 89449 Tiglic aldehyde			
	Tin Sn A_r 118.69 [7440-31-5]			
96520	puriss. Sticks 99.999% zone refined for electronic work; Bi <1 ppm; Cu <0.5 ppm; Ge <1 ppm; In <1 ppm; Pb <1 ppm	25 g 14. —		100 g 50. —
96521	purum 99.9%; granulated 1-4 mm	100 g 11. —		500 g 44. —
96522	purum powder 99.9%	100 g 12. —		500 g 50. —
96523	Tin (Coating quality BALZERS) 99.9995%; Mesh size 1.5-3.5 mm	100 g 65. —		500 g 220. —
	Tin(II) chloride see 96530 Stannous chloride			
96550	Tin(IV) oxide purum SnO_2 O_2Sn M_r 150.69 [18282-10-5]	100 g 9. —		500 g 34. —
	Tiron (Pyrocatechol-3,5-disulfonic acid Disodium salt) $(\text{HO})_2\text{C}_6\text{H}_2(\text{SO}_3\text{Na})_2$ $\text{C}_6\text{H}_4\text{Na}_2\text{O}_6\text{S}_2$ M_r 314.20 [149-45-1]			
89460	p.a. Indicator for Complexometry; Helv. Chim. Acta 34, 528 (1951)	10 g 7. —	25 g 13. —	100 g 45. —
	Titan Yellow see 88390 Thiazole Yellow G			
89470	Titanium purum powder >98.5% Ti A_r 47.90 [7440-32-6]	25 g 10. —		100 g 32. —
89473	Titanium (Coating quality BALZERS) 99%; Mesh size 0.2-1.5 mm	10 g 30. —		100 g 170. —
	"Titanium-acetylacetonate" see 38435 Diisopropoxy-titanium bis(acetylacetonate)			
89480	Titanium carbide purum 4.3/2a TiC CTi M_r 59.91 [12070-08-5]	50 g 12. —		250 g 50. —
	Titanium(III) chloride see 89487 Titanium trichloride			
	Titanium(IV) chloride see 89545 Titanium tetrachloride			

			sFr.	sFr.
89490	Titanium dioxide purum >99% [Titanium(IV) oxide] TiO ₂ O ₂ Ti M _r 79.90 [13463-67-7]		1 kg 14. —	5 kg 60. —
89500	Titanium hydride purum powder >99.5% 4.3/2b TiH ₂ H ₂ Ti M _r 49.92 [7704-98-5]		100 g 25. —	500 g 105. —
	Titanium monoxide (Coating quality BALZERS)			
89501	99.5%; Mesh size 1.5-3.5 mm		10 g 28. —	100 g 150. —
89502	99.5%; Mesh size 0.7-1.5 mm		10 g 28. —	100 g 150. —
89503	99.5%; Tablets		10 g 28. —	100 g 150. —
	Titanium(IV) oxide see 89490 Titanium dioxide			
	Titanium tetrachloride [Titanium(IV) chloride] 8/11a TiCl ₄ Cl ₄ Ti M _r 189.71 [7550-45-0]			
89545	puriss. >99%(Cl); B.P. 135-136°; d ₄ ²⁰ 1.729; Review: T. Mukaiyama, Angew. Chem. 89, 858 (1977)	1 lt ≈ 1.73 kg	250 ml 24. —	1 lt 90. —
89541	pract. >98%(Cl); n _D ²⁰ 1.729	1 lt ≈ 1.73 kg	500 ml 15. —	1 lt 28. —
	Titanium trichloride [Titanium(III) chloride] 4.2/6d TiCl ₃ Cl ₃ Ti M _r 154.26 [7705-07-9]			
89487	pract. reacts violently with water; Reducing agent; M. Fieser and L. Fieser, "Reagent for Organic Synthesis" 2, 415; 4, 506; 5, 669; 6, 587; Review: J.E. McMurray, Acc. Chem. Res. 7, 281 (1974)		100 g 90. —	
	Titanocene dichloride [Dicyclopentadienyl-titanium(IV) dichloride] CH:CHCH:CHCHTi(Cl) ₂ CHCH:CHCH:CH C ₁₀ H ₁₀ Cl ₂ Ti M _r 248.93 [1271-19-8]			
89530	purum >97%(Cl); M.P. 270-280° dec.		10 g 28. —	50 g 120. —
	TLCK see 90182 N _α -p-Tosyl-L-lysine chloromethylketone hydrochloride			
	TMAB see 87700 Tetramethylammonium borohydride			
	TMCS see 92360 Trimethylchlorosilane			
	TMDS see 87830 1,1,3,3-Tetramethyldisilazane			
	5'-TMP-Na₂ see 89290 Thymidine-5'-monophosphate Disodium salt			
	TMSDEA see 32575 N,N-Diethyl-trimethylsilylamine			
	TMSDMA see 41720 N,N-Dimethyltrimethylsilylamine			
	TNBT see 87961 Tetranitroblue tetrazolium chloride			
	TNS see 89653 6-(4-Toluidino)-2-naphthalenesulfonic acid			
	Tobias acid see 70840 2-Naphthylamine-1-sulfonic acid			
89550	(+)-α-Tocopherol natural puriss. ~99%(UV); n _D ²⁰ 1.505; store in refrigerator (Vitamin E) C ₂₉ H ₅₀ O ₂ M _r 430.72 [59-02-9]		100 mg 75. —	
	DL-α-Tocopherol see 95240 Vitamin E			
	DL-α-Tocopheryl acetate see 95250 Vitamin E-acetate			
	Tolan see 42700 Diphenylacetylene			
	Tolazoline hydrochloride see 13480 2-Benzyl-2-imidazoline hydrochloride			
	o-Tolidine (3,3'-Dimethylbenzidine) 6.1/81g NH ₂ (CH ₃)C ₆ H ₃ C ₆ H ₃ (CH ₃)NH ₂ C ₁₄ H ₁₆ N ₂ M _r 212.30 [119-93-7]			
89580	puriss. p.a.; M.P. 129-131°; Determination: Au, Ce, Cl ⁻ , free halogens, Mn; Inhalation and contact with skin should be avoided Fluka-Guarantee: Assay >98.0% Sulfate ash <0.1% Appearance: light brownish Sensitivity: 1 ml of a 0.1% crystal powder Hydrochloric acid solution gives 0.1 g clearly and colourless soluble with 0.0025 mg active chlorine a in 2% Hydrochloric acid evident yellow coloration	25 g 9. —	100 g 30. —	500 g 125. —
89582	pract. >98%(NT); M.P. 127-130°; Inhalation and contact with skin should be avoided		100 g 18. —	500 g 75. —
89583	techn. ~85%(NT); H ₂ O ~10-15%; Inhalation and contact with skin should be avoided		250 g 22. —	1 kg 80. —



sFr.

sFr.

Tolualdehyde see Toluyaldehyde**Toluene**3/1a; 4° $C_6H_5CH_3$ C_7H_8 M_r 92.14 [108-88-3]

89680 puriss. Standard for GC; >99.9%(GC); B.P. 110-111°; d_4^{20} 0.866; n_D^{20} 1.497 1 lt ≈ 0.87 kg 5 ml 20. — 25 ml 85. —

89683 for HPLC; B.P. 110°; n_D^{20} 1.497; UV cut-off 285 nm; solvent strength ϵ (Al_2O_3) 0.29; H_2O <0.05% 1 lt ≈ 0.87 kg 1 lt 14. — 2.5 lt 31. —

89681 puriss. p.a. B.P. 110-111°; d_4^{20} 0.867; n_D^{20} 1.497 1 lt ≈ 0.87 kg 1 lt 12. — 2.5 lt 26. —

Fluka-Guarantee:

Assay (GC)	>99.5 %	Manganese (Mn)	<0.000005%
H_2SO_4 -Probe	passes test	Potassium (K)	<0.000005%
Thiophene	<0.0005 %	Sodium (Na)	<0.000005%
Water (H_2O)	<0.05 %	Iron (Fe)	<0.000005%
Residue on evaporation	<0.001 %	Copper (Cu)	<0.000005%
Free acid (as HCl)	<0.001 %	Lead (Pb)	<0.000005%
Free alkali (as NaOH)	<0.001 %	Cadmium (Cd)	<0.000005%
Calcium (Ca)	<0.00001 %	Zinc (Zn)	<0.000005%
Chromium (Cr)	<0.000005%		

89682 purum >99%(GC); B.P. 110-111°; d_4^{20} 0.866; n_D^{20} 1.497; free of Methylthiophene 1 lt ≈ 0.87 kg 1 lt 10. — 5 lt 37. —

89685 **Toluene chromiumtricarbonyl** purum [Chromium(I) tolyl tricarbonyl] 1 g 16. — 5 g 67. —
6.1/21 $C_{10}H_8CrO_3$ M_r 228.17 [12083-24-8]

2,4-, 2,6- and 3,4-Toluenediamine see 33360, 33370 and 33380 2,4-, 2,6- and 3,4-Diaminotoluene

2,5-Toluenediamine sulfate see 33390 2,5-Diaminotoluene sulfate

Toluene-2,4-diisocyanate see 89870 Toluylene-2,4-diisocyanate

Toluene-3,4-dithiol (3,4-Dimercaptotoluene; "Dithiol")6.1/81a $CH_3C_6H_3(SH)_2$ $C_7H_8S_2$ M_r 156.27 [496-74-2]

89700 p.a. ~95%(GC); M.P. 30-32°; B.P. 70-72°; for the colorimetric determination of: Mo, Sn, W; Z. analyt. Chem. 169, 218 (1959); very hygroscopic; store in refrigerator 1 g 12. — 5 g 50. —

Toluene-4-sulfonic acid Lithium salt (Lithium toluene-4-sulfinate) $CH_3C_6H_4SO_2Li$ $C_7H_7LiO_2S$ M_r 162.14 [16844-27-2]

89710 purum anhydrous >99%(NT); Loss on drying <0.05%; Lithiumcarbonate <0.05% 25 g 22. — 100 g 80. —

Toluene-4-sulfonic acid Sodium salt anhydrous (Sodium toluene-4-sulfinate) $CH_3C_6H_4SO_2Na$ $C_7H_7NaO_2S$ M_r 178.18 [824-79-3]

89720 purum ~98%(NT); anhydrous 100 g 18. — 500 g 75. —

89749 **Toluene-4-sulfonamide** purum >98%(S); M.P. 135-137° 250 g 9. — 1 kg 30. —
 $CH_3C_6H_4SO_2NH_2$ $C_7H_9NO_2S$ M_r 171.22 [70-55-3]

Toluene-4-sulfonhydrazide see 89791 Toluene-4-sulfonic acid hydrazide

Toluene-4-sulfonic acid Monohydrate8/21 $CH_3C_6H_4SO_3H \cdot H_2O$ $C_7H_9O_3S \cdot H_2O$ M_r 190.22 [6192-52-5]

89760 puriss. p.a. ~99%(T); M.P. 103-105°; 1 g clearly soluble in 10 ml water; for Acetyl determination: F. Pregl, H. Roth, Quant. organ. Microanalyse 239 (1958); For a mild hydrolysis of proteins with subsequent quantitative estimation of tryptophan: T.Y. Lin and Y.H. Chang, J. Biol. Chem. 246, 2842 (1971) 100 g 8. — 500 g 26. —

89762 pract. ~97%(T); M.P. 97-102° 1 kg 12. — 5 kg 50. —

89780 **Toluene-4-sulfonic acid Barium salt** purum (Barium toluene-4-sulfonate) 100 g 25. —
 $(CH_3C_6H_4SO_3)_2Ba$ $C_{14}H_{14}BaO_6S_2$ M_r 479.73 [2090-08-6]

Toluene-4-sulfonic acid hydrazide (Toluene-4-sulfonhydrazide; Tosylhydrazide) $CH_3C_6H_4SO_2NHNH_2$ $C_7H_{10}N_2O_2S$ M_r 186.23 [1576-35-8]

89791 purum ~98%(S); M.P. 108-111°; 1 g clearly soluble in 50 ml Methylenechloride 25 g 20. — 100 g 70. —

89792 pract. ~97%(S); M.P. 105-108° 100 g 35. — 500 g 145. —

Toluene-4-sulfonic acid Silver salt see 85320 Silver toluene-4-sulfonate

89811 **Toluene-4-sulfonic acid Sodium salt** techn. ~90% + ~10% H_2O 1 kg 12. — 5 kg 50. —
8/21 $CH_3C_6H_4SO_3Na$ $C_7H_7NaO_3S$ M_r 194.19 [657-84-1]



					sFr.	sFr.
89775	Toluene-4-sulfonic anhydride purum M.P. 124-128° 8/21 $\text{CH}_3\text{C}_6\text{H}_4\text{SO}_2\text{OO}_2\text{SC}_6\text{H}_4\text{CH}_3$ $\text{C}_{14}\text{H}_{14}\text{O}_6\text{S}_2$ M_r 326.38 [4124-41-8]				10 g 30. —	50 g 125. —
	Toluene-4-sulfonyl chloride (Tosyl chloride) 8/12 $\text{CH}_3\text{C}_6\text{H}_4\text{SO}_2\text{Cl}$ $\text{C}_7\text{H}_7\text{ClO}_2\text{S}$ M_r 190.65 [98-59-9]					
89730	puriss. p.a. >99% (Cl); M.P. 68-69°; 5 g clearly soluble in 25 ml Methylenechloride				100 g 9. —	500 g 32. —
89732	purum >98% (Cl); M.P. 66-68°				250 g 10. —	500 g 18. —
	α-Toluenesulfonyl chloride see 78826 Phenylmethane sulfonylchloride					
	N-(Toluene-4-sulfonyl)dimethylsulfoximine see 41703 Dimethyl-N-p-toluenesulfonylsulfoximine					
	α-Toluenesulfonyl fluoride see 78830 Phenylmethane sulfonylfluoride					
89812	1-(Toluene-4-sulfonyl)-imidazole (1-Tosylimidazole) $\text{CH}_3\text{C}_6\text{H}_4\text{SO}_2\text{NCH:CHN:CH}$ $\text{C}_{10}\text{H}_{10}\text{N}_2\text{O}_2\text{S}$ M_r 222.27 [2232-08-0] purum >99% (S); M.P. 76-78°; Reagent for polynucleotide synthesis; Yu. A. Berlin et al., THL 1353 (1973); reagent for selective tosylation: D. R. Fricks, B. Fraser-Ried, Synthesis 203 (1974)				5 g 20. —	25 g 85. —
89815	Toluene-4-sulfonyl isocyanate (Tosyl isocyanate) 6.1/21 $\text{CH}_3\text{C}_6\text{H}_4\text{SO}_2\text{NCO}$ $\text{C}_8\text{H}_7\text{NO}_3\text{S}$ M_r 197.21 [4083-64-1] purum >98% (S); B.P. 144° (Lit.); d_4^{20} 1.295; n_D^{20} 1.535		1 lt $\approx$ 1.30 kg		50 ml 13. —	250 ml 55. —
89816	Toluene-4-sulfonylmethyl isocyanide , TOSMIC (Tosylmethyl isocyanide) 6.1/21 $\text{CH}_3\text{C}_6\text{H}_4\text{SO}_2\text{CH}_2\text{NC}$ $\text{C}_9\text{H}_9\text{NO}_2\text{S}$ M_r 195.24 [36635-61-7] purum >98% (S); M.P. 111-113°; Reviews: D. Heppe, Angew. Chem. 86, 878 (1974); U. Schöllkopf, Angew. Chem. 89, 359 (1977)				5 g 21. —	25 g 90. —
	4-Toluenethiol see 88860 p-Thiocresol					
	α-Toluenethiol see 13540 Benzyl mercaptan					
89600	Toluhydroquinone (Methylhydroquinone) $\text{CH}_3\text{C}_6\text{H}_3(\text{OH})_2$ $\text{C}_7\text{H}_8\text{O}_2$ M_r 124.14 [95-71-6] purum >98% (HPLC); M.P. 126-128°; Ash <0.05%; 1 g clearly soluble in 10 ml Methanol				100 g 12. —	500 g 50. —
89880	o-Toluic acid (2-Methylbenzoic acid) $\text{CH}_3\text{C}_6\text{H}_4\text{COOH}$ $\text{C}_8\text{H}_8\text{O}_2$ M_r 136.15 [118-90-1] puriss. >99.5% (T); M.P. 103-105°; Ash <0.05%				100 g 18. —	500 g 75. —
89882	purum >99% (T); M.P. 102-104°; Ash <0.05%				500 g 13. —	2.5 kg 55. —
89890	m-Toluic acid (3-Methylbenzoic acid) $\text{CH}_3\text{C}_6\text{H}_4\text{COOH}$ $\text{C}_8\text{H}_8\text{O}_2$ M_r 136.15 [99-04-7] puriss. >99% (T); M.P. 109-111°				100 g 22. —	500 g 90. —
89892	pract. >98% (T); M.P. 107-110°				250 g 10. —	1 kg 35. —
89902	p-Toluic acid purum >99% (T); M.P. 180-182°; Ash $\sim$ 0.3% (4-Methylbenzoic acid) $\text{CH}_3\text{C}_6\text{H}_4\text{COOH}$ $\text{C}_8\text{H}_8\text{O}_2$ M_r 136.15 [99-94-5]				250 g 16. —	1 kg 55. —
	m-Toluic acid diethylamide see 32570 N,N-Dimethyl-m-toluamide					
89610	o-Toluidine (2-Methylaniline) 6.1/21o; 85° $\text{CH}_3\text{C}_6\text{H}_4\text{NH}_2$ $\text{C}_7\text{H}_9\text{N}$ M_r 107.16 [95-53-4] puriss. p.a. for Blood-sugar determination; B.P. 118-90°; d_4^{20} 0.998; n_D^{20} 1.572		1 lt $\approx$ 1.00 kg	100 ml 8. —	500 ml 20. —	1 lt 38. —
	Fluka-Guarantee:					
	Assay (GC) >99.5 %	Nickel (Ni)	<0.00001 %			
	Aspect (A.P.H.A.) <50 Hazen	Copper (Cu)	<0.00001 %			
	Water (H ₂ O) <0.1 %	Cadmium (Cd)	<0.00001 %			
	Iron (Fe) <0.0001 %	Zinc (Zn)	<0.00001 %			
	Cobalt (Co) <0.00001 %					
89612	pract. >98% (GC); d_4^{20} 0.998; n_D^{20} 1.572		1 lt $\approx$ 1.00 kg		1 lt 14. —	



				sFr.	sFr.
m-Toluidine (3-Methylaniline)					
6.1/21o; 90° $\text{CH}_3\text{C}_6\text{H}_4\text{NH}_2$ $\text{C}_7\text{H}_9\text{N}$ M_r 107.16 [108-44-1]					
89620	puriss. p.a. B.P. 86-87°; d_4^{20} 0.989; n_D^{20} 1.567	1 lt $\approx$ 0.99 kg	100 ml	9. —	500 ml 32. —
Fluka-Guarantee:					
Assay (GC)		>99.0 %	Nickel (Ni)	<0.00001 %	
o-Toluidine and			Copper (Cu)	<0.00001 %	
p-Toluidine (GC)		<0.5 %	Lead (Pb)	<0.00001 %	
Iron (Fe)		<0.00005 %	Cadmium (Cd)	<0.00001 %	
Cobalt (Co)		<0.00001 %	Zinc (Zn)	<0.00001 %	
89622	pract. >98% (GC); B.P. 200-203°; d_4^{20} 0.989; n_D^{20} 1.567	1 lt $\approx$ 0.99 kg	250 ml	10. —	1 lt 32. —
p-Toluidine (4-Methylaniline)					
6.1/21o; 87° $\text{CH}_3\text{C}_6\text{H}_4\text{NH}_2$ $\text{C}_7\text{H}_9\text{N}$ M_r 107.16 [106-49-0]					
89630	puriss. p.a. >99% (GC); M.P. 43-45°		100 g	12. —	500 g 50. —
89632	purum >99% (GC); M.P. 42-44°		250 g	10. —	1 kg 32. —
Toluidine Blue [C.I. Nr. 52040; Sch. Nr. 1041]					
3- $\text{CH}_3\text{C}_6\text{H}_2$ -2- $\text{NH}_2\text{S}(\text{Cl})\text{:C}_6\text{H}_3$ -7- $\text{N}(\text{CH}_3)_2\text{:N}$ $\text{C}_{15}\text{H}_{16}\text{ClN}_3\text{S}$ M_r 305.83 [92-31-9]					
89640	Standard Fluka for Microscopy (Hist., Vit.)		25 g	17. —	100 g 60. —
89645	m-Toluidine chromium tricarbonyl purum (Chromium m-toluidine tricarbonyl)		1 g	16. —	5 g 67. —
6.1/21 $\text{C}_{10}\text{H}_9\text{CrNO}_3$ M_r 243.19 [36352-77-9]					
89648	o-Toluidine hydrochloride purum >99% (Cl); M.P. 216-218°		100 g	14. —	500 g 60. —
6.1/21 $\text{CH}_3\text{C}_6\text{H}_4\text{NH}_2\cdot\text{HCl}$ $\text{C}_7\text{H}_9\text{N}\cdot\text{HCl}$ M_r 143.62 [636-21-5]					
89650	p-Toluidine hydrochloride purum >99% (Cl); M.P. 243-245°		100 g	10. —	500 g 40. —
$\text{CH}_3\text{C}_6\text{H}_4\text{NH}_2\cdot\text{HCl}$ $\text{C}_7\text{H}_9\text{N}\cdot\text{HCl}$ M_r 143.62 [540-23-8]					
6-(4-Toluidino)-2-naphthalenesulfonic acid (2,6-TNS)					
$\text{C}_6\text{H}_5\text{NHC}_{10}\text{H}_6\text{SO}_3\text{H}$ $\text{C}_{16}\text{H}_{13}\text{NO}_3\text{S}$ M_r 299.35 [20096-53-1]					
89653	purum $\sim$ 97% (T); Fluorescent probe in studies of protein conformations: A. O. Barel, J. P. Prieels, Eur. J. Biochem. 50, 463 (1975); L. R. Yarbrough, C. W. Wu, J. Biol. Chem. 249, 4079 (1974)		1 g	16. —	5 g 67. —
o-Tolunitrile (2-Methylbenzonitrile)					
6.1/21; 82° $\text{CH}_3\text{C}_6\text{H}_4\text{CN}$ $\text{C}_8\text{H}_7\text{N}$ M_r 117.15 [529-19-1]					
89660	purum >99% (GC); M.P. -13--11°; B.P. 83-85°; d_4^{20} 0.992; n_D^{20} 1.528	1 lt $\approx$ 0.99 kg	250 ml	13. —	1 lt 45. —
m-Tolunitrile (3-Methylbenzonitrile)					
6.1/21 $\text{CH}_3\text{C}_6\text{H}_4\text{CN}$ $\text{C}_8\text{H}_7\text{N}$ M_r 117.15 [620-22-4]					
89665	purum >98% (GC); B.P. 210-212°; d_4^{20} 0.985; n_D^{20} 1.525	1 lt $\approx$ 0.99 kg	100 ml	16. —	500 ml 67. —
89670	p-Tolunitrile purum >99% (GC); M.P. 25-28°; B.P. 217° (Lit.) (4-Methylbenzonitrile)		250 g	16. —	1 kg 70. —
6.1/21; 92° $\text{CH}_3\text{C}_6\text{H}_4\text{CN}$ $\text{C}_8\text{H}_7\text{N}$ M_r 117.15 [104-85-8]					
p-Toluoyl chloride (4-Methylbenzoyl chloride)					
8/22 $\text{CH}_3\text{C}_6\text{H}_4\text{COCl}$ $\text{C}_8\text{H}_7\text{ClO}$ M_r 154.60 [874-60-2]					
89820	pract. >98% (GC); M.P. -2-0°; B.P. 95-96° (Lit.); d_4^{20} 1.167; n_D^{20} 1.554	1 lt $\approx$ 1.17 kg	100 ml	13. —	500 ml 55. —
89590	Toluquinone purum M.P. 66-67°; Sublimation residue $\sim$ 1% (Methyl-p-benzoquinone) $\text{COCH:CHCOCH:CHCH}_3$ $\text{C}_7\text{H}_6\text{O}_2$ M_r 122.12 [553-97-9]		25 g	20. —	100 g 70. —
o-, m- and p-Toluquinoline see 66180, 66191 and 66200 6-, 7- and 8-Methylquinoline					
o-Toluyaldehyde (2-Methylbenzaldehyde; o-Tolualdehyde)					
3/4; 77° $\text{CH}_3\text{C}_6\text{H}_4\text{CHO}$ $\text{C}_8\text{H}_8\text{O}$ M_r 120.15 [529-20-4]					
89830	purum stab. with 0.1% Hydroquinone; >98% (GC); B.P. 74-76°; d_4^{20} 1.039; n_D^{20} 1.546	1 lt $\approx$ 1.04 kg	10 ml	11. —	50 ml 46. —
m-Toluyaldehyde (3-Methylbenzaldehyde; m-Tolualdehyde)					
3/4; 83° $\text{CH}_3\text{C}_6\text{H}_4\text{CHO}$ $\text{C}_8\text{H}_8\text{O}$ M_r 120.15 [620-23-5]					
89840	purum stab. with 0.1% Hydroquinone; $\sim$ 97% (GC); B.P. 80-82°; d_4^{20} 1.022; n_D^{20} 1.541	1 lt $\approx$ 1.02 kg	10 ml	14. —	50 ml 60. —
p-Toluyaldehyde (4-Methylbenzaldehyde; p-Tolualdehyde)					
3/4; 85° $\text{CH}_3\text{C}_6\text{H}_4\text{CHO}$ $\text{C}_8\text{H}_8\text{O}$ M_r 120.15 [104-87-0]					
89850	purum stab. with 0.1% Hydroquinone; $\sim$ 98% (GC); B.P. 82-85°; d_4^{20} 1.016; n_D^{20} 1.545	1 lt $\approx$ 1.02 kg	100 ml	13. —	500 ml 55. —



sFr.

sFr.

asym.-m- and o-Toluylenediamine see 33360 and 33380 2,4- and 3,4-Diaminotoluene**vic.-m-Toluylenediamine** see 33370 2,6-Diaminotoluene**p-Toluylenediamine sulfate** see 33390 2,5-Diaminotoluene sulfate**Toluylene-2,4-diisocyanate** (4-Methyl-m-phenylene diisocyanate; Toluene-2,4-diisocyanate)

6.1/21c	$\text{CH}_3\text{C}_6\text{H}_3(\text{NCO})_2$	$\text{C}_9\text{H}_6\text{N}_2\text{O}_2$	M_r 174.16	[584-84-9]				
89870	purum for Electron Microscopy; >98%(GC); M.P. 20-22°; B.P. ₁₈ 124-126° (Lit.); for the formation of covalent protein-protein bonds: A. F. Schick and S. J. Singer, J. Biol. Chem. 236, 2477 (1961); S. J. Singer and J. D. McLean, Lab. Invest. 12, 1002 (1963); J. Haimovich, E. Hurwitz, N. Novik and M. Sela, Biochim. Biophys. Acta 207, 115 (1970)				1 lt ≈ 1.21 kg	100 ml 10. —	500 ml 40. —	
89871	techn. ~80% + 20% Toluylene-2,6-diisocyanate; M.P. 7-14°; d_4^{20} 1.22; n_D^{20} 1.567				1 lt ≈ 1.22 kg	250 ml 8. —	1 lt 25. —	

Toluylene Red see 72210 Neutral Red**p-Tolylacetaldehyde** ("Syringaldehyde")

3/4; 99°	$\text{CH}_3\text{C}_6\text{H}_4\text{CH}_2\text{CHO}$	$\text{C}_9\text{H}_{10}\text{O}$	M_r 134.18	[104-09-6]				
89940	pract. 50% Solution; d_4^{20} 1.06; contains also p-Tolyethyl alcohol and 2-Phenylethyl alcohol (1:1) limited shelf life				1 lt ≈ 1.06 kg	25 ml 20. —		

90010	o-Tolylacetic acid	purum >98%(T); M.P. 85-88°; Ash <0.1%				10 g 22. —	50 g 90. —	
	$\text{CH}_3\text{C}_6\text{H}_4\text{CH}_2\text{COOH}$	$\text{C}_9\text{H}_{10}\text{O}_2$	M_r 150.18	[644-36-0]				

p-Tolylacetic acid

	$\text{CH}_3\text{C}_6\text{H}_4\text{CH}_2\text{COOH}$	$\text{C}_9\text{H}_{10}\text{O}_2$	M_r 150.18	[622-47-9]				
90030	purum >99%(T); M.P. 90-91°; 1 g clearly and colourless soluble in 10 ml Methanol					10 g 18. —	50 g 75. —	

p-Tolylacetoneitrile (α-Cyano-p-xylene; 4-Methylbenzyl cyanide; 4-Methylphenylacetoneitrile)

6.1/21	$\text{CH}_3\text{C}_6\text{H}_4\text{CH}_2\text{CN}$	$\text{C}_9\text{H}_9\text{N}$	M_r 131.18	[2947-61-7]				
89970	purum >98%(GC); B.P. 248-250°; d_4^{20} 0.991; n_D^{20} 1.519				1 lt ≈ 0.99 kg	10 ml 13. —	50 ml 55. —	

1-o-Tolyl-1-butanone see 66150 2-Methylbutyrophenone**O-p-Tolyl chlorothioformate**

6.1/61	$\text{ClCSOC}_6\text{H}_4\text{CH}_3$	$\text{C}_8\text{H}_7\text{ClOS}$	M_r 186.66	[937-63-3]				
26475	purum >97%(GC); d_4^{20} 1.21; n_D^{20} 1.570; store in refrigerator; Synthesis of Alkenes from sterically hindered Alcohols; H. Gerlach, W. Müller, Helv. Acta 55, 2277 (1972)				1 lt ≈ 1.21 kg	10 ml 32. —	50 ml 135. —	

1-(p-Tolyl)ethanol (Methyl p-tolyl carbinol)

	$\text{CH}_3\text{C}_6\text{H}_4\text{CH}(\text{OH})\text{CH}_3$	$\text{C}_9\text{H}_{12}\text{O}$	M_r 136.20	[536-50-5]				
90000	purum >97%(GC); B.P. 218-220°; d_4^{20} 0.987; n_D^{20} 1.522				1 lt ≈ 0.99 kg	100 ml 18. —	500 ml 75. —	

N-(p-Tolyl)ethanolamine see 14889 N,N-Bis(2-hydroxyethyl)-p-toluidine**o-Tolylhydrazine hydrochloride** (2-Methylphenylhydrazine hydrochloride)

	$\text{CH}_3\text{C}_6\text{H}_4\text{NHNH}_2\cdot\text{HCl}$	$\text{C}_7\text{H}_{10}\text{N}_2\cdot\text{HCl}$	M_r 158.63	[635-26-7]				
90100	pract. >97%(Cl); M.P. 184-188°; Ash <0.05%					5 g 24. —	25 g 100. —	

m-Tolylhydrazine hydrochloride (3-Methylphenylhydrazine hydrochloride)

	$\text{CH}_3\text{C}_6\text{H}_4\text{NHNH}_2\cdot\text{HCl}$	$\text{C}_7\text{H}_{10}\text{N}_2\cdot\text{HCl}$	M_r 158.63	[637-04-7]				
90110	purum >98%(Cl); M.P. 190-192° dec.; Ash <0.5%					5 g 29. —	25 g 120. —	

p-Tolylhydrazine hydrochloride (4-Methylphenylhydrazine hydrochloride)

	$\text{CH}_3\text{C}_6\text{H}_4\text{NHNH}_2\cdot\text{HCl}$	$\text{C}_7\text{H}_{10}\text{N}_2\cdot\text{HCl}$	M_r 158.63	[637-60-5]				
90120	purum >98%(Cl); M.P. ~225° dec.; Ash ~0.5%					10 g 10. —	50 g 37. —	

α-Tolylic acid see 78490 Phenylacetic acid**p-Tolyl isothiocyanate** see 68677 4-Methylphenyl isothiocyanate**p-Tolyl mercaptan** see 88860 p-Thiocresol**p-Tolylsulfomethyl-nitrosamide**

see 73970 N-Nitroso-N-methyl-4-toluene sulfonamide

90159	Tomatidine	puriss. CHR; M.P. 202-206°; $[\alpha]_{546}^{20} + 7.0 \pm 0.2^\circ$; $[\alpha]_D^{20} + 4.6 \pm 0.2^\circ$ (c = 1 in Methanol)			50 mg 20. —	250 mg 85. —		
	$\text{C}_{27}\text{H}_{45}\text{NO}_2$	M_r 415.67	[77-59-8]					

		sFr.	sFr.
	Tomatine (Lycopersicin) C ₈₀ H ₈₃ NO ₂₁ M _r 1034.21 [17406-45-0] puriss. CHR; M.P. ~303-305° dec.; [α] ₅₄₀ ²⁰ -40±2°; [α] _D ²⁰ -35±2° (c = 0.5 in Pyridine)	100 mg 12. —	1 g 95. —
	TOPO see 92850 Trioctylphosphine oxide		
	TOSMIC see 89816 Toluene-4-sulfonylmethyl isocyanide		
90170	N_α-Tosyl-L-arginine methylester hydrochloride HN:C(NH ₂)NH(CH ₂) ₃ CH(NHSO ₂ C ₆ H ₄ CH ₃)COOCH ₃ .HCl C ₁₄ H ₂₂ N ₄ O ₄ S.HCl M _r 378.88 [1784-03-8] puriss. p.a. >99%(Cl); M.P. 147-148°; for the determination of Trypsine; [α] ₅₄₀ ²⁰ + 12±0.5°; [α] _D ²⁰ + 9.5±0.5° (c = 1 in Ethanol); Ash <0.4%; 1 g clearly soluble in 10 ml Methanol	1 g 9. —	5 g 34. —
	Tosyl chloride see 89730 Toluene-4-sulfonyl chloride		
	Tosylhydrazide see 89791 Toluene-4-sulfonic acid hydrazide		
	1-Tosylimidazole see 89812 1-(Toluene-4-sulfonyl)imidazole		
	Tosyl isocyanate see 89915 Toluene-4-sulfonyl isocyanate		
90183	N_ε-Tosyl-L-lysine purum [α] ₅₄₀ ²⁰ -33±3° (c = 1 in Acetic acid) CH ₃ C ₆ H ₄ SO ₂ NH(CH ₂) ₄ CH(NH ₂)COOH C ₁₃ H ₂₀ N ₂ O ₄ S M _r 300.38 [2130-76-9]	5 g 24. —	25 g 100. —
90182	N_α-p-Tosyl-L-lysine chloromethylketone hydrochloride , TLCK (3S-1-Chloro-3-p-tosylamido-7-amino-2-heptanon hydrochloride) NH ₂ (CH ₂) ₄ CH(NHSO ₂ C ₆ H ₄ CH ₃ COCH ₂ Cl).HCl C ₁₄ H ₂₄ ClN ₂ O ₃ S.HCl M _r 369.31 [4272-74-6] purum >99%(Cl); [α] ₅₄₀ ²⁰ -5.6±0.2°; [α] _D ²⁰ -5.0±0.2° (c = 2 in water); Proteinase inhibitor; TLCK inactivates trypsin but not chymotrypsin: E. Shaw et al., Biochemistry 4, 2219 (1965); Secretion of proteins from liver cells is suppressed by TLCK but not by an inhibitor of glycosylation: K. Edwards et al., FEBS Lett. 100, 269 (1979)	100 mg 30. —	500 mg 125. —
	Tosylmethyl isocyanate see 89816 Toluene-4-sulfonylmethyl isocyanide		
90184	p-Tosyl-L-phenylalanine chloromethylketone , TPCK (3S-1-chloro-3-p-tosylamido-4-phenyl-2-butanone) C ₆ H ₅ CH ₂ CH(COCH ₂ Cl)NHSO ₂ C ₆ H ₄ CH ₃ C ₁₇ H ₁₆ ClNO ₃ M _r 317.78 [32746-82-0] purum ~98%(Cl); M.P. 106-108°; [α] ₅₄₀ ²⁰ -110±2°; [α] _D ²⁰ -90±2° (c = 1 in Ethanol); Proteinase inhibitor; TPCK stoichiometrically inactivates chymotrypsin but not trypsin: G. Schoellmann, E. Shaw, Biochemistry 2, 252 (1963)	100 mg 15. —	500 mg 63. —
90185	Tosyl-L-pyroglutamic acid purum [α] ₅₄₀ ²⁰ -47±3° (c = 1 in Ethanol) CH ₃ C ₆ H ₄ SO ₂ NCOCH ₂ CH ₂ CHCOOH C ₁₂ H ₁₃ NO ₅ S M _r 283.31 [21957-65-3]	5 g 20. —	25 g 85. —
90187	T-2 Toxine (12,13-Epoxytrichothec-9-ene-3,4,8,15-tetrol-4,15-diacetate) [71259-20-1] 6.1/81g Mycotoxine; severe poison; Biochem. Biophys. Res. Commun. 57, 838 (1974)	Ampoule of 5 mg 120. —	
	Toxins see green section		
	TPN-Na₂ see 93210 Triphosphopyridinenucleotide Sodium salt		
	TPNH₂-Na₄ see 93220 Triphosphopyridinenucleotide reduced Tetrasodium salt		
90190	Transferrin human pooled plasma >95%; pH 7.0; store in refrigerator (Human Transferrin)	100 mg 115. —	
90200	Traumatic acid (trans-2-Dodecenedioic acid) HOOCCH:CH(CH ₂) ₇ CH ₂ COOH C ₁₂ H ₂₀ O ₄ M _r 228.29 [6402-36-4] purum >98%(T); M.P. 164-166°; for Prostaglandin Synthesis	1 g 13. —	5 g 55. —
90210	D(+) -Trehalose Dihydrate (α-D-Glucopyranosyl-α-D-glucopyranoside) C ₁₂ H ₂₂ O ₁₁ .2H ₂ O M _r 378.34 [6138-23-4] puriss. p.a. for Bacteriology; sinters at ~95°; M.P. 210-215°; [α] ₅₄₀ ²⁰ + 214±4°; [α] _D ²⁰ + 180±4° (c = 2 in water); 1 g clearly and colourless soluble in 10 ml water Fluka-Guarantee: Residue on ignition (as SO ₄) <0.1 % Chloride (Cl) <0.005 % Sulfate (SO ₄) <0.005 % Copper (Cu) <0.0001 % Lead (Pb) <0.0001 % Cadmium (Cd) <0.0001 % Zinc (Zn) <0.0001 % Iron (Fe) <0.0005 % Cobalt (Co) <0.0001 % Nickel (Ni) <0.0001 % Arsenic (As) <0.00001 %	10 g 18. —	50 g 75. —



			sFr.	sFr.
	Tremorine dihydrochloride (1,4-Dipyrrolidino-2-butyne dihydrochloride) $\text{CH}_2(\text{CH}_2)_3\text{NCH}_2\text{C}\equiv\text{CCH}_2\text{N}(\text{CH}_2)_3\text{CH}_2\cdot 2\text{HCl}$ $\text{C}_{12}\text{H}_{20}\text{N}_2\cdot 2\text{HCl}$ M_r 265.23 [300-68-5]			
90230	puriss. ~99% (Cl); M.P. 222-228° dec.; store in refrigerator		1 g 18. —	5 g 75. —
	Tresyl chloride see 91691 2,2,2-Trifluoroethanesulfonyl chloride			
	Triacetin (Glycerol triacetate; 1,2,3-Triacetoxyp propane) $(\text{CH}_3\text{COOCH}_2)_2\text{CHOCOCH}_3$ $\text{C}_9\text{H}_{14}\text{O}_6$ M_r 218.21 [102-76-1]			
90240	purum >99% (GC); B.P. 140-142°; d_4^{20} 1.157; n_D^{20} 1.430	1 lt ≈ 1.16 kg	250 ml 8. —	1 lt 25. —
	1,2,4-Triacetoxyp benzene (Hydroxyhydroquinone triacetate) $\text{C}_6\text{H}_3(\text{OCOCH}_3)_3$ $\text{C}_{12}\text{H}_{12}\text{O}_6$ M_r 252.23 [613-03-6]			
90250	puriss. M.P. 96-97°		25 g 17. —	100 g 60. —
90252	techn. M.P. 93-97°; containing small quantities of Acetic acid		100 g 40. —	500 g 170. —
90248	1,1,2-Triacetoxyp ethane purum $(\text{CH}_3\text{COO})_2\text{CHCH}_2\text{OCOCH}_3$ $\text{C}_8\text{H}_{12}\text{O}_6$ M_r 204.18 [2983-35-9]		25 g 26. —	
	1,2,3-Triacetoxyp propane see 90240 Triacetin			
90253	1,3,5-Triacetylbenzene pract. M.P. 156-160° $\text{C}_6\text{H}_3(\text{COCH}_3)_3$ $\text{C}_{12}\text{H}_{12}\text{O}_3$ M_r 204.23 [779-90-8]		100 g 28. —	
90272	Triacontane purum M.P. 65-66°; 1 g clearly soluble in 100 ml Chloroform (Alkane C_{30}) $\text{CH}_3(\text{CH}_2)_{28}\text{CH}_3$ $\text{C}_{30}\text{H}_{62}$ M_r 422.83 [638-68-6]		1 g 18. —	5 g 75. —
	Triacontanoic acid see 63640 Melissic acid			
	1-Triacontanol (1-Hydroxytriacontane) $\text{CH}_3(\text{CH}_2)_{28}\text{CH}_2\text{OH}$ $\text{C}_{30}\text{H}_{62}\text{O}$ M_r 318.72 [593-50-0]			
90275	purum ~96% (GC); M.P. 86-87°; A new naturally occurring plant growth regulator: S.K. Ries et al., Science 195, 1339 (1977)		100 mg 18. —	1 g 145. —
28650	Triallyl cyanurate purum M.P. 26-28° 6.1/21 $\text{C}_{12}\text{H}_{15}\text{N}_3\text{O}_3$ M_r 249.27 [101-37-1]		250 g 20. —	
90581	2,4,6-Triaminopyrimidine purum >98% (UV); M.P. 247-250° $\text{N}:\text{C}(\text{NH}_2)\text{N}:\text{C}(\text{NH}_2)\text{CH}:\text{CNH}_2$ $\text{C}_4\text{H}_7\text{N}_5$ M_r 125.14 [1004-38-2]		10 g 15. —	50 g 63. —
	2,5,6-Triamino-4-pyrimidinol sulfate see 56520 4-Hydroxy-2,5,6-triaminopyrimidine sulfate			
	sym.-Triaminotriazine see 63600 Melamine			
90601	Triarachin puriss. >99% (GC); M.P. 75-78° (Glycerol triarachinate; Triarachinoyl glycerol) $[\text{CH}_3(\text{CH}_2)_{18}\text{COOCH}_2]_2\text{CHOCO}(\text{CH}_2)_{18}\text{CH}_3$ $\text{C}_{63}\text{H}_{122}\text{O}_6$ M_r 975.67 [620-64-4]		100 mg 25. —	1 g 120. —
	Triarachinoyl glycerol see 90601 Triarachin			
90610	1,4,5-Triazanaphthalene purum >99% (NT); M.P. 141-143° (Pyrido[2,3-b]pyrazine) $\text{C}_5\text{H}_5\text{N}_3$ M_r 107.11 [322-46-2]		250 mg 21. —	1 g 75. —
	1,3,5,2,4,6-Triazotriphosphorine-2,2,4,4,6,6-hexachloride see 79562 Phosphonitrile chloride			
90620	s-Triazine (1,3,5) purum ~97% (UV); M.P. 75-80° $\text{N}:\text{CHN}:\text{CHN}:\text{CH}$ $\text{C}_3\text{H}_3\text{N}_3$ M_r 81.08 [290-87-9]		1 g 12. —	5 g 50. —
90630	1,2,4-Triazole puriss. >99% (NT); M.P. 119-121° $\text{N}:\text{CHNHCH}:\text{N}$ $\text{C}_2\text{H}_3\text{N}_3$ M_r 69.07 [288-88-0]		10 g 9. —	50 g 34. —
	1H-1,2,4-Triazole-3-thiol (3-Mercapto-1,2,4-triazole) $\text{NHN}:\text{CHN}:\text{CHSH}$ $\text{C}_2\text{H}_3\text{N}_3\text{S}$ M_r 101.13 [3179-31-5]			
63870	purum >99% (NT); M.P. ~220°; 1 g clearly soluble in 20 ml water		5 g 15. —	25 g 63. —
90660	Tribenzylamine puriss. >99% (NT); M.P. 91-93° $(\text{C}_6\text{H}_5\text{CH}_2)_3\text{N}$ $\text{C}_{21}\text{H}_{21}\text{N}$ M_r 287.41 [620-40-6]		100 g 11. —	500 g 44. —
	Tribenzyl orthoformate (Orthoformic acid tribenzylester) $\text{CH}(\text{OCH}_2\text{C}_6\text{H}_5)_3$ $\text{C}_{22}\text{H}_{22}\text{O}_3$ M_r 334.42 [29134-54-1]			
75535	pract. ~90-95% (GC); d_4^{20} 1.092; n_D^{20} 1.556	1 lt ≈ 1.09 kg	10 ml 11. —	50 ml 46. —
	Tribromoacetaldehyde see 16180 Bromal			

				sFr.	sFr.
90720	Tribromoacetic acid purum >98%(T); M.P. 128-132° 8/21 Br_3CCOOH $\text{C}_2\text{HBr}_3\text{O}_2$ M_r 296.76 [75-96-7]	25 g 18. —	100 g 65. —	1 kg 440. —	
90713	2,4,6-Tribromoaniline purum >99%(Br); M.P. 120-125°; 1 g clearly soluble in 10 ml Dioxane 6.1/21e $\text{NH}_2\text{C}_6\text{H}_2\text{Br}_3$ $\text{C}_6\text{H}_4\text{Br}_3\text{N}$ M_r 329.83 [147-82-0]	25 g 14. —	100 g 50. —		
90715	1,3,5-Tribromobenzene pract. >97%(Br); M.P. 117-120°; 1 g clearly soluble in 10 ml Dioxane 6.1/21 $\text{C}_6\text{H}_3\text{Br}_3$ M_r 314.82 [626-39-1]	10 g 14. —	50 g 60. —		
90710	2,2,2-Tribromoethanol purum >97%(Br); M.P. 77-80° (Tribromoethyl alcohol) $\text{Br}_3\text{CCH}_2\text{OH}$ $\text{C}_2\text{H}_3\text{Br}_3\text{O}$ M_r 282.78 [75-80-9]	10 g 12. —	50 g 50. —		
	Tribromomethane see 17880 Bromoform				
	(Tribromomethyl)mercuriobenzene see 79227 Phenyl(tribromomethyl)mercury				
90730	2,4,6-Tribromophenol pract. >98%(HPLC); M.P. 89-92° $\text{Br}_3\text{C}_6\text{H}_2\text{OH}$ $\text{C}_6\text{H}_3\text{Br}_3\text{O}$ M_r 330.82 [118-79-2]	100 g 8. —	500 g 26. —		
	Tributylaluminum 4.2/3 $\text{Al}(\text{CH}_2\text{CH}_2\text{CH}_2\text{CH}_3)_3$ $\text{C}_{12}\text{H}_{27}\text{Al}$ M_r 198.33 [1116-70-7]				
90762	Cyl. of 0.25 lt, net ~150 g 240. — (price of product 105. —)				
	Tributylamine 8/35; 85° $(\text{CH}_3\text{CH}_2\text{CH}_2\text{CH}_2)_3\text{N}$ $\text{C}_{12}\text{H}_{27}\text{N}$ M_r 185.36 [102-82-9]				
90780	puriss. p.a. B.P. 88-90°; d_4^{20} 0.777; n_D^{20} 1.429 Fluka-Guarantee: Assay (GC) >99.0 % Nickel (Ni) <0.00001 % Water (H ₂ O) <0.2 % Copper (Cu) <0.000005 % Iron (Fe) <0.00005 % Cadmium (Cd) <0.000005 % Cobalt (Co) <0.00001 % Zinc (Zn) <0.000005 %	1 lt ≈ 0.78 kg	100 ml 10. —	500 ml 37. —	
90782	purum >98%(GC); B.P. 86-90°; d_4^{20} 0.777; n_D^{20} 1.429	1 lt ≈ 0.78 kg	250 ml 8. —	1 lt 22. —	
90790	Tributylantimony purum >97%(GC); store in refrigerator (Antimonytributyl) 6.1/81f $(\text{CH}_3\text{CH}_2\text{CH}_2\text{CH}_2)_3\text{Sb}$ $\text{C}_{12}\text{H}_{27}\text{Sb}$ M_r 293.10 [2155-73-9]	1 lt ≈ 1.13 kg	5 ml 32. —	25 ml 135. —	
90793	1,3,5-Tri-tert-butylbenzene purum >97%(GC); M.P. 67-70° $\text{C}_6\text{H}_3[\text{C}(\text{CH}_3)_3]_3$ $\text{C}_{18}\text{H}_{30}$ M_r 246.44 [1460-02-2]	5 g 20. —	25 g 85. —		
	Tributyl borate (Boric acid tributylester) 3/4 $\text{B}(\text{OCH}_2\text{CH}_2\text{CH}_2\text{CH}_3)_3$ $\text{C}_{12}\text{H}_{27}\text{BO}_3$ M_r 230.16 [688-74-4]				
90795	purum >99%(GC); B.P. 114-115°; d_4^{20} 0.857; n_D^{20} 1.409; hydrolyses easily	1 lt ≈ 0.86 kg	100 ml 8. —	500 ml 26. —	
	Tributylheptylammonium bromide (Heptyltributylammonium bromide) $(\text{CH}_3\text{CH}_2\text{CH}_2\text{CH}_2)_3\text{N}(\text{Br})\text{CH}_2(\text{CH}_2)_5\text{CH}_3$ $\text{C}_{19}\text{H}_{42}\text{BrN}$ M_r 364.46				
90797	purum >98%(Br); M.P. 58-59°; very hygroscopic	10 g 25. —	50 g 105. —		
	Tributylmethylammonium bromide (Methyltributylammonium bromide) $(\text{CH}_3\text{CH}_2\text{CH}_2\text{CH}_2)_3\text{N}(\text{Br})\text{CH}_3$ $\text{C}_{13}\text{H}_{30}\text{BrN}$ M_r 280.30 [37026-88-3]				
90802	purum >98%(Br); M.P. ~95° dec.; 1 g clearly and colourless soluble in 10 ml water	100 g 28. —	500 g 120. —		
90803	Tributylmethylammonium chloride pract. >90%(Cl); M.P. 101-103° $(\text{CH}_3\text{CH}_2\text{CH}_2\text{CH}_2)_3\text{N}(\text{Cl})\text{CH}_3$ $\text{C}_{13}\text{H}_{30}\text{ClN}$ M_r 235.84 [56375-79-2]	100 g 28. —	500 g 120. —		
	Tributylmethylammonium hydroxide 8/32 $(\text{CH}_3\text{CH}_2\text{CH}_2\text{CH}_2)_3\text{N}(\text{OH})\text{CH}_3$ $\text{C}_{13}\text{H}_{31}\text{NO}$ M_r 217.40 [32680-30-1]				
90800	purum 40% in water; d_4^{20} 0.995; aspect: yellow	1 lt ≈ 1.00 kg	25 ml 22. —	100 ml 95. —	
	Tributylmethylammonium iodide $(\text{CH}_3\text{CH}_2\text{CH}_2\text{CH}_2)_3\text{N}(\text{I})\text{CH}_3$ $\text{C}_{13}\text{H}_{30}\text{IN}$ M_r 327.30 [3085-79-8]				
90804	purum >99%(I); M.P. 184-185°; 1 g clearly and colourless soluble in 10 ml water	100 g 28. —	500 g 120. —		
75540	Tributyl orthoformate puriss. B.P. 120-122°; d_4^{20} 0.872; n_D^{20} 1.418 3/4; 89° $\text{CH}[\text{O}(\text{CH}_2)_3\text{CH}_3]_3$ $\text{C}_{13}\text{H}_{28}\text{O}_3$ M_r 232.37 [588-43-2]	1 lt ≈ 0.87 kg	10 ml 14. —	50 ml 60. —	
	Tributylpentylammonium bromide (Pentyltributylammonium bromide) $(\text{CH}_3\text{CH}_2\text{CH}_2\text{CH}_2)_3\text{N}(\text{Br})\text{CH}_2\text{CH}_2\text{CH}_2\text{CH}_2\text{CH}_3$ $\text{C}_{17}\text{H}_{38}\text{BrN}$ M_r 336.41 [37026-92-9]				
90805	purum >99%(Br); M.P. 64-66°	10 g 25. —	50 g 105. —		
90810	2,4,6-Tri-tert-butylphenol purum M.P. 127-130° $[(\text{CH}_3)_3\text{C}]_3\text{C}_6\text{H}_2\text{OH}$ $\text{C}_{18}\text{H}_{30}\text{O}$ M_r 262.44 [732-26-3]	250 g 13. —	1 kg 45. —		



				sFr.	sFr.
Tributylphosphate					
	(CH ₃ CH ₂ CH ₂ CH ₂ O) ₃ PO C ₁₂ H ₂₇ O ₄ P M _r 266.32 [126-73-8]				
90820	puriss. p.a. ~99%(GC); B.P. ₁₀ 155-156°; d ₄ ²⁰ 0.976; n _D ²⁰ 1.424	1 lt ≈ 0.98 kg	100 ml 9. —	500 ml 20. —	
90822	purum >98%(GC); B.P. ₁₀ 154-157°; d ₄ ²⁰ 0.976; n _D ²⁰ 1.424	1 lt ≈ 0.98 kg	250 ml 8. —	1 lt 25. —	
Tributylphosphine					
	6.1/81a (CH ₃ CH ₂ CH ₂ CH ₂) ₃ P C ₁₂ H ₂₇ P M _r 202.32 [998-40-3]				
90830	techn. ~85%; B.P. ₁₂ 115-116° (Lit.); d ₄ ²⁰ 0.822; n _D ²⁰ 1.462; For the reductive cleavage of disulfide bridges in proteins: J. A. Maclaren and B. J. Sweetman, Austr. J. Chem. 19, 2355 (1966) U. Th. Rüegg and J. Rudinger, Methods in Enzym., Vol. 47, 111-116 (1977)	1 lt ≈ 0.82 kg	50 ml 12. —	250 ml 50. —	
Tributyl phosphite					
	6.1/81a; 82° (CH ₃ CH ₂ CH ₂ CH ₂ O) ₃ P C ₁₂ H ₂₇ O ₃ P M _r 250.32 [102-85-2]				
90840	techn. ~80-90%(GC); B.P. ₁₀ 125-128°; d ₄ ²⁰ 0.920; n _D ²⁰ 1.431	1 lt ≈ 0.92 kg	100 ml 10. —	500 ml 40. —	
Tributyltin chloride					
	6.1/81f (CH ₃ CH ₂ CH ₂ CH ₂) ₃ SnCl C ₁₂ H ₂₇ ClSn M _r 325.49 [1461-22-9]				
90892	pract. >97%(Cl); B.P. ₂₅ 171-173°; d ₄ ²⁰ 1.207; n _D ²⁰ 1.492; store in refrigerator	1 lt ≈ 1.21 kg	100 ml 16. —	500 ml 67. —	
90912	Tributyltin fluoride pract. M.P. 267-269° dec.; store in refrigerator		100 g 20. —		
	6.1/81f (CH ₃ CH ₂ CH ₂ CH ₂) ₃ SnF C ₁₂ H ₂₇ FSn M _r 309.04 [1983-10-4]				
90915	Tributyltin hydride purum; d ₄ ²⁰ 1.098; n _D ²⁰ 1.473; store in refrigerator (C ₄ H ₉) ₃ SnH C ₁₂ H ₂₈ Sn M _r 291.05 [688-73-3]		Ampoule of 10 g (under Argon)	70. —	
"Tributyltin oxide" see 15210 Bis(tributyltin) oxide					
Tributylin (Glycerol tributyrate)					
	(CH ₃ CH ₂ CH ₂ COOCH ₂) ₂ CHOCOCH ₂ CH ₂ CH ₃ C ₁₅ H ₂₆ O ₈ M _r 302.37 [60-01-5]				
91010	puriss. >99%(GC); B.P. _{0.03} 129-131°; d ₄ ²⁰ 1.032; n _D ²⁰ 1.435	1 lt ≈ 1.03 kg	25 ml 14. —	100 ml 50. —	
91012	pract. ~96%(GC); d ₄ ²⁰ 1.032; n _D ²⁰ 1.435	1 lt ≈ 1.03 kg	250 ml 21. —	1 lt 75. —	
Tricaprin (Glycerol tricaprinate)					
	[CH ₃ (CH ₂) ₈ COOCH ₂] ₂ CHOCO(CH ₂) ₈ CH ₃ C ₃₃ H ₆₂ O ₆ M _r 554.86 [621-71-6]				
91022	puriss. >99%(GC); M.P. 31-32°		5 g 32. —	25 g 135. —	
91023	techn. ~90%(GC); M.P. 23-26°		250 g 20. —	1 kg 70. —	
Tricaproin (Glycerol tricapronate; Trihexanoin)					
	[CH ₃ (CH ₂) ₄ COOCH ₂] ₂ CHOCO(CH ₂) ₄ CH ₃ C ₂₇ H ₃₈ O ₆ M _r 386.53 [621-70-5]				
91029	puriss. >99%(GC); d ₄ ²⁰ 0.982; n _D ²⁰ 1.442	1 lt ≈ 0.98 kg	5 ml 32. —	25 ml 135. —	
Tricaprylin (Glycerol tricaprylate; Trioctanoin)					
	[CH ₃ (CH ₂) ₆ COOCH ₂] ₂ CHOCO(CH ₂) ₆ CH ₃ C ₂₇ H ₅₀ O ₆ M _r 470.70 [558-23-8]				
91039	puriss. >99%(GC); M.P. 9-10°; B.P. ₁ 233° (Lit.); d ₄ ²⁰ 0.954; n _D ²⁰ 1.447	1 lt ≈ 0.95 kg	5 ml 32. —	25 ml 135. —	
91040	pract. ~97%(GC); d ₄ ²⁰ 0.954; n _D ²⁰ 1.447	1 lt ≈ 0.95 kg	500 ml 24. —	2.5 lt 100. —	
"Tricaprylmethylammonium chloride" (Aliquat 336; Trioctylmethylammonium chloride)					
	Mixture of C ₈ -C ₁₀ , C ₈ is dominant	1 lt ≈ 0.88 kg	250 ml 12. —	1 lt 40. —	
91042					
91050	Tricarballic acid purum >99%(T); M.P. 160-162° (1,2,3-Propanetricarboxylic acid) (HOOCCH ₂) ₂ CHCOOH C ₆ H ₈ O ₆ M _r 176.13 [99-14-9]		10 g 16. —	50 g 67. —	
Trichloroacetaldehyde see 23080 Chloral anhydrous					
91070	Trichloroacetamide purum >98%(Cl); M.P. 139-141°; 1 g clearly soluble in 10 ml Methanol Cl ₃ CCONH ₂ C ₂ H ₂ Cl ₃ NO M _r 162.40 [594-65-0]		50 g 10. —	250 g 40. —	
Trichloroacetic acid					
	8/21a1 Cl ₃ CCOOH C ₂ HCl ₃ O ₂ M _r 163.39 [76-03-9]				
91230	puriss. p.a. for the Fe-determination in Blood according to Heilmeyer	100 g 7. —	500 g 21. —	1 kg 40. —	
	Fluka-Guarantee:				
	Assay >99.0 % Lead (Pb) <0.0005%				
	Ash (as SO ₄) <0.05 % Iron (Fe) <0.0002%				
	Chloride (Cl) <0.001 % Zinc (Zn) <0.0005%				
	Sulfate (SO ₄) <0.01 % Calcium (Ca) <0.0005%				
	Phosphate (PO ₄) <0.001 % Sodium (Na) <0.0005%				
	Nitrate (NO ₃) <0.005 % Potassium (K) <0.0005%				
	Copper (Cu) <0.0005%				
91232	purum Ph. Helv.; >98%(T); M.P. 54-57°; Ash (as SO ₄) <0.1%; Fe <0.005%		250 g 10. —	1 kg 32. —	
91233	purum >98%(T); M.P. 54-58°		250 g 9. —	1 kg 30. —	



					sFr.	sFr.
	Trichloroacetic anhydride					
8/21a2	(Cl ₃ CCO) ₂ O	C ₄ Cl ₆ O ₃	M _r 308.76	[4124-31-6]		
91260	purum >98%(T); B.P. 97-100°; d ₄ ²⁰ 1.69; n _D ²⁰ 1.484			1 lt ≈ 1.69 kg	25 ml 18. —	100 ml 65. —
	Trichloroacetoneitrile purum ~97%(GC); B.P. 82-84°; d ₄ ²⁰ 1.433; n _D ²⁰ 1.440					
91080	6.1/21	Cl ₃ CCN	C ₂ Cl ₃ N	M _r 144.38	[545-06-2]	1 lt ≈ 1.43 kg 25 ml 10. — 100 ml 32. —
	ω,2,4-Trichloroacetophenone (2,4-Dichlorophenacyl chloride)					
		CH ₂ ClCOC ₆ H ₃ Cl ₂	C ₈ H ₅ Cl ₃ O	M _r 223.49	[4252-78-2]	
91085	pract. >97%(Cl); M.P. 53-56°				25 g 14. —	100 g 50. —
	Trichloroacetyl chloride					
8/22	Cl ₃ CCOCl	C ₂ Cl ₄ O	M _r 181.83	[76-02-8]		
91090	purum >98%(Cl); B.P. 118-119°; d ₄ ²⁰ 1.620; n _D ²⁰ 1.471			1 lt ≈ 1.62 kg	100 ml 12. —	500 ml 50. —
	Trichloroacetyl isocyanate					
6.1/21	Cl ₃ CCONCO	C ₃ Cl ₃ NO ₂	M _r 188.40	[3019-71-4]		
91095	purum >97%(GC); B.P. 40-42°; d ₄ ²⁰ 1.588; n _D ²⁰ 1.480; very sensitive to moisture			1 lt ≈ 1.59 kg	5 ml 32. —	25 ml 135. —
	2,3,4-Trichloroaniline purum ~97%(HPLC); M.P. 65-67°; B.P. 292° (Lit.)					
91135	6.1/21e	Cl ₃ C ₆ H ₂ NH ₂	C ₆ H ₄ Cl ₃ N	M _r 196.46	[634-67-3]	25 g 22. — 100 g 80. —
	2,4,5-Trichloroaniline pract. >98%(HPLC); M.P. 94-95°					
91140	6.1/21e	Cl ₃ C ₆ H ₂ NH ₂	C ₆ H ₄ Cl ₃ N	M _r 196.46	[636-30-6]	100 g 10. — 500 g 37. —
	2,4,6-Trichloroaniline pract. >98%(HPLC); M.P. 76-78°					
91141	6.1/21e	Cl ₃ C ₆ H ₂ NH ₂	C ₆ H ₄ Cl ₃ N	M _r 196.46	[634-93-5]	250 g 31. — 1 kg 115. —
	1,2,3-Trichlorobenzene purum M.P. 51-53°					
91160	6.1/62	C ₆ H ₃ Cl ₃	M _r 181.45	[87-61-6]	250 g 7. —	1 kg 14. —
	1,2,4-Trichlorobenzene					
6.1/62	C ₆ H ₃ Cl ₃	M _r 181.45	[120-82-1]			
91170	purum >98%(GC) + 1-2% 1,2,3-Trichlorobenzene; M.P. 15-18°; B.P. 212-214°; d ₄ ²⁰ 1.455; n _D ²⁰ 1.571			1 lt ≈ 1.46 kg	1 lt 16. —	2.5 lt 35. —
	1,3,5-Trichlorobenzene purum >99%(GC); M.P. 62-64°					
91172	6.1/62	C ₆ H ₃ Cl ₃	M _r 181.45	[108-70-3]	100 g 12. —	500 g 50. —
	2,4,5-Trichlorobenzenesulfonic acid Potassium salt (Potassium 2,4,5-trichlorobenzene sulfonate)					
		Cl ₃ C ₆ H ₂ SO ₃ K	C ₆ H ₂ Cl ₃ KO ₃ S	M _r 299.61	[6378-25-2] (free acid)	
91190	purum >99%(T); for the Titration of Fatty alcohol sulfonates				25 g 21. —	100 g 75. —
	2,4,5-Trichlorobenzenesulfonic acid Sodium salt (Sodium 2,4,6-trichlorobenzensulfonate)					
		Cl ₃ C ₆ H ₂ SO ₃ Na	C ₆ H ₂ Cl ₃ NaO ₃ S	M _r 283.49	[53423-65-7]	
91192	techn. ~90%(Cl)				25 g 17. —	100 g 60. —
	2,4,5-Trichlorobenzenesulfonyl chloride purum >99%(Cl); M.P. 65-68°					
91180	8/12	Cl ₃ C ₆ H ₂ SO ₂ Cl	C ₆ H ₂ Cl ₃ O ₂ S	M _r 279.96	100 g 25. —	500 g 105. —
	N,2,6-Trichloro-p-benzoquinoneimide see 35620 2,6-Dichloroquinonine-4-chloroimide					
	2,2,2-Trichloro-tert-butoxycarbonyl chloroformate (TCBOC-chloride)					
		ClCOOC(CH ₃) ₂ CCl ₃	C ₅ H ₈ Cl ₄ O ₂	M _r 239.91		
23259	puriss. >99%(Cl); M.P. 28-30°; B.P. 83-84°; Reagent for the introduction of the TCBOC-amino-protection which is stable towards basic and acidic conditions but cleaved by "super-nucleophiles" or by zinc in acetic acid: H. Eckert, M. Listl, I. Ugi, Angew. Chem. 90, 388 (1978)				10 g 22. —	50 g 90. —
	α,α,α-Trichloro-tert-butyl alcohol ("Acetonochloroform"; 2-Methyl-1,1,1-trichloro-2-propanol; 1,1,1-Trichloro-2-methyl-2-propanol)					
		Cl ₃ CC(CH ₃) ₂ OH. ½ H ₂ O	C ₄ H ₇ Cl ₃ O. ½ H ₂ O	M _r 186.46	[6001-64-5]	
91210	purum ~98%; M.P. 76-78°				100 g 8. —	500 g 29. —
	Trichlorocyanuric acid pract. (Trichloroisocyanuric acid)					
91220	6.1/21	NCICONCICONCI	CO	C ₃ Cl ₃ N ₃ O ₃	M _r 232.41	[87-90-1] 100 g 8. — 500 g 29. —
	1,2,4-Trichloro-3,5-dinitrobenzene (1,3-Dinitro-2,4,5-trichlorobenzene)					
6.1/21	Cl ₃ C ₆ H(NO ₂) ₂	C ₆ HCl ₃ N ₂ O ₄	M _r 271.44	[6284-83-9]		
91222	purum >98%(HPLC); M.P. 101-103°				10 g 12. —	50 g 50. —

						sFr.	sFr.
1,1,1-Trichloroethane ("Chlorothene"; Methylchloroform)							
6.1/61	Cl_3CCH_3	$\text{C}_2\text{H}_3\text{Cl}_3$	M_r 133.40	[71-55-6]			
91099	puriss. p.a. B.P. 72-74°; d_4^{20} 1.336; n_D^{20} 1.438				1 lt $\approx$ 1.34 kg	250 ml 22. —	1 lt 80. —
Fluka-Guarantee:							
	Assay (GC)	>99.0 %	Iron (Fe)	<0.00005%			
	Residue on evaporation	<0.0002%	Copper (Cu)	<0.00001%			
	Aldehyde	passes test	Lead (Pb)	<0.00001%			
	H_2SO_4 -Probe	passes test	Cadmium (Cd)	<0.00001%			
	Free acid	passes test	Zinc (Zn)	<0.00001%			
	Chloride (Cl)	<0.0002%					
91100	pract. stab. $\sim$ 90-95%(GC); B.P. 71-74°; d_4^{20} 1.310; n_D^{20} 1.437				1 lt $\approx$ 1.31 kg	1 lt 15. —	2.5 lt 33. —
1,1,2-Trichloroethane							
6.1/61	$\text{ClCH}_2\text{CHCl}_2$	$\text{C}_2\text{H}_3\text{Cl}_3$	M_r 133.40	[79-00-5]			
91110	purum >99%(GC); B.P. 111-114°; d_4^{20} 1.440; n_D^{20} 1.471				1 lt $\approx$ 1.44 kg	1 lt 25. —	2.5 lt 55. —
2,2,2-Trichloroethanol (Trichloroethyl alcohol)							
	$\text{Cl}_3\text{CCH}_2\text{OH}$	$\text{C}_2\text{H}_3\text{Cl}_3\text{O}$	M_r 149.40	[115-20-8]			
91120	pract. $\sim$ 95%(GC); M.P. 5-15°; d_4^{20} 1.530; n_D^{20} 1.486; extremely hygroscopic				1 lt $\approx$ 1.53 kg	100 ml 22. —	500 ml 90. —
Trichloroethyl alcohol see 2,2,2-Trichloroethanol							
2,2,2-Trichloroethyl chloroformate							
6.1/61	$\text{ClCOOCH}_2\text{CCl}_3$	$\text{C}_3\text{H}_2\text{Cl}_4\text{O}_2$	M_r 211.86	[17341-93-4]			
23258	purum >97%(Cl); B.P. 170-172°; d_4^{20} 1.571; n_D^{20} 1.471; store in refrigerator				1 lt $\approx$ 1.57 kg	25 ml 13. —	100 ml 45. —
Trichloroethylene							
6.1/61	$\text{ClCH}:\text{CCl}_2$	C_2HCl_3	M_r 131.39	[79-01-6]			
91129	puriss. p.a.; stab. with 0.01% Triethylamine; B.P. 86-87°; d_4^{20} 1.461; n_D^{20} 1.477				1 lt $\approx$ 1.46 kg	1 lt 14. —	2.5 lt 31. —
Fluka-Guarantee:							
	Assay (GC)	>99.5 %	Nickel (Ni)	<0.00001%			
	Residue on evaporation	<0.002 %	Iron (Fe)	<0.00005%			
	Acid (as HCl)	<0.0005 %	Copper (Cu)	<0.00001%			
	Alkali (as Triethyleneamine)	<0.15 g/lt	Lead (Pb)	<0.00001%			
	Free halogens	passes test	Cadmium (Cd)	<0.00001%			
	Cobalt (Co)	<0.00001%	Zinc (Zn)	<0.00001%			
91130	purum >99%(GC); B.P. 85-87°; d_4^{20} 1.464; n_D^{20} 1.477; stab. with 0.01% Triethylamine				1 lt $\approx$ 1.46 kg	1 lt 11. —	5 lt 44. —
Trichlorofluoromethane (Fluorotrichloromethane)							
	Cl_3CF	CCl_3F	M_r 137.37	[75-69-4]			
91273	puriss. >99.5%(GC); B.P. 24° (Lit.); d_4^{20} 1.487; n_D^{20} 1.383; suitable for NMR-Spectroscopy; store in refrigerator				1 lt $\approx$ 1.50 kg	250 ml 8. —	1 lt 25. —
Trichlorohydrin see 91380 1,2,3-Trichloropropane							
Trichloroisocyanuric acid see 91220 Trichlorocyanuric acid							
Trichloromethane see 25670 Chloroform							
Trichloromethanesulfinyl chloride see 77220 Perchloromethyl mercaptan							
Trichloromethanesulfonyl chloride							
8/12	Cl_3CSOCl	CCl_3OS	M_r 201.89	[25004-95-9]			
91285	purum >97%(Cl); B.P. 38-40°; d_4^{20} 1.750; n_D^{20} 1.541; For the generation of Dichlorocarbenes; V. Schöllkopf, P. Hilbert, Angew. Chem. 74, 431 (1962)				1 lt $\approx$ 1.75 kg	5 ml 40. —	25 ml 165. —
91291	Trichloromethanesulfonyl chloride purum $\sim$ 97%(Cl); M.P. 137-140°					25 g 50. —	100 g 175. —
8/11a	$\text{CCl}_3\text{SO}_2\text{Cl}$	$\text{CCl}_3\text{O}_2\text{S}$	M_r 217.89	[2547-61-7]			
(Trichloromethyl)benzene see 12800 α,α,α -Trichlorotoluene							
(Trichloromethyl)mercuriobenzene see 79228 Phenyl (trichloromethyl)-mercury							
1,1,1-Trichloro-2-methyl-2-propanol see 91210 α,α,α -Trichloro-tert-butyl alcohol							
Trichloromethylsilane see 69450 Methyltrichlorosilane							



				sFr.	sFr.
91300	2,3,4-Trichloronitrobenzene (1,2,3-4) purum >98%(HPLC); M.P. 55-56° 6.1/21k <chem>Cl3C6H2NO2</chem> <chem>C6H2Cl3NO2</chem> M_r 226.45 [17700-09-3]			25 g 12. —	100 g 40. —
	2,4,5-Trichloronitrobenzene 6.1/21k <chem>Cl3C6H2NO2</chem> <chem>C6H2Cl3NO2</chem> M_r 226.45 [89-69-0]				
91310	purum >98%(HPLC); M.P. 56-57°; 1 g clearly soluble in 10 ml Methanol			250 g 13. —	1 kg 45. —
	2,4,6-Trichloronitrobenzene (1,3,5-2) 6.1/21k <chem>Cl3C6H2NO2</chem> <chem>C6H2Cl3NO2</chem> M_r 226.45 [18708-70-8]				
91315	purum >98%(HPLC); M.P. 70-72°; 1 g clearly soluble in 10 ml Methanol			25 g 21. —	100 g 75. —
	Trichloronitromethane ("Chloropicrin"; Nitrotrichloromethane) 6.1/12d <chem>Cl3CNO2</chem> <chem>CCl3NO2</chem> M_r 164.38 [76-06-2]				
91320	purum >98%(Cl); B.P. 112°; d_4^{20} 1.657; n_D^{20} 1.462; may explode during distillation	1 lt ≈ 1.66 kg		250 ml 21. —	1 lt 75. —
91321	2,3,4-Trichlorophenol purum >98%(GC); M.P. 76-79° 6.1/22 <chem>Cl3C6H2OH</chem> <chem>C6H3Cl3O</chem> M_r 197.45 [15950-66-0]			10 g 20. —	50 g 85. —
91323	2,3,5-Trichlorophenol purum ~97%(GC); M.P. 58-60° 6.1/22 <chem>Cl3C6H2OH</chem> <chem>C6H3Cl3O</chem> M_r 197.45 [933-78-8]			10 g 16. —	50 g 67. —
	2,3,6-Trichlorophenol 6.1/22 <chem>Cl3C6H2OH</chem> <chem>C6H3Cl3O</chem> M_r 197.45 [933-75-5]				
91322	purum >99%(GC); B.P. 53-55°; 1 g clearly soluble in 10 ml Methanol			10 g 16. —	50 g 67. —
	2,4,5-Trichlorophenol ("Dowicide 2"®) 6.1/22 <chem>Cl3C6H2OH</chem> <chem>C6H3Cl3O</chem> M_r 197.45 [95-95-4]				
91330	puriss. >99%(GC); M.P. 64-67°			25 g 13. —	100 g 45. —
91332	pract. >95%(GC); M.P. 63-65°			250 g 18. —	1 kg 65. —
91340	2,4,6-Trichlorophenol pract. ~97%(GC); M.P. 63-68° ("Dowicide 2s"®) 6.1/22 <chem>Cl3C6H2OH</chem> <chem>C6H3Cl3O</chem> M_r 197.45 [88-06-2]			250 g 10. —	1 kg 28. —
91342	3,4,5-Trichlorophenol purum >98%(GC); M.P. 96-99° 6.1/22 <chem>Cl3C6H2OH</chem> <chem>C6H3Cl3O</chem> M_r 197.45 [609-19-8]			10 g 20. —	50 g 85. —
	2,4,5-Trichlorophenoxyacetic acid (2,4,5-T) <chem>Cl3C6H2OCH2COOH</chem> <chem>C6H5Cl3O3</chem> M_r 255.49 [93-76-5]				
91370	purum >99%(T); M.P. 153-155°; Ash <0.2%; 1 g clearly soluble in 10 ml Methanol			100 g 13. —	500 g 55. —
	2,4,6-Trichlorophenyl-acetoacetate (Acetoacetic acid 2,4,6-trichlorophenylester) <chem>CH3COCH2COOC6H2Cl3</chem> <chem>C10H7Cl3O3</chem> M_r 281.50 [59225-85-3]				
00506	purum			10 g 38. —	
	2,4,6-Trichlorophenylhydrazine <chem>Cl3C6H2NHNH2</chem> <chem>C6H5Cl3N2</chem> M_r 211.48 [5329-12-4]				
91375	pract. >95%(NT); M.P. 140-142°; 1 g clearly soluble in 10 ml Benzene			50 g 17. —	250 g 70. —
	Trichlorophenylsilane see 79230 Phenyltrichlorosilane				
	1,2,3-Trichloropropane (Trichlorohydrin) 6.1/62; 74° <chem>CH2ClCHClCH2Cl</chem> <chem>C3H5Cl3</chem> M_r 147.43 [96-18-4]				
91380	purum >99%(GC); B.P. 152-156°; d_4^{20} 1.385; n_D^{20} 1.483	1 lt ≈ 1.39 kg		250 ml 10. —	1 lt 32. —
91390	2,6,8-Trichloropurine Ammonium salt purum <chem>C5HCl3N4</chem> M_r 223.45 [2562-52-9]			1 g 35. —	
91410	Trichlorosilane purum >99%; B.P. 32-34° 4.3/4; -7° <chem>SiHCl3</chem> <chem>Cl3HSi</chem> M_r 135.47 [10025-78-2]			Pressure bottles of 250 ml	40. —
91420	2,4,5-Trichlorotoluene purum M.P. 78-80° <chem>CH3C6H2Cl3</chem> <chem>C7H5Cl3</chem> M_r 195.48 [6639-30-1]			5 g 29. —	
	2,4,α-Trichlorotoluene (2,4-Dichlorobenzyl chloride) 8/22 <chem>Cl2C6H3CH2Cl</chem> <chem>C7H5Cl3</chem> M_r 195.48 [94-99-5]				
35490	purum >98%(GC); B.P. 99-102° (Lit.); d_4^{20} 1.408; n_D^{20} 1.576	1 lt ≈ 1.41 kg		100 ml 18. —	500 ml 75. —
35500	2,6,α-Trichlorotoluene purum >98%(Cl); M.P. 36-38° (2,6-Dichlorobenzyl chloride) 8/22 <chem>Cl2C6H3CH2Cl</chem> <chem>C7H5Cl3</chem> M_r 195.48 [2014-83-7]			25 g 17. —	100 g 60. —

				sFr.	sFr.
	α,α,α-Trichlorotoluene [Benzotrichloride; (Trichloromethyl)benzene]				
12800	8/22	$C_6H_5CCl_3$ $C_7H_5Cl_3$ M_r 195.48 [98-07-7] purum >99%(GC); M.P. -5--3°; B.P. 90-91°; d_4^{20} 1.373; n_D^{20} 1.557	1 lt $\approx$ 1.37 kg	250 ml 7. —	1 lt 20. —
	3,4,α-Trichlorotoluene (3,4-Dichlorobenzyl chloride)				
35510	8/22	$Cl_2C_6H_3CH_2Cl$ $C_7H_5Cl_3$ M_r 195.48 [102-47-6] pract. $\sim$ 97%(GC); B.P. 99-101° (Lit.); d_4^{20} 1.411; n_D^{20} 1.577	1 lt $\approx$ 1.41 kg	50 ml 26. —	250 ml 110. —
	2,4,6-Trichloro-1,3,5-triazine see 28620 Cyanuric chloride				
	1,1,1-Trichloro-3,3,3-trifluoroacetone				
91425	8/11a	CCl_3COCF_3 $C_3Cl_3F_3O$ M_r 215.39 [758-42-9] techn. $\sim$ 80%(GC); B.P. 88-90°; d_4^{20} 1.622; n_D^{20} 1.389	1 lt $\approx$ 1.62 kg	5 ml 26. —	25 ml 110. —
	1,1,2-Trichlorotrifluoroethane ("Genetron" 113")				
91440		$ClCF_2CCl_2F$ $C_2Cl_3F_3$ M_r 187.38 [76-13-1] puriss. p.a. >99%(GC); B.P. 46-48°; d_4^{20} 1.575; n_D^{20} 1.359	1 lt $\approx$ 1.58 kg	250 ml 14. —	1 lt 50. —
	Trichlorovinylsilane see 95090 Vinyltrichlorosilane				
	TRICINE see 93355 N-[Tris(hydroxymethyl)methyl]glycine				
	Tricosane (Alkane C_{23})				
91449		$CH_3(CH_2)_{21}CH_3$ $C_{23}H_{48}$ M_r 324.64 [638-67-5] puriss. 99%(GC); M.P. 47-48°; B.P. 234° (Lit.); 1 g clearly and colourless soluble in 10 ml Dioxane		5 g 24. —	25 g 100. —
91450		purum >98%(GC); M.P. 46-47°		5 g 18. —	25 g 75. —
91470		Tricosanoic acid puriss. >99%(GC); M.P. 77-79°; Ash <0.05% (Carboxylic acid C_{23}) $CH_3(CH_2)_{21}COOH$ $C_{23}H_{46}O_2$ M_r 354.62 [2433-96-7]		250 mg 26. —	1 g 95. —
	Tricresyl phosphate				
92100	6.1/81a	$(CH_3C_6H_4O)_3PO$ $C_{21}H_{21}O_4P$ M_r 368.37 [1330-78-5] pract. Mixture of isomers; B.P. 250°; d_4^{20} 1.163; n_D^{20} 1.553	1 lt $\approx$ 1.16 kg	1 lt 25. —	5 lt 105. —
77271		Tridecafluoroheptanoic acid purum $C_7HF_{13}O_2$ M_r 364.06	1 lt $\approx$ 1.79 kg	5 ml 18. —	25 ml 75. —
	Tridecanal (Aldehyde C_{13} ; "Tridecyl aldehyde")				
91500		$CH_3(CH_2)_{11}CHO$ $C_{13}H_{26}O$ M_r 198.35 [10486-19-8] techn. $\sim$ 85%(GC); d_4^{20} 0.835; n_D^{20} 1.439; trimerizes easily; contains <8% Tridecanoic acid; store in refrigerator	1 lt $\approx$ 0.84 kg	5 ml 32. —	25 ml 135. —
	Tridecane (Alkane C_{13})				
91490	3/4; 94°	$CH_3(CH_2)_{11}CH_3$ $C_{13}H_{28}$ M_r 184.37 [629-50-5] puriss. Standard for GC; 99.5%(GC); M.P. -5.5°; B.P. 235-236°; d_4^{20} 0.755; n_D^{20} 1.426	1 lt $\approx$ 0.76 kg	10 ml 35. —	50 ml 145. —
91492		purum >97%(GC); M.P. -6--4°; B.P. 110-112°; d_4^{20} 0.755; n_D^{20} 1.426	1 lt $\approx$ 0.76 kg	25 ml 16. —	100 ml 55. —
	Tridecanedioic acid (Brassylic acid; Dicarboxylic acid C_{13})				
91510		$HOOC(CH_2)_{11}COOH$ $C_{13}H_{24}O_4$ M_r 244.33 [505-52-2] puriss. $\sim$ 99%(GC); M.P. 112-114°		1 g 13. —	10 g 105. —
91540		Tridecanoic acid purum $\sim$ 98%(GC); M.P. 42-44° (Carboxylic acid C_{13}) $CH_3(CH_2)_{11}COOH$ $C_{13}H_{26}O_2$ M_r 214.35 [638-53-9]		10 g 18. —	50 g 67. —
91520		1-Tridecanol purum >98%(GC); M.P. 30-32° (Alcohol C_{13} ; Tridecyl alcohol) $CH_3(CH_2)_{12}OH$ $C_{13}H_{28}O$ M_r 200.37 [112-70-9]		10 g 25. —	50 g 105. —
91531		2-Tridecanol pract. $\sim$ 95%(GC); d_4^{20} 0.83; n_D^{20} 1.443 (Methyl undecyl carbinol) $CH_3(CH_2)_{10}CH(OH)CH_3$ $C_{13}H_{28}O$ M_r 200.37 [1653-31-2]	1 lt $\approx$ 0.83 kg	10 ml 22. —	50 ml 90. —
69620		2-Tridecanone pract. 85-90%(GC); M.P. 24-27°; B.P. 263° (Lit.) (Methyl undecyl ketone) $CH_3(CH_2)_{10}COCH_3$ $C_{13}H_{26}O$ M_r 198.35 [593-08-8]		25 g 14. —	100 g 50. —
	7-Tridecanone (Dihexyl ketone; Oenanthone)				
37240		$CH_3(CH_2)_5CO(CH_2)_5CH_3$ $C_{13}H_{26}O$ M_r 198.35 [462-18-0] purum >98%(GC); M.P. 27-30°; store in refrigerator		25 g 17. —	100 g 60. —
91580		Tridecene purum >99%(GC); B.P. 230-232°; d_4^{20} 0.765; n_D^{20} 1.433 3/4; 92° $CH_3(CH_2)_{10}CH:CH_2$ $C_{13}H_{26}$ M_r 182.35 [2437-56-1]	1 lt $\approx$ 0.77 kg	25 ml 17. —	100 ml 60. —

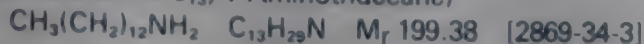
sFr.

sFr

Tridecyl alcohol see 91520 1-Tridecanol

"Tridecyl aldehyde" see 91500 Tridecanal

Tridecylamine (Amine C₁₃; 1-Aminotridecane)



91590

purum >98%(GC); M.P. 25-27°

10 g 22. —

50 g 90. —

91591

pract. Mixture of Isomers; M.P. -12--8°

500 g 18. —

Tridecyl bromide see 18540 1-Bromotridecane

Tridecyl cyanide see 70140 Myristonitrile

Tridecylphosphoric acid



91615

techn. d₄²⁰ 0.977; n_D²⁰ 1.456; Mixture of Mono- and Di-tridecylphosphoric acid

1 lt ≈ 0.98 kg

250 ml 14. —

1 lt 50. —

Trideuteroacetone see 91619 Acetonitrile-d₃

Trideuteroammonia see 91630 Ammonia-d₃

Trideuteromethyl iodide see 91650 Methyl iodide-d₃

Trideuteronitromethane see 91658 Nitromethane-d₃

Triethanolamine [2,2',2"-Nitrilotriethanol; Tris(2-hydroxyethyl)amine]



90280

puriss. p.a. M.P. 20-22°; B.P.₁₅ 206-207° (Lit.); d₄²⁰ 1.124; n_D²⁰ 1.485

1 lt ≈ 1.12 kg

250 ml 8. —

1 lt 22. —

Fluka-Guarantee:

Assay (GC) >99.0 % Lead (Pb) <0.00001 %

Water (H₂O) <0.2 % Cobalt (Co) <0.00001 %

Ethanolamine (GC) <0.1 % Nickel (Ni) <0.00001 %

Diethanolamine (GC) <0.3 % Copper (Cu) <0.00005 %

Ash (as SO₄) <0.05 % Cadmium (Cd) <0.000005 %

Iron (Fe) <0.00005 % Zinc (Zn) <0.000005 %

90282

purum >97%(GC); M.P. 19-21°; d₄²⁰ 1.124; n_D²⁰ 1.485

1 lt ≈ 1.12 kg

1 lt 14. —

5 lt 60. —

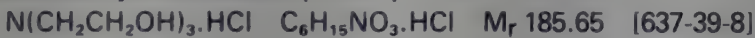


90290

Triethanolamine hydrochloride puriss. p.a. M.P. 178-179°

100 g 11. —

500 g 46. —



Fluka-Guarantee:

Assay >99.0 % Iron (Fe) <0.0005 %

pH (5% solution in water, 20°C) 4.0-5.5 Zinc (Zn) <0.0005 %

Copper (Cu) <0.0005 % Cadmium (Cd) <0.0005 %

Lead (Pb) <0.0005 % Ash (as SO₄) <0.01 %



Triethoxysilane



90310

pract. >90%(GC); B.P. 135° (Lit.); d₄²⁰ 0.896; n_D²⁰ 1.379

1 lt ≈ 0.90 kg

25 ml 16. —

100 ml 55. —

3-Triethoxysilylpropylamine see 09324 3-Aminopropyltriethoxysilane

Triethoxyvinylsilane see 95080 Vinyltriethoxysilane

Triethylaluminum pract.



90322

Cyl. with 0.25 lt, net ~150 g

250. —

(price of product 110. —)

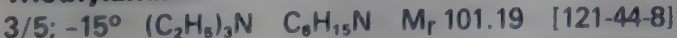
90324

Cyl. with 1.5 lt, net ~1.0 kg

340. —

(price of product 180. —)

Triethylamine



90340

puriss. p.a. B.P. 88-89°; d₄²⁰ 0.726; n_D²⁰ 1.401

1 lt ≈ 0.73 kg

250 ml 9. —

1 lt 30. —

2.5 lt 67. —

Fluka-Guarantee:

Assay (GC) >99.5 % Nickel (Ni) <0.00001 %

Water (H₂O) <0.1 % Copper (Cu) <0.00001 %

Residue on evaporation <0.003 % Lead (Pb) <0.00001 %

Iron (Fe) <0.00005 % Cadmium (Cd) <0.00001 %

Cobalt (Co) <0.00001 % Zinc (Zn) <0.00001 %

90342

purum >98%(GC); B.P. 86-89°; d₄²⁰ 0.726; n_D²⁰ 1.401; <0.5% H₂O

1 lt ≈ 0.73 kg

1 lt 15. —

2.5 lt 33. —



			sFr.	sFr.
	Triethylamine hydrochloride (C ₂ H ₅) ₃ N.HCl C ₆ H ₁₅ N.HCl M _r 137.66 [554-68-7]			
90350	purum >99%(Cl); M.P. 256-259° dec.; 1 g clearly and colourless soluble in 10 ml water		250 g 18. —	1 kg 65. —
90355	Triethylaminetris-hydrofluoride purum (C ₂ H ₅) ₃ N.3HF C ₆ H ₁₅ N.3HF M _r 161.21	1 lt ≈ 0.81 kg	25 ml 21. —	100 ml 75. —
	Triethylamine-borane see 15589 Borane-triethylamine complex			
	1,2,4-Triethylbenzene 3/4; 76° C ₆ H ₃ (C ₂ H ₅) ₃ C ₁₂ H ₁₈ M _r 162.28 [877-44-1]			
90365	purum >98%(GC); B.P. 220-222°; d ₄ ²⁰ 0.872; n _D ²⁰ 1.502	1 lt ≈ 0.87 kg	5 ml 24. —	25 ml 100. —
	1,3,5-Triethylbenzene 3/4; 76° C ₆ H ₃ (C ₂ H ₅) ₃ C ₁₂ H ₁₈ M _r 162.28 [102-25-0]			
90367	purum >99%(GC); B.P. 214-216°; d ₄ ²⁰ 0.861; n _D ²⁰ 1.496	1 lt ≈ 0.86 kg	5 ml 18. —	25 ml 75. —
	Triethyl borate (Boric acid triethyl ester) 3/1a; 11° B(OC ₂ H ₅) ₃ C ₆ H ₁₅ BO ₃ M _r 146.00 [150-46-9]			
90370	pract. >98%(GC); B.P. 118-120°; d ₄ ²⁰ 0.863; n _D ²⁰ 1.376	1 lt ≈ 0.86 kg	100 ml 18. —	500 ml 75. —
	Triethyl carbinol see 04640 3-Ethyl-3-pentanol			
	Triethyl carboxymethylphosphonate see 79525 Triethyl phosphonoacetate			
	Triethylchlorosilane (Chlorotriethylsilane) 8/23b; 22° ClSi(C ₂ H ₅) ₃ C ₆ H ₁₅ ClSi M _r 150.73 [994-30-9]			
90383	purum >97%(GC); B.P. 145-147°; d ₄ ²⁰ 0.898; n _D ²⁰ 1.431	1 lt ≈ 0.90 kg	10 ml 30. —	
	Triethyl citrate HOC(COOC ₂ H ₅)(CH ₂ COOC ₂ H ₅) ₂ C ₁₂ H ₂₀ O ₇ M _r 276.29 [77-93-0]			
27500	purum >98%(GC); B.P. ₁₅₀ 235° (Lit.); d ₄ ²⁰ 1.139; n _D ²⁰ 1.443	1 lt ≈ 1.14 kg	250 ml 10. —	1 lt 35. —
	Triethylenediamine see 33480 1,4-Diazabicyclo[2.2.2]octane			
	Triethylene glycol anhydrous (Triglycol) HO(CH ₂ CH ₂ O) ₂ CH ₂ CH ₂ OH C ₆ H ₁₄ O ₄ M _r 150.18 [112-27-9]			
90390	puriss. >99%(GC); B.P. _{0.1} 125-127°; d ₄ ²⁰ 1.125; n _D ²⁰ 1.456; H ₂ O <0.08%	1 lt ≈ 1.13 kg	250 ml 12. —	1 lt 40. —
90392	purum >97%(GC); d ₄ ²⁰ 1.125; n _D ²⁰ 1.456; H ₂ O <0.1%	1 lt ≈ 1.13 kg	1 lt 15. —	2.5 lt 33. —
	Triethylene glycol dimethacrylate CH ₂ :C(CH ₃)COO(CH ₂ CH ₂ O) ₃ COC(CH ₃):CH ₂ C ₁₄ H ₂₂ O ₆ M _r 286.33 [109-16-0]			
90412	techn. ~90-95%(GC); B.P. ₁₂ 162°; d ₄ ²⁰ 1.072; n _D ²⁰ 1.461; stab. with 100 ppm Hydroquinone-monomethyl ether	1 lt ≈ 1.07 kg	250 ml 24. —	1 lt 90. —
	Triethylene glycol dimethyl ether [1,2-Bis(2-methoxyethoxy)ethane; Dimethyltriglycol; Triglyme] CH ₃ O(CH ₂ CH ₂ O) ₃ CH ₃ C ₈ H ₁₈ O ₄ M _r 178.23 [112-49-2]			
90420	purum >98%(GC); B.P. 224-227°; d ₄ ²⁰ 0.985; n _D ²⁰ 1.422	1 lt ≈ 0.98 kg	250 ml 17. —	1 lt 60. —
	Triethylene glycol monochlorohydrin ClCH ₂ CH ₂ OCH ₂ CH ₂ OCH ₂ CH ₂ OH C ₆ H ₁₃ ClO ₃ M _r 168.62 [5197-62-6]			
90445	purum >98%(GC); B.P. ₁₆ 142° (Lit.); d ₄ ²⁰ 1.161; n _D ²⁰ 1.459	1 lt ≈ 1.16 kg	50 ml 15. —	250 ml 63. —
	Triethylene glycol monomethyl ether (Methyltriglycol) CH ₃ O(CH ₂ CH ₂ O) ₂ CH ₂ CH ₂ OH C ₇ H ₁₆ O ₄ M _r 164.20 [112-35-6]			
90450	techn. ~85%(GC); d ₄ ²⁰ 1.046; n _D ²⁰ 1.438	1 lt ≈ 1.05 kg	250 ml 12. —	1 lt 40. —
	Triethylenetetramine 8/35 NH ₂ CH ₂ CH(NHCH ₂ CH ₂) ₂ NH ₂ C ₈ H ₁₈ N ₄ M _r 146.24 [112-24-3]			
90460	purum >98%(GC); B.P. ₂₀ 157° (Lit.); d ₄ ²⁰ 0.973; n _D ²⁰ 1.496	1 lt ≈ 0.97 kg	10 ml 30. —	50 ml 125. —
90462	techn. >95%(NT); d ₄ ²⁰ 0.978; n _D ²⁰ 1.498	1 lt ≈ 0.98 kg	250 ml 9. —	1 lt 30. —
90465	Triethylenetetramine dihydrochloride purum >99%(Cl); M.P. 120-125° dec. NH ₂ CH ₂ CH ₂ NHCH ₂ CH ₂ NHCH ₂ CH ₂ NH ₂ ·2HCl C ₈ H ₁₈ N ₄ ·2HCl M _r 219.16 [38260-01-4]		5 g 24. —	25 g 100. —

				sFr.	sFr.
	Triethylenetetramine disulfate				
	$\text{NH}_2\text{CH}_2\text{CH}_2(\text{NHCH}_2\text{CH}_2)_2\text{NH}_2 \cdot 2\text{H}_2\text{SO}_4 \cdot 2\text{H}_2\text{O}$ $\text{C}_6\text{H}_{18}\text{N}_4 \cdot 2\text{H}_2\text{SO}_4 \cdot 2\text{H}_2\text{O}$				
	M_r 378.42 [25291-67-2]				
90470	puriss. p.a. $\sim 99\%$ (T); M.P. 300-305° dec.; Ash $< 0.05\%$; for the spectrophotometric determination of Cu; Anal. Chem. 34, 1392 (1962)				
				25 g 17. —	100 g 60. —
	Triethylenetetramine-N,N,N',N'',N''',N'''-hexaacetic acid, TTHA				
	$(\text{HOOCCH}_2)_2\text{NCH}_2\text{CH}_2\text{N}(\text{CH}_2\text{COOH})\text{CH}_2\text{CH}_2\text{N}(\text{CH}_2\text{COOH})\text{CH}_2\text{CH}_2\text{N}(\text{CH}_2\text{COOH})_2$				
	$\text{C}_{18}\text{H}_{30}\text{N}_4\text{O}_{12}$ M_r 494.45 [869-52-3]				
90471	purum $> 98\%$ (T); M.P. 234-236° dec.; Ash $< 0.1\%$				
				5 g 29. —	
90485	Triethylmethyammonium bromide purum $> 99\%$ (Br) (Methyltriethylammonium bromide)				
	$(\text{C}_2\text{H}_5)_3\text{N}(\text{Br})\text{CH}_3$ $\text{C}_7\text{H}_{18}\text{BrN}$ M_r 196.14 [2700-16-5]				
				25 g 26. —	100 g 95. —
	Triethyl orthoacetate				
	3/3; 32° $\text{CH}_3\text{C}(\text{OC}_2\text{H}_5)_3$ $\text{C}_8\text{H}_{18}\text{O}_3$ M_r 162.23 [78-39-7]				
75580	purum $\sim 97\%$ (GC); B.P. 142-145°; d_4^{20} 0.889; n_D^{20} 1.396				
		1 lt ≈ 0.89 kg	100 ml 18. —	500 ml 75. —	
75570	Triethyl orthobenzoate purum B.P. $\sim 80^\circ$; d_4^{20} 0.991; n_D^{20} 1.473				
	$\text{C}_6\text{H}_5\text{C}(\text{OC}_2\text{H}_5)_3$ $\text{C}_{13}\text{H}_{20}\text{O}_3$ M_r 224.30 [1663-61-2]				
		1 lt ≈ 0.99 kg	10 ml 18. —	50 ml 75. —	
	Triethyl orthoformate				
	3/3; 30° $\text{CH}(\text{OC}_2\text{H}_5)_3$ $\text{C}_7\text{H}_{16}\text{O}_3$ M_r 148.20 [122-51-0]				
75530	purum $> 99\%$ (GC); B.P. 144-146°; d_4^{20} 0.891; n_D^{20} 1.391				
		1 lt ≈ 0.89 kg	250 ml 9. —	1 lt 28. —	
	Triethyl orthopropionate				
	3/3; 39° $\text{CH}_3\text{CH}_2\text{C}(\text{OC}_2\text{H}_5)_3$ $\text{C}_9\text{H}_{20}\text{O}_3$ M_r 176.26 [115-80-0]				
75601	pract. $\sim 95\%$ (GC); B.P. 161-163°; d_4^{20} 0.886; n_D^{20} 1.401				
		1 lt ≈ 0.89 kg	100 ml 22. —	500 ml 90. —	
	Triethyloxonium tetrafluoroborate				
	8/15a $(\text{C}_2\text{H}_5)_3\text{OBF}_4$ $\text{C}_6\text{H}_{15}\text{BF}_4\text{O}$ M_r 189.99 [368-39-8]				
90520	purum stab. with 1-3% Ether; M.P. 90°; store in refrigerator; very hygroscopic; 1 g clearly and colourless in 50 ml Methylenechloride; decomposes easily				
				25 g 21. —	100 g 75. —
90530	Triethyl phosphate purum $> 98\%$ (GC); B.P. $\sim 95-98^\circ$; d_4^{20} 1.068; n_D^{20} 1.407				
	$(\text{C}_2\text{H}_5)_3\text{PO}$ $\text{C}_6\text{H}_{15}\text{O}_4\text{P}$ M_r 182.16 [78-40-0]				
		1 lt ≈ 1.07 kg	250 ml 9. —	1 lt 28. —	
90535	Triethylphosphine pract. $\sim 95\%$ (GC)				
	6.1/81a $\text{P}(\text{C}_2\text{H}_5)_3$ $\text{C}_6\text{H}_{15}\text{P}$ M_r 118.16 [554-70-1]				
				Ampoule of 10 g	80. —
90540	Triethyl phosphite purum $> 97\%$ (GC); B.P. 153-157°; d_4^{20} 0.955; n_D^{20} 1.413				
	3/3; 26° $(\text{C}_2\text{H}_5)_3\text{P}$ $\text{C}_6\text{H}_{15}\text{O}_3\text{P}$ M_r 166.16 [122-52-0]				
		1 lt ≈ 0.96 kg	250 ml 10. —	1 lt 32. —	
	Triethyl phosphonoacetate (Triethyl carboxymethylphosphonate)				
	105° $(\text{C}_2\text{H}_5\text{O})_2\text{P}(\text{O})\text{CH}_2\text{COOC}_2\text{H}_5$ $\text{C}_8\text{H}_{17}\text{O}_5\text{P}$ M_r 224.20 [867-13-0]				
79525	purum $> 98\%$ (GC); B.P. $\sim 85^\circ$; d_4^{20} 1.120; n_D^{20} 1.432; A Wittig-Reagent; Review: J. Bantagy, R. Thomas. Chem. Rev. 74, 87 (1974)				
		1 lt ≈ 1.12 kg	25 ml 7. —	100 ml 15. —	500 ml 63. —
	Triethyl silane				
	3/1a; -20° $(\text{C}_2\text{H}_5)_3\text{SiH}$ $\text{C}_6\text{H}_{16}\text{Si}$ M_r 116.28 [617-86-7]				
90550	purum $> 99\%$ (GC); B.P. 105-107°; d_4^{20} 0.730; n_D^{20} 1.412; Reagent for the reduction of different functional groups (e.g. acyl halides to aldehydes, alkyl halides and secondary alcohols to hydrocarbons): L. Fieser, M. Fieser, "Reagents for Organic Synthesis" 5, 694; M.P. Doyle et al., Org. Chem. 41, 1393 (1976); M.P. Doyle et al., J. Organomet. Chem. 117, 129 (1976); M. G. Adlington et al., Tetrahedron Lett. 2955 (1976); J. L. Fry et al., J. Org. Chem. 43, 374 (1978)				
		1 lt ≈ 0.73 kg	10 ml 14. —	50 ml 60. —	
	Trifluoroacetic acid (TFA)				
	8/21 CF_3COOH $\text{C}_2\text{HF}_3\text{O}_2$ M_r 114.03 [76-05-1]				
91699	for sequential analysis				
91700	purum $> 98\%$ (T); B.P. 71-73°; d_4^{20} 1.490				
		1 lt ≈ 1.49 kg	25 ml 10. —	100 ml 25. —	500 ml 90. —
	Trifluoroacetic acid-d (Deuterio-trifluoroacetic acid)				
	8/21 CF_3COOD $\text{C}_2\text{DF}_3\text{O}_2$ M_r 115.03 [599-00-8]				
31380	puriss. > 99.5 Atom% D; $< 0.2\%$ $\text{H}_2\text{O} + \text{D}_2\text{O}$ (with Fluka-Guarantee)				
		1 lt ≈ 1.50 kg	10 ml 25. —	50 ml 105. —	

sFr.

sFr.

Trifluoroacetic acid Thallium(III) salt

see 88296 Thallium(III) trifluoroacetate

Trifluoroacetic acid trimethylsilylester

see 91733 Trimethylsilyl trifluoroacetate

Trifluoroacetic anhydride (TFAA)8/21 (CF₃CO)₂O C₄F₆O₃ M_r 210.03 [407-25-0]

91719	puriss. biochim. >99%(GC); B.P. 39-40°; d ₄ ²⁰ 1.506; store in refrigerator; for the preparation of volatile derivatives of primary and secondary amines: T. Ueno, N. Kurihara, M. Nakaiima, Agr. Biol. Chem. 31, 1189 (1967); W. J. Irvine and M. J. Saxby, J. Chromatogr. 43, 129 (1969); E. R. Cole and G. Crank, J. Chromatogr. 61, 225 (1971), and reversible lysine-modification: Shawn Doonan, H. M. A. Fahmy, Eur. J. Biochem. 56, 421 (1975)	1 lt ≈ 1.51 kg	10 ml 20. —	50 ml 85. —
91720	purum >98%(GC); M.P. 39-40°; d ₄ ²⁰ 1.51; store in refrigerator	1 lt ≈ 1.51 kg	10 ml 9. —	50 ml 24. — 250 ml 100. —

1,1,1-Trifluoroacetone3/1a; 22° CH₃COCF₃ C₃H₃F₃O M_r 112.05 [421-50-1]

91680	purum ~98%(GC); M.P. 21-23°; d ₄ ²⁰ 1.186; store in refrigerator	1 lt ≈ 1.19 kg	10 ml 30. —	50 ml 125. —
-------	--	----------------	-------------	--------------

α,α,α-Trifluoroacetophenone6.1/12c CF₃COC₆H₅ C₈H₅F₃O M_r 174.12 [434-45-7]

91685	purum >98%(GC); B.P. 46-48°; d ₄ ²⁰ 1.275; n _D ²⁰ 1.459	1 lt ≈ 1.28 kg	5 ml 20. —	25 ml 85. —
-------	---	----------------	------------	-------------

α,α,α-Trifluoroacetylacetone

see 91674 1,1,1-Trifluoro-2,4-pentanedione

2,2,2-Trifluoro-1-(benzyloxycarbonylamino)ethanol

see 56535 Benzyl N-(1-hydroxy-2,2,2-trifluoroethyl)carbamate

α,α,α-Trifluoro-m-cresol see 54820 3-Hydroxybenzotrifluoride**2,2,2-Trifluoroethanesulfonyl chloride (Tresyl chloride)**8/11a CF₃CH₂SO₂Cl C₂H₂ClF₃O₂S M_r 182.55 [1648-99-3]

91691	purum >97%(Cl); B.P. 140-141°; d ₄ ²⁰ 1.654; n _D ²⁰ 1.388; + ~2%; CH ₃ CH ₂ SO ₂ Cl "a reactive new leaving group" 2,2,2-Trifluoroethanesulfonate (tresylate); R. K. Crossland, W. E. Wells, V. J. Shiner, J. Am. Chem. Soc. 93, 4217 (1971)	1 lt ≈ 1.65 kg	1 ml 28. —	5 ml 120. —
-------	--	----------------	------------	-------------

2,2,2-Trifluoroethanol (Trifluoroethyl alcohol)3/3; 35° CF₃CH₂OH C₂H₃F₃O M_r 100.04 [75-89-8]

91690	puriss. >99.5%(GC); B.P. 74-75°; d ₄ ²⁰ 1.390	1 lt ≈ 1.39 kg	25 ml 13. —	100 ml 45. —
-------	---	----------------	-------------	--------------

Trifluoroethyl alcohol see 91690 2,2,2-Trifluoroethanol**2,2,2-Trifluoroethyl iodide (2-Iodo-1,1,1-trifluoroethane; 1,1,1-Trifluoro-2-iodoethane)**6.1/12 CF₃CH₂I C₂H₂F₃I M_r 209.94 [353-83-3]

91693	purum >97%(GC); contains 1-3% 2,2,2-Trifluoroethanol; B.P. 53-55°; d ₄ ²⁰ 2.154; n _D ²⁰ 1.400	1 lt ≈ 2.15 kg	5 ml 29. —	25 ml 120. —
-------	---	----------------	------------	--------------

1,1,1-Trifluoro-4-mercapto-4-(2-thienyl)-3-butene-2-one

see 89055 2-Thiothenoyltrifluoroacetone

Trifluoromethanesulfonic acid (Trimesylate acid)8/15 CF₃SO₃H CHF₃O₃S M_r 150.08 [1493-13-6]

91738	purum >98%(T); d ₄ ²⁰ 1.708; n _D ²⁰ 1.331; appearance: yellow-brown; Review: R. D. Howells, J. D. McCown, Chem. Rev. 77, 69-92 (1977)	1 lt ≈ 1.71 kg	10 ml 22. —	50 ml 90. —
-------	---	----------------	-------------	-------------

Trifluoromethanesulfonic acid anhydride8/15 (CF₃SO₂)₂O C₂F₆O₆S₂ M_r 282.14 [358-23-6]

91737	purum >98%(T); B.P. 81-83°; d ₄ ²⁰ 1.719; n _D ²⁰ 1.322; Electrophilic trifyl source; Reviews: R. D. Howells, J. J. McCown, Chem. Rev. 77, 69 (1977); J. B. Hendrickson et al., Org. Prep. Proc. Int. 9, 173 (1977); J. B. Hendrickson et al., Acc. Chem. Res. 10, 306 (1977)	1 lt ≈ 1.72 kg	5 ml 32. —	25 ml 120. —
-------	--	----------------	------------	--------------

Trifluoromethanesulfonic acid tert-butyl dimethylsilylester see 91742

tert-Butyl-dimethylsilyl trifluoromethane sulfonate

Trifluoromethanesulfonic acid Silver salt see 85325 Silver trifluoromethanesulfonate

				sFr.	sFr.
91739	1-(Trifluoromethanesulfonyl) imidazole [1-(Trifluoromethylsulfonyl)imidazole] 6.1/81e $\text{CH:NCH:CHNSO}_2\text{CF}_3$ $\text{C}_4\text{H}_3\text{F}_3\text{N}_2\text{O}_2\text{S}$ M_r 201.14 [29540-81-6] pract. >98%(S); M.P. 19-21°; d_4^{20} 1.522; n_D^{20} 1.416; store in refrigerator; Electrophilic trifyl source; Review: J. B. Hendrickson et al., Org. Prep. Proc. Int. 9, 173 (1977); preparation of vinyl triflates; Review: P. J. Stang, Acc. Chem. Res. 11, 107 (1978)	1 lt $\approx$ 1.52 kg	1 ml 25. —	5 ml 105. —	
91740	2-Trifluoromethylacetophenone (2-Acetylbenzotrifluoride) $\text{CF}_3\text{C}_6\text{H}_4\text{COCH}_3$ $\text{C}_9\text{H}_7\text{F}_3\text{O}$ M_r 188.15 [17408-14-9] purum >98%(GC); B.P. 163-165° (Lit.); d_4^{20} 1.262; n_D^{20} 1.459	1 lt $\approx$ 1.26 kg	1 ml 25. —	5 ml 105. —	
91745	3-Trifluoromethylacetophenone (3-Acetylbenzotrifluoride) $\text{C}_9\text{H}_7\text{F}_3\text{O}$ M_r 188.15 [349-76-8] purum >98%(GC); B.P. 124-127°; d_4^{20} 1.260; n_D^{20} 1.460	1 lt $\approx$ 1.26 kg	5 ml 29. —		
91750	4-Trifluoromethylacetophenone (4-Acetylbenzotrifluoride) $\text{CF}_3\text{C}_6\text{H}_4\text{COCH}_3$ $\text{C}_9\text{H}_7\text{F}_3\text{O}$ M_r 188.15 [709-63-7] purum $\sim$ 98%(GC); M.P. 26-28°		1 g 35. —	5 g 145. —	
	2-, 3- and 4-Trifluoromethylaniline see 07040, 07060 and 07071 2-, 3- and 4-Aminobenzotrifluoride				
	Trifluoromethylbenzene see 12810 α,α,α -Trifluorotoluene				
91770	3-Trifluoromethylbenzoic acid (3-Carboxybenzotrifluoride; α,α,α -Trifluoro-m-toluic acid) $\text{CF}_3\text{C}_6\text{H}_4\text{COOH}$ $\text{C}_8\text{H}_5\text{F}_3\text{O}_2$ M_r 190.12 [454-92-2] purum >98%(T); M.P. 103-104°; Ash <0.1%		5 g 18. —	25 g 75. —	
91780	4-Trifluoromethylbenzoic acid (4-Carboxybenzotrifluoride; α,α,α -Trifluoro-p-toluic acid) $\text{CF}_3\text{C}_6\text{H}_4\text{COOH}$ $\text{C}_8\text{H}_5\text{F}_3\text{O}_2$ M_r 190.12 [455-24-3] purum >97%(T); M.P. 219-222°; Ash <0.2%		1 g 10. —	5 g 37. —	
91800	3-Trifluoromethylbenzonitrile (3-Cyano-benzotrifluoride; α,α,α -Trifluoro-m-tolunitrile) 6.1/21 $\text{CF}_3\text{C}_6\text{H}_4\text{CN}$ $\text{C}_8\text{H}_4\text{F}_3\text{N}$ M_r 171.12 [368-77-4] purum >98%(GC); M.P. 16-20°; B.P. 189-191°; d_4^{20} 1.277; n_D^{20} 1.458	1 lt $\approx$ 1.28 kg	10 ml 13. —	50 ml 55. —	
91820	2-Trifluoromethylbenzoyl chloride 8/22 $\text{CF}_3\text{C}_6\text{H}_4\text{COCl}$ $\text{C}_8\text{H}_4\text{ClF}_3\text{O}$ M_r 208.57 [312-94-7] pract. >97%(GC); B.P. 169°; d_4^{20} 1.413; n_D^{20} 1.477	1 lt $\approx$ 1.41 kg	5 ml 60. —		
91830	3-Trifluoromethylbenzoyl chloride 8/22 $\text{CF}_3\text{C}_6\text{H}_4\text{COCl}$ $\text{C}_8\text{H}_4\text{ClF}_3\text{O}$ M_r 208.57 [2251-65-2] purum >98%(GC); B.P. 189-191°; d_4^{20} 1.408; n_D^{20} 1.477	1 lt $\approx$ 1.41 kg	5 ml 26. —	25 ml 110. —	
91840	4-Trifluoromethylbenzoyl chloride 8/22 $\text{CF}_3\text{C}_6\text{H}_4\text{COCl}$ $\text{C}_8\text{H}_4\text{ClF}_3\text{O}$ M_r 208.57 [329-15-7] purum >98%(GC); B.P. 188-190°; d_4^{20} 1.399; n_D^{20} 1.477	1 lt $\approx$ 1.40 kg	5 ml 60. —		
91850	3-Trifluoromethylbenzoyl fluoride 8/22 $\text{CF}_3\text{C}_6\text{H}_4\text{COF}$ $\text{C}_8\text{H}_4\text{F}_4\text{O}$ M_r 192.11 [328-99-4] pract. B.P. 158-162° (Lit.); d_4^{20} 1.383; n_D^{20} 1.434	1 lt $\approx$ 1.38 kg	25 ml 13. —	100 ml 45. —	
	3-Trifluoromethylbenzyl chloride see 25103 3-(Chloromethyl)benzotrifluoride				
	3-Trifluoromethylphenol see 54820 3-Hydroxybenzotrifluoride				
91868	3-Trifluoromethylphenylacetic acid [(α,α,α -Trifluoro-m-tolyl)acetic acid] $\text{CF}_3\text{C}_6\text{H}_4\text{CH}_2\text{COOH}$ $\text{C}_9\text{H}_7\text{F}_3\text{O}_2$ M_r 204.15 [351-35-9] purum >99%(T); M.P. 75-76°		10 g 15. —	50 g 63. —	
91865	N-(3-Trifluoromethylphenyl)anthranilic acid purum (Flufenamic acid) $\text{CF}_3\text{C}_6\text{H}_4\text{NHC}_6\text{H}_4\text{COOH}$ $\text{C}_{14}\text{H}_{10}\text{F}_3\text{NO}_2$ M_r 281.24 [530-78-9]		10 g 10. —	50 g 42. —	
91870	3-Trifluoromethylphenyl isocyanate (α,α,α -Trifluoro-m-tolyl isocyanate) 6.1/21 $\text{CF}_3\text{C}_6\text{H}_4\text{NCO}$ $\text{C}_8\text{H}_4\text{F}_3\text{NO}$ M_r 187.12 [329-01-1] pract. $\sim$ 97%(GC); B.P. 115.4°; d_4^{20} 1.336; n_D^{20} 1.467	1 lt $\approx$ 1.34 kg	100 ml 25. —		
	1-(Trifluoromethylsulfonyl)imidazole see 91739 1-(Trifluoromethanesulfonyl)imidazole				
77280	(Trifluoromethyl)undecafluorocyclohexane (Perfluoromethylcyclohexane) 8/21 $\text{CF}_2(\text{CF}_2)_4\text{CFCF}_3$ C_7F_{14} M_r 350.06 [355-02-2] pract. $\sim$ 98%(GC); B.P. 76°; d_4^{20} 1.80		5 g 18. —	25 g 75. —	

sFr.

sFr.

	α,α,α-Trifluoro-2,4-pentanedione (α,α,α -Trifluoroacetylacetone)					
	3/3	$\text{CH}_3\text{COCH}_2\text{COCF}_3$	$\text{C}_5\text{H}_5\text{F}_3\text{O}_2$	M_r 154.09 [367-57-7]		
91674		purum >99%(GC); B.P. 105-106°; d_4^{20} 1.274; n_D^{20} 1.389		1 lt $\approx$ 1.27 kg	5 ml 26. —	25 ml 110. —
	4,4,4-Trifluoro-1-(thienyl)-1,3-butanedione see 88300 2-Thienyltrifluoroacetone					
	1,1,1-Trifluoro-3-(2-thienyl)-2-propanone , TTA (2-Thienyltrifluoroacetone)					
	6.1/81g	$\text{CF}_3\text{COCH}_2\text{C}(\text{CH}_3)\text{CH}(\text{C}_6\text{H}_5)\text{CH}_3$	$\text{C}_7\text{H}_5\text{F}_3\text{OS}$	M_r 194.18 [14529-33-0]		
91874		purum p.a. M.P. 43-44°			5 g 32. —	
	4,4,4-Trifluoro-1-(2-thienyl)-1-thio-1,3-butanedione see 89055 2-Thiothienyltrifluoroacetate					
	α,α,α-Trifluorotoluene (Benzotrifluoride; Trifluoromethyl-benzene)					
	3/1a; 12°	$\text{C}_6\text{H}_5\text{CF}_3$	$\text{C}_7\text{H}_5\text{F}_3$	M_r 146.11 [98-08-8]		
12810		puriss. >99%(GC); M.P. -27--25°; B.P. 100-103°; d_4^{20} 1.19; n_D^{20} 1.414		1 lt $\approx$ 1.19 kg	100 ml 8. —	500 ml 29. —
	α,α,α-Trifluoro-m- and -p-toluic acid					
	see 91770 and 91780 3- and 4-Trifluoromethylbenzoic acid					
	α,α,α-Trifluoro-o-, -m- and -p-toluidine					
	see 07040, 07060 and 07071 2-, 3- and 4-Aminobenzotrifluoride					
	α,α,α-Trifluoro-m-tolunitrile see 91800 3-Trifluoromethylbenzonitrile					
	(α,α,α-Trifluoro-m-tolyl) acetic acid					
	see 91868 3-Trifluoromethylphenyl acetic acid					
	α,α,α-Trifluoro-m-tolyl isocyanate					
	see 91870 3-Trifluoromethylphenyl isocyanate					
	Triglycine see 50240 Glycyl-glycyl-glycine					
	Triglycol see 90390 Triethylene glycol anhydrous					
	Triglycol dichloride see 14620 1,2-Bis(2-chloroethoxy)ethane					
	Triglycyl-glycine see 87300 Tetraglycine					
	Triglyme see 90420 Triethylene glycol dimethyl ether					
	Trigonelline-hydrochloride (N-Methylnicotinic acid betaine hydrochloride)					
		$\text{CH}_3\text{N}(\text{Cl})\text{CHCH}(\text{CH}_3)\text{CH}(\text{COOH})\text{CH}_3$	$\text{C}_7\text{H}_8\text{ClNO}_2$	M_r 173.60 [6138-41-6]		
91890		purum >98%(Cl); M.P. $\sim$ 260° dec.; 1 g clearly soluble in 10 ml water			5 g 26. —	
	Trihexanoin see 91029 Tricaproin					
91900	Trihexylamine	pract. >95%(GC); B.P. 150-159° (Lit.); d_4^{20} 0.797; n_D^{20} 1.442		1 lt $\approx$ 0.80 kg	50 ml 13. —	250 ml 55. —
		$[\text{CH}_3(\text{CH}_2)_5]_3\text{N}$ $\text{C}_{18}\text{H}_{39}\text{N}$ M_r 269.52 [102-86-3]				
	2,4,6-Trihydroxyacetophenone (2-Acetylphloroglucinol; Phloroacetophenone)					
		$(\text{HO})_3\text{C}_6\text{H}_2\text{COCH}_3 \cdot \text{H}_2\text{O}$	$\text{C}_8\text{H}_6\text{O}_4 \cdot \text{H}_2\text{O}$	M_r 186.16 [480-66-0]		
91930		purum >99%(NT); M.P. 218-220°			10 g 22. —	50 g 90. —
	2,4,6-Trihydroxybenzaldehyde see 79340 Phloroglucinolcarboxaldehyde					
	1,2,3-Trihydroxybenzene see 83130 Pyrogallol					
	1,3,5-Trihydroxybenzene see 79330 Phloroglucinol					
	2,3,4-Trihydroxybenzoic acid (Pyrogallol-4-carboxylic acid)					
		$(\text{HO})_3\text{C}_6\text{H}_2\text{COOH}$	$\text{C}_7\text{H}_6\text{O}_5$	M_r 170.12 [610-02-6]		
91940		purum p.a. >97%(T); M.P. 202-203°; Z. anal. Chem. 261, 148 (1972): for the amperometric determination of Vanadium(III)			5 g 24. —	25 g 100. —
	2,4,6-Trihydroxybenzoic acid (Phloroglucinolcarboxylic acid)					
		$(\text{HO})_3\text{C}_6\text{H}_2\text{COOH} \cdot \text{H}_2\text{O}$	$\text{C}_7\text{H}_6\text{O}_5 \cdot \text{H}_2\text{O}$	M_r 188.14 [83-30-7]		
91942		pract. $\sim$ 95%(T); M.P. 205-212° dec.; Ash $\sim$ 0.5%			50 g 32. —	250 g 135. —
	3,4,5-Trihydroxybenzoic acid see 48630 Gallic acid Monohydrate					
91948	2',4',5'-Trihydroxybutyrophenone	pract. >98%(NT); M.P. 151-152°; Antioxidans			10 g 13. —	50 g 55. —
		$(\text{HO})_3\text{C}_6\text{H}_2\text{COCH}_2\text{CH}_2\text{CH}_3$	$\text{C}_{10}\text{H}_{12}\text{O}_4$	M_r 196.21 [1421-63-2]		

sFr.

sFr

3 α ,7 α ,12 α -Trihydroxy-5 β -cholanic acid see 27010 Cholic acid**3 α ,7 α ,12 α -Trihydroxy-5 β -cholanic acid Sodium salt**

see 27030 Cholic acid Sodium salt

3,5,7-Trihydroxyflavone see 48290 Galangin**4',5,7-Trihydroxyflavone** see 10798 Apigenin**3,14,21-Trihydroxy-20(22)-norcholenic acid lactone** see 37020 Digitoxigenin**9,10,16-Trihydroxypalmitic acid** see 05540 Aleuritic acid**2-(2,4,5-Trihydroxyphenyl)ethylamine hydrochloride** see 55241 6-Hydroxydopamine hydrochloride**2,6,7-Trihydroxy-9-phenyl-3H-xanthen-3-one** see 78550 "9-Phenyl-3-fluorone"**2,6,8-Trihydroxypurine** see 51449 Uric acid**2,4,5-Trihydroxypyrimidine** see 58330 Isobarbituric acid**2,4,6-Trihydroxypyrimidine** see 11710 Barbituric acid**2,4,6-Trihydroxy-1,3,5-triazine** see 28630 Cyanuric acid**2,3,5-Triiodobenzoic acid, TIBA** $\text{I}_3\text{C}_6\text{H}_2\text{COOH}$ $\text{C}_7\text{H}_3\text{I}_3\text{O}_2$ M_r 499.81 [88-28-4]

91970 purum >97%(T); M.P. 224-227°; Ash <0.1%; 1 g clearly soluble in 10 ml Dioxane

5 g 20. —

25 g 85. —

91980 **3,4,5-Triiodobenzoic acid** purum >97%(T) $\text{I}_3\text{C}_6\text{H}_2\text{COOH}$ $\text{C}_7\text{H}_3\text{I}_3\text{O}_2$ M_r 499.81 [2338-20-7]

5 g 37. —

Triiodomethane see 57980 Iodoform**3,3',5-Triiodo-L-thyronine (3,5,3')** $\text{HOC}_6\text{H}_3\text{IOC}_6\text{H}_2\text{I}_2\text{CH}_2\text{CH}(\text{NH}_2)\text{COOH}$ $\text{C}_{15}\text{H}_{12}\text{I}_3\text{NO}_4$ M_r 650.98 [6893-02-3]91990 puriss. >99%(NT); M.P. 238-240° dec.; $[\alpha]_{546}^{20} + 27 \pm 2^\circ$; $[\alpha]_D^{20} + 23 \pm 2^\circ$
(c = 5 in 1n HCl/Ethanol 1:2)

250 mg 24. —

1 g 90. —

3,3',5-Triiodo-L-thyronine Sodium salt $\text{HOC}_6\text{H}_3\text{IOC}_6\text{H}_2\text{I}_2\text{CH}_2\text{CH}(\text{NH}_2)\text{COONa}$ $\text{C}_{15}\text{H}_{11}\text{I}_3\text{NNaO}_4$ M_r 672.96

[55-06-1]

92010 purum M.P. ~230-235° dec.; $[\alpha]_{546}^{20} + 25 \pm 1^\circ$; $[\alpha]_D^{20} + 20 \pm 1^\circ$
(c = 5 in 1n HCl/Ethanol 1:2)

250 mg 20. —

1 g 70. —

Triisoamylamine see 92040 Triisopentylamine**Triisobutylaluminum**4/2.3 $[(\text{CH}_3)_2\text{CHCH}_2]_3\text{Al}$ $\text{C}_{12}\text{H}_{27}\text{Al}$ M_r 198.33 [100-99-2]

Reducing agent; Review: E. Winterfeldt, Synthesis 617 (1975)

92022 Cyl. with 0.25 lt, net ~150 g 280. — (price of product 120. —)

92024 Cyl. with 1.50 lt, net ~1 kg 360. — (price of product 200. —)

Triisobutyl phosphate (Phosphoric acid triisobutylester) $\text{C}_{12}\text{H}_{27}\text{O}_4\text{P}$ M_r 266.32 [126-71-6]92035 purum >98%(GC); B.P. 269-271°; d_4^{20} 0.964; n_D^{20} 1.4201 lt $\approx$ 0.96 kg

1 lt 22. —

5 lt 90. —

Triisopentylamine (Triisoamylamine)8/35; 77° $[(\text{CH}_3)_2\text{CHCH}_2\text{CH}_2]_3\text{N}$ $\text{C}_{15}\text{H}_{33}\text{N}$ M_r 227.44 [645-41-0]92040 pract. >97%(GC); B.P. 265-270° (Lit.); d_4^{20} 0.782; n_D^{20} 1.4331 lt $\approx$ 0.78 kg

25 ml 18. —

100 ml 65. —

Triisopropanolamine [1,1',1''-Nitrilotri(2-propanol); Tris(2-hydroxypropyl)amine]8/35 $[\text{CH}_3\text{CH}(\text{OH})\text{CH}_2]_3\text{N}$ $\text{C}_9\text{H}_{21}\text{NO}_3$ M_r 191.27 [122-20-3]92049 pract. >94%(GC); M.P. 46-48°; <5% Diisopropanolamine; <0.5%
Monoisopropanolamine

1 kg 14. —

5 kg 60. —

1,3,5-Triisopropylbenzene $\text{C}_6\text{H}_3[\text{CH}(\text{CH}_3)_2]_3$ $\text{C}_{15}\text{H}_{24}$ M_r 204.36 [717-74-8]92075 purum >98%(GC); B.P. 235-237°; d_4^{20} 0.854; n_D^{20} 1.4881 lt $\approx$ 0.85 kg

50 ml 21. —

250 ml 90. —

2,4,6-Triisopropylbenzenesulfonyl chloride $[(\text{CH}_3)_2\text{CH}]_3\text{C}_6\text{H}_2\text{SO}_2\text{Cl}$ $\text{C}_{15}\text{H}_{23}\text{ClO}_2\text{S}$ M_r 302.87 [6553-96-4]92077 purum >98%(Cl); M.P. 95-97°; 1 g clearly soluble in 100 ml Methanol; Starting
material for the preparation of 2,4,6-Triisopropylbenzenesulfonylhydrazide
(TPSH); a convenient source of di imine: N. J. Cusak, C. B. Reese, A. C. Risius and
B. Roozpeikar, Tetrahedron 32, 2157 (1976)

10 g 18. —

50 g 75. —

			sFr.	sFr.
	1-(2,4,6-Triisopropylbenzene sulfonyl)-imidazole (TPSI)			
	[(CH ₃) ₂ CH] ₃ C ₆ H ₂ SO ₂ NCH:NCH:CH C ₁₈ H ₂₆ N ₂ O ₂ S M _r 334.48 [50257-40-4]			
92074	purum ~97%(N); M.P. 118-120°; Coupling reagent for polynucleotid synthesis: Yu. A. Berlin et al., THL 1353 (1973)		5 g 20. —	25 g 85. —
	1-(2,4,6-Triisopropylbenzenesulfonyl)-1H-1,2,4 triazole			
	[(CH ₃) ₂ CH] ₃ C ₆ H ₂ SO ₂ NCH:NCH:N C ₁₇ H ₂₅ N ₃ O ₂ S M _r 335.45 [54230-60-3]			
92076	purum >98%(N); M.P. 111-112°; Condensing reagent in the synthesis of polynucleotides of defined sequence: N. Katagiri et al., Chem. Commun. 325 (1974); N. Katagiri, K. Hakura, S. A. Narang, J. Am. Chem. Soc. 97, 7332 (1975)		5 g 24. —	25 g 100. —
	Trilaurin (Glycerol-trilaurate)			
	[CH ₃ (CH ₂) ₁₀ COOCH ₂] ₂ CHOCO(CH ₂) ₁₀ CH ₃ C ₃₉ H ₇₄ O ₆ M _r 639.02 [538-24-9]			
92109	puriss. >99%(GC); M.P. 46-48°		5 g 34. —	25 g 145. —
92110	purum M.P. 44-46°		10 g 15. —	50 g 63. —
92115	Trilinolein puriss. [CH ₃ (CH ₂) ₃ (CH ₂ CH:CH) ₂ (CH ₂) ₇ COOCH ₂] ₂ CHOCO(CH ₂) ₇ (CH:CHCH ₂) ₂ (CH ₂) ₃ CH ₃ C ₅₇ H ₉₈ O ₆ M _r 879.42		1 g 22. —	5 g 90. —
92118	Trilinolenin puriss. [CH ₃ (CH ₂ CH:CH) ₃ (CH ₂) ₇ COOCH ₂] ₂ CHOCO(CH ₂) ₇ (CH:CHCH ₂) ₃ CH ₃ C ₅₇ H ₉₂ O ₆ M _r 873.39		100 mg 14. —	500 mg 60. —
	Trimellitic anhydride (Benzene-1,2,4-tricarboxylic acid anhydride)			
	HOOC ₂ C ₆ H ₃ COO ₂ C ₉ H ₄ O ₅ M _r 192.13 [552-30-7]			
92120	pract. 97%(T); M.P. 163-166°		250 g 8. —	1 kg 22. —
	Trimesic acid (Benzene-1,3,5-tricarboxylic acid)			
	C ₆ H ₃ (COOH) ₃ C ₉ H ₆ O ₆ M _r 210.14 [554-95-0]			
92130	pract. >95%(T); M.P. ~360° dec.; Ash <1%		50 g 15. —	250 g 63. —
	Trimesylate acid see 91738 Trifluoromethanesulfonic acid			
	2,3,4-Trimethoxyacetophenone			
	(CH ₃ O) ₃ C ₆ H ₂ COCH ₃ C ₁₁ H ₁₄ O ₄ M _r 210.23 [13909-73-4]			
92125	purum >97%(GC); M.P. 15-18°; d ₄ ²⁰ 1.160; n _D ²⁰ 1.540		1 lt ≈ 1.16 kg	10 ml 20. — 50 ml 85. —
	3,4,5-Trimethoxyacetophenone			
	(CH ₃ O) ₃ C ₆ H ₂ COCH ₃ C ₁₁ H ₁₄ O ₄ M _r 210.23 [1136-86-3]			
92127	purum >98%(GC); M.P. 78-80°; 1 g clearly soluble in 20 ml Methanol		10 g 13. —	50 g 55. —
	3,4,5-Trimethoxyaniline			
	(CH ₃ O) ₃ C ₆ H ₂ NH ₂ C ₉ H ₁₃ NO ₃ M _r 183.21 [24313-88-0]			
92129	purum >99%(NT); M.P. 109-111°; 1 g clearly soluble in 10 ml Methanol		5 g 17. —	25 g 70. —
	2,3,4-Trimethoxybenzaldehyde			
	(CH ₃ O) ₃ C ₆ H ₂ CHO C ₁₀ H ₁₂ O ₄ M _r 196.21 [2103-57-3]			
92128	purum >97%(HPLC); M.P. 38-41°; 1 g clearly soluble in 10 ml Methanol		10 g 14. —	50 g 60. —
92133	2,4,5-Trimethoxybenzaldehyde pract. ~95%(HPLC); M.P. 111-114° (Asaronaldehyde) (CH ₃ O) ₃ C ₆ H ₂ CHO C ₁₀ H ₁₂ O ₄ M _r 196.21 [4460-86-0]		10 g 13. —	50 g 55. —
92134	2,4,6-Trimethoxybenzaldehyde purum >98%(HPLC); M.P. 118-120° (CH ₃ O) ₃ C ₆ H ₂ CHO C ₁₀ H ₁₂ O ₄ M _r 196.21 [830-79-5]		10 g 20. —	50 g 85. —
	3,4,5-Trimethoxybenzaldehyde			
	(CH ₃ O) ₃ C ₆ H ₂ CHO C ₁₀ H ₁₂ O ₄ M _r 196.21 [86-81-7]			
92140	purum >98%(HPLC); M.P. 73-76°; 1 g clearly soluble in 10 ml Methanol		25 g 13. —	100 g 45. —
	1,2,3-Trimethoxybenzene (Pyrogallol trimethyl ether)			
	(CH ₃ O) ₃ C ₆ H ₃ C ₉ H ₁₂ O ₃ M _r 168.19 [634-36-6]			
92159	purum >98%(GC); M.P. 43-46°; 1 g clearly soluble in 10 ml Methanol		25 g 16. —	100 g 55. —
	1,2,4-Trimethoxybenzene (Hydroxyhydroquinone trimethyl ether)			
	(CH ₃ O) ₃ C ₆ H ₃ C ₉ H ₁₂ O ₃ M _r 168.19 [135-77-3]			
92160	purum >97%(GC); B.P. 247° (Lit.); d ₄ ²⁰ 1.130; n _D ²⁰ 1.533		1 lt ≈ 1.13 kg	25 ml 40. — 100 ml 145. —
	1,3,5-Trimethoxybenzene (Phloroglucinol trimethyl ether)			
	(CH ₃ O) ₃ C ₆ H ₃ C ₉ H ₁₂ O ₃ M _r 168.19 [621-23-8]			
92162	purum >98%(GC); M.P. 50-52°; 1 g clearly soluble in 10 ml Methanol		10 g 15. —	50 g 63. —

			sFr.	sFr.
92141	2,3,4-Trimethoxybenzoic acid purum >97%(T); M.P. 98-100° (CH ₃ O) ₃ C ₆ H ₂ COOH C ₁₀ H ₁₂ O ₅ M _r 212.12 [573-11-5]		5 g 11. —	25 g 46. —
	3,4,5-Trimethoxybenzoic acid (Gallic acid trimethyl ether; Trimethylgallic acid) (CH ₃ O) ₃ C ₆ H ₂ COOH C ₁₀ H ₁₂ O ₅ M _r 212.20 [118-41-2]			
92150	purum >99%(T); M.P. 168-170°; Ash <0.05%		100 g 16. —	500 g 67. —
92170	3,4,5-Trimethoxybenzoyl chloride purum >98%(Cl); M.P. 78-80° 8/12 (CH ₃ O) ₃ C ₆ H ₂ COCl C ₁₀ H ₁₁ ClO ₄ M _r 230.65 [4521-61-3]		100 g 20. —	500 g 85. —
	2,3,4-Trimethoxybenzyl alcohol (CH ₃ O) ₃ C ₆ H ₂ CH ₂ OH C ₁₀ H ₁₄ O ₄ M _r 198.22			
92171	pract. >95%(GC); B.P. _{0.25} 105°; d ₄ ²⁰ 1.180; n _D ²⁰ 1.535	1 lt ≈ 1.18 kg	10 ml 22. —	50 ml 90. —
	3,4,5-Trimethoxybenzyl alcohol (CH ₃ O) ₃ C ₆ H ₂ CH ₂ OH C ₁₀ H ₁₄ O ₄ M _r 198.22 [3840-31-1]			
92172	purum >97%(GC); B.P. _{0.4} 145-150° (Lit.); d ₄ ²⁰ 1.197; n _D ²⁰ 1.544	1 lt ≈ 1.20 kg	10 ml 18. —	50 ml 75. —
	3,4,5-Trimethoxybenzyl chloride (CH ₃ O) ₃ C ₆ H ₂ CH ₂ Cl C ₁₀ H ₁₃ ClO ₃ M _r 216.67 [3840-30-0]			
92176	purum >98%(Cl); M.P. 60-63°; 1 g clearly soluble in 10 ml Methanol		5 g 24. —	25 g 100. —
92198	2,3,4-Trimethoxycinnamic acid purum >99%(T); M.P. 170-172° (CH ₃ O) ₃ C ₆ H ₂ CH:CHCOOH C ₁₂ H ₁₄ O ₅ M _r 238.24 [33130-03-9]		5 g 12. —	25 g 50. —
92200	3,4,5-Trimethoxycinnamic acid purum >99%(T); M.P. 125-127° (CH ₃ O) ₃ C ₆ H ₂ CH:CHCOOH C ₁₂ H ₁₄ O ₅ M _r 238.24 [90-50-6]		10 g 16. —	50 g 67. —
	1,1,2-Trimethoxyethane see 64685 Methoxyacetaldehyde dimethyl acetal			
92182	3,4,5-Trimethoxyphenol purum >98%(NT); M.P. 147-149° (CH ₃ O) ₃ C ₆ H ₂ OH C ₉ H ₁₂ O ₄ M _r 184.19 [642-71-7]		5 g 20. —	25 g 85. —
92190	3,4,5-Trimethoxyphenylacetic acid purum >97%(T); M.P. 112-114°; Ash <0.5% (CH ₃ O) ₃ C ₆ H ₂ CH ₂ COOH C ₁₁ H ₁₄ O ₅ M _r 226.23 [951-82-6]		5 g 26. —	25 g 110. —
	3,4,5-Trimethoxyphenylacetonitrile 6.1/21 (CH ₃ O) ₃ C ₆ H ₂ CH ₂ CN C ₁₁ H ₁₃ NO ₃ M _r 207.23 [13338-63-1]			
92185	pract. >98%(T); M.P. 76-78°; 1 g clearly soluble in 10 ml Methanol		10 g 25. —	50 g 105. —
	3-(3,4,5-Trimethoxyphenyl)propionic acid (CH ₃ O) ₃ C ₆ H ₂ CH ₂ CH ₂ COOH C ₁₂ H ₁₆ O ₅ M _r 240.26 [25173-72-2]			
92194	purum >99%(T); M.P. 102-104°; 1 g clearly soluble in 10 ml Methanol		10 g 22. —	50 g 90. —
92196	3,4,5-Trimethoxytoluene pract. ~90%(GC); M.P. 28-32° (CH ₃ O) ₃ C ₆ H ₂ CH ₃ C ₁₀ H ₁₄ O ₃ M _r 182.22 [6443-69-2]		10 g 30. —	
	Trimethylacetaldehyde see 80869 Pivalaldehyde			
	Trimethylacetamide see 80902 Pivalamide			
	Trimethylacetic acid see 80880 Pivalic acid			
	Trimethylacetic anhydride see 80903 Pivalic anhydride			
	α,α,α-Trimethylacetone see 80570 2,2-Dimethyl-3-butanone			
	Trimethylacetonitrile see 80930 Pivalonitrile			
	2,4,6-Trimethylacetophenone (2-Acetylmesitylene) (CH ₃) ₃ C ₆ H ₂ COCH ₃ C ₁₁ H ₁₄ O M _r 162.23 [1667-01-2]			
92220	purum >98%(GC); B.P. _{0.1} 61-62°; d ₄ ²⁰ 0.975; n _D ²⁰ 1.517	1 lt ≈ 0.98 kg	10 ml 13. —	50 ml 55. —
	Trimethylacetyl chloride see 80910 Pivaloyl chloride			
	2-Trimethylacetyl-1,3-indandione see 80950 2-Pivaloyl-1,3-indandione			
	Trimethylallene see 68283 2-Methyl-2,3-pentadiene			
	Trimethylaluminum (Aluminumtrimethanide) Al(CH ₃) ₃ C ₃ H ₉ Al M _r 72.09 [75-24-1]			
92245	pract.	Cyl. with 0.25 lt, net ~150 g	320. —	(price of product 200. —)

					sFr.	sFr.
Trimethylamine						
2/3bt	(CH ₃) ₃ N	C ₃ H ₉ N	M _r 59.11	[75-50-3]		
purum anhydrous >98% + (CH ₃) ₂ NH+CH ₃ OH+H ₂ O					1 lt ≈ 0.63 kg	Ampoules of 100 ml 28. —
92250					Pressure tin with 250 ml, net ~155 g	250 ml 35. — (Reg. valve 83547)
92251	2/1bt				Cyl. with 2 lt, net ~1.1 kg	360. — (price of gas 180. —)
92252					Cyl. with 12 lt, net ~6.0 kg	520. — (price of gas 300. —)
92254					Cyl. with 27 lt, net ~15.0 kg	800. — (price of gas 520. —)
92256					1 lt ≈ 0.75 kg	250 ml 9. — 1 lt 30. —
92260	3/5; -20°	purum 33% in Ethanol; ~4.2 mol/lt			1 lt ≈ 0.84 kg	1 lt 12. — 2.5 lt 26. —
92262	3/5; -20°	purum 45-50% in water; ~6.7 mol/lt				
Trimethylamine-borane see 15591 Boranetrimethylamine complex						
92270	Trimethylamine hydrochloride		purum >98%(Cl); M.P. ~280° dec.		250 g 14. —	1 kg 50. —
(CH ₃) ₃ N.HCl C ₃ H ₉ N.HCl M _r 95.57 [593-81-7]						
92277	Trimethylamine-N-oxide Dihydrate		purum >99%(NT); M.P. 95-99°		10 g 10. —	50 g 37. —
(CH ₃) ₃ NO.2H ₂ O C ₃ H ₉ NO.2H ₂ O M _r 111.14 [1184-78-7]						
2,4,6-Trimethylaniline (Mesidine)						
6.1/21	(CH ₃) ₃ C ₆ H ₂ NH ₂	C ₉ H ₁₃ N	M _r 135.21	[88-05-1]		
92290				purum >98%(GC); M.P. -4--2°; B.P. 108-110°; d ₄ ²⁰ 0.962; n _D ²⁰ 1.551	1 lt ≈ 0.96 kg	50 ml 10. — 250 ml 40. —
92300	4,6,8-Trimethylazulene		purum >98%(UV); M.P. 78-80°		250 mg 21. —	1 g 75. —
C ₁₃ H ₁₄ M _r 170.26 [941-81-1]						
2,4,6-Trimethylbenzaldehyde see 63900 Mesitaldehyde						
1,2,3-Trimethylbenzene (Hemellitrol)						
3/3; 53°	(CH ₃) ₃ C ₆ H ₃	C ₉ H ₁₂	M _r 120.20	[526-73-8]		
51500				pract. ~95%(GC); B.P. 175-177°; d ₄ ²⁰ 0.894; n _D ²⁰ 1.513	1 lt ≈ 0.89 kg	250 ml 24. — 1 lt 90. —
1,2,4-Trimethylbenzene see 82540 Pseudocumene						
1,3,5-Trimethylbenzene see 63910 Mesitylene						
2,4,6-Trimethylbenzenesulfonyl chloride see 63932 Mesitylene sulfonyl chloride						
2,4,6-Trimethylbenzoic acid (2-Mesitylenecarboxylic acid)						
(CH ₃) ₃ C ₆ H ₂ COOH C ₁₀ H ₁₂ O ₂ M _r 164.21 [480-63-7]						
92310				purum >98%(T); M.P. 150-152°	10 g 30. —	50 g 125. —
7,8,10-Trimethylbenzo[g]pteridine-2,4-[3H,10H]-dione see 62680 Lumiflavine						
3,7,7-Trimethylbicyclo[4.1.0]hept-2-ene see 21984 2-Carene						
exo-(1R)-1,7,7-Trimethylbicyclo[2.2.1]heptan-2-amine hydrochloride see 58335						
R(—)-Isobornylamine hydrochloride						
(1S)-1,3,3-Trimethylbicyclo[2.2.1]heptan-2-ol see 46199 (+)-Fenchol						
endo-(1S)-1,7,7-Trimethylbicyclo[2.2.1]heptan-2-ol see 15600 (—)-Borneol						
endo-(1R)-1,7,7-Trimethylbicyclo[2.2.1]heptan-2-amine see 15630 (+)-Bornylamine						
(1R)- and (1S)-1,3,3-Trimethylbicyclo[2.2.1]heptan-2-one see 46200 and 46210						
(—)- and (+)-Fenchone						
(1S)-3,7,7-Trimethylbicyclo[4.1.0]hept-3-ene see 21985 (+)-3-Carene						
92330	Trimethyl borate		purum >99%(GC); B.P. 65°; d ₄ ²⁰ 0.937; n _D ²⁰ 1.358		1 lt ≈ 0.94 kg	250 ml 12. — 1 lt 40. —
3/1a; -11° B(OCH ₃) ₃ C ₃ H ₉ BO ₃ M _r 103.91 [121-43-7]						
Trimethylbromosilane (Bromotrimethylsilane; Trimethylsilyl bromide)						
8/23b; 25°	(CH ₃) ₃ SiBr	C ₃ H ₉ BrSi	M _r 153.10	[2857-97-8]		
92337				purum ~97%(GC); B.P. 77-80°; d ₄ ²⁰ 1.183; n _D ²⁰ 1.424; Powerful silylating agent: L. Stringer et al., Steroids 17, 377 (1971); 18, 381 (1971); S. J. Gaskell et al., Biomed. Mass. Spectrom. 2, 148 (1975); for the dealkylation of phosphinic acid dialkyl esters: C. E. McKenna et al., Tetrahedron Lett. 155 (1977); A. J. Rudinskas et al., J. Org. Chem. 42, 2771 (1977); for the preparation of bromides from alcohols: M. E. Jung, G. L. Hatfield, Tetrahedron Lett. 4483 (1978)	1 lt ≈ 1.17 kg	5 ml 10. — 25 ml 40. —

			sFr.	sFr.
	2,2,3-Trimethylbutane (Pentamethylethane; Triptane)			
	3/1a; 20° (CH ₃) ₂ CHC(CH ₃) ₃ C ₇ H ₁₆ M _r 100.21 [464-06-2]			
92340	purum >99%(GC); B.P. 78-81°; d ₄ ²⁰ 0.689; n _D ²⁰ 1.389		1 lt ≈ 0.69 kg	5 ml 32. — 25 ml 135. —
	2,3,3-Trimethyl-1-butene (Triptene)			
	3/1a; -22° (CH ₃) ₃ CC(CH ₃):CH ₂ C ₇ H ₁₄ M _r 98.19 [594-56-9]			
92350	purum >98%(GC); B.P. 74-79°; d ₄ ²⁰ 0.705; n _D ²⁰ 1.403		1 lt ≈ 0.71 kg	5 ml 16. — 25 ml 67. —
	Trimethylcarbinol see 19460 tert-Butyl alcohol			
	Trimethylchlorosilane TMCS (Chlorotrimethylsilane; Trimethylsilylchloride)			
	8/23a; 18° (CH ₃) ₃ SiCl C ₃ H ₉ ClSi M _r 108.64 [75-77-4]			
92360	puriss. >99%(GC); B.P. 56-57°; d ₄ ²⁰ 0.857; n _D ²⁰ 1.388		1 lt ≈ 0.86 kg	100 ml 10. — 500 ml 40. —
92362	purum >95%(GC); B.P. 54-57°; d ₄ ²⁰ 0.857; n _D ²⁰ 1.388		1 lt ≈ 0.86 kg	250 ml 13. — 1 lt 45. —
	2,5,9-Trimethyl-1,5,9-cyclododecatriene			
	CH: C(CH ₃)CH ₂ CH ₂ C(CH ₃):CHCH ₂ CH ₂ C(CH ₃):CHCH ₂ CH ₂ C ₁₅ H ₂₄ M _r 204.36			
	[21064-19-7]			
92367	puriss. >99%(GC); B.P. 280-282°; d ₄ ²⁰ 0.901; n _D ²⁰ 1.513; contains >91% of the stereoisomers of 2,5,9-Trimethyl- 1,5,9-cyclododecatriene		1 lt ≈ 0.90 kg	5 ml 26. — 25 ml 110. —
	1,1,3-Trimethylcyclohexane			
	3/1a; 18° CH ₂ CH(CH ₃)(CH ₂) ₃ C(CH ₃) ₂ C ₉ H ₁₈ M _r 126.24 [3074-66-3]			
92370	purum >99%(GC); B.P. 137-138° (Lit.); d ₄ ²⁰ 0.778; n _D ²⁰ 1.429		1 lt ≈ 0.78 kg	5 ml 34. —
	1,2,4-Trimethylcyclohexane mixture of isomers			
	3/1a; 19° CH ₃ CHCH ₂ CH ₂ CH(CH ₃)CH ₂ CHCH ₃ C ₉ H ₁₈ M _r 126.24 [2234-75-5]			
92376	purum >99%(GC); B.P. 141-143°; d ₄ ²⁰ 0.786; n _D ²⁰ 1.433		1 lt ≈ 0.79 kg	100 ml 15. —
	1,3,5-Trimethylcyclohexane mixture of isomers (Hexahydromesitylene)			
	3/1a; 19° CH ₃ CHCH ₂ CH(CH ₃)CH ₂ CH(CH ₃)CH ₂ C ₉ H ₁₈ M _r 126.24 [1839-63-0]			
92390	purum >97%(GC); B.P. 136-139°; d ₄ ²⁰ 0.774; n _D ²⁰ 1.428		1 lt ≈ 0.77 kg	25 ml 14. — 100 ml 50. —
	3,3,5-Trimethylcyclohexanone			
	3/4; 64° CH ₂ CH(CH ₃)CH ₂ COCH ₂ C(CH ₃) ₂ C ₉ H ₁₆ O M _r 140.23 [873-94-3]			
92405	purum >98%(GC); B.P. 189-191°; d ₄ ²⁰ 0.888; n _D ²⁰ 1.446		1 lt ≈ 0.89 kg	250 ml 10. — 1 lt 35. —
	3,3,5-Trimethyl-2-cyclohexen-1-one see 59190 Isophorone			
92420	2,N,N'-Trimethyl-1,3-diaminopropane purum >97%(GC)		1 lt ≈ 0.82 kg	10 ml 35. —
	8/35 (CH ₃ NHCH ₂) ₂ CHCH ₃ C ₆ H ₁₆ N ₂ M _r 116.21 [6105-72-2]			
	2,2,5-Trimethyl-1,3-dioxane-4,6-dione			
	see 67765 cycl-Isopropylidene methylmalonate			
	3,7,11-Trimethyl-1,6,10-dodecatrien-3-ol see 72180 cis-Nerolidol			
	3,7,11-Trimethyl-2,6,10-dodecatrien-1-ol see 46191 Farnesol			
	Trimethylene bromohydrin see 18119 3-Bromo-1-propanol			
	Trimethylene bromo chloride see 16720 1-Bromo-3-chloropropane			
	Trimethylene chlorohydrin see 26090 3-Chloro-1-propanol			
	Trimethylene diamine see 33250 1,3-Diaminopropane			
	Trimethylene dibromide see 34280 1,3-Dibromopropane			
	Trimethylene dichloride see 36260 1,3-Dichloropropane			
	Trimethylene diiodide see 38090 1,3-Diiodopropane			
	Trimethylene dimercaptan see 81800 1,3-Propanedithiol			
	Trimethylene glycol see 81780 1,3-Propanediol			
	Trimethylene imine (Azetidine)			
	3/3; 24° CH ₂ CH ₂ CH ₂ NH C ₃ H ₇ N M _r 57.10 [503-29-7]			
92457	purum ~97%(GC); B.P. 62-63°; d ₄ ²⁰ 0.844; n _D ²⁰ 1.425; under Argon		1 lt ≈ 0.84 kg	1 ml 35. — 5 ml 145. —

			sFr.	sFr.
Trimethylene oxide (Oxetane)				
92459	3/1a; -20° $\text{CH}_2\text{CH}_2\text{CH}_2\text{O}$ $\text{C}_3\text{H}_6\text{O}$ M_r 58.09 [503-30-3] purum >97%(GC); B.P. 47-49°; d_4^{20} 0.892; n_D^{20} 1.394	1 lt $\approx$ 0.89 kg	5 ml 34. —	25 ml 145. —
Trimethylene sulfide (Thietane)				
92458	3/1a; -20° $\text{CH}_2\text{CH}_2\text{CH}_2\text{S}$ $\text{C}_3\text{H}_6\text{S}$ M_r 74.14 [287-27-4] purum >99%(GC); B.P. 92-94°; d_4^{20} 1.020; n_D^{20} 1.509; under nitrogen	1 lt $\approx$ 1.02 kg	10 ml 30. —	50 ml 125. —
3,7,11-Trimethyl-10,11-epoxy-2-trans-6-trans-dodecadienic acid methyl ester see 59992 C_{16} -Juvenil Hormone				
92230	Trimethylethoxysilane pract. B.P. 75-76° (Ethoxytrimethylsilane) 3/1a; -1° $(\text{CH}_3)_3\text{SiOC}_2\text{H}_5$ $\text{C}_5\text{H}_{14}\text{OSi}$ M_r 118.25 [1825-62-3]	1 lt $\approx$ 0.76 kg	250 ml 24. —	1 lt 90. —
N,N,N'-Trimethylethylenediamine				
92240	8/35; 14° $(\text{CH}_3)_2\text{NCH}_2\text{CH}_2\text{NHCH}_3$ $\text{C}_5\text{H}_{14}\text{N}_2$ M_r 102.18 [142-25-6] purum >97%(GC); B.P. 116-118°; d_4^{20} 0.787; n_D^{20} 1.418; Water <1%	1 lt $\approx$ 0.79 kg	10 ml 20. —	50 ml 85. —
Trimethylgallic acid see 92150 3,4,5-Trimethoxybenzoic acid				
2,2,4-Trimethylhexane				
92470	3/1a; 13° $\text{CH}_3\text{CH}_2\text{CH}(\text{CH}_3)\text{CH}_2\text{C}(\text{CH}_3)_3$ C_9H_{20} M_r 128.26 [16747-26-5] purum >99%(GC); B.P. 125-127°; d_4^{20} 0.716; n_D^{20} 1.403	1 lt $\approx$ 0.72 kg	5 ml 32. —	
92490	2,3,5-Trimethylhexane purum >99%(GC) 3/1a; 13° $(\text{CH}_3)_2\text{CHCH}_2\text{CH}(\text{CH}_3)\text{CH}(\text{CH}_3)_2$ C_9H_{20} M_r 128.26 [1069-53-0]	1 lt $\approx$ 0.72 kg	5 ml 60. —	
92502	3,5,5-Trimethyl-1-hexanol purum $(\text{CH}_3)_3\text{CCH}_2\text{CH}(\text{CH}_3)\text{CH}_2\text{CH}_2\text{OH}$ $\text{C}_9\text{H}_{20}\text{O}$ M_r 144.26 [3452-97-9]	1 lt $\approx$ 0.82 kg	5 ml 34. —	
Trimethylhydroquinone (3,6-Dihydroxypseudocumene; 1,4-Dihydroxy-2,3,5-trimethylbenzene)				
92510	$(\text{CH}_3)_3\text{C}_6\text{H}(\text{OH})_2$ $\text{C}_9\text{H}_{12}\text{O}_2$ M_r 152.20 [700-13-0] purum M.P. 169-172°; 1 g clearly soluble in 10 ml Methanol		100 g 15. —	500 g 63. —
Trimethyliodosilane see 58118 Iodotrimethylsilane				
1,3,3-Trimethyl-2-methyleneindoline (Fischers Base)				
92550	$\text{C}_6\text{H}_4\text{C}(\text{CH}_3)_2\text{C}(\text{CH}_2)\text{NCH}_3$ $\text{C}_{12}\text{H}_{15}\text{N}$ M_r 173.26 [118-12-7] purum for Paper chromatography; >97%(GC); B.P. 245-247°; d_4^{20} 0.984; n_D^{20} 1.577; wine-red liquid; Lit.: Angew. Chem. 66, 555 (1954)	1 lt $\approx$ 0.98 kg	100 ml 15. —	500 ml 63. —
(1R,2S,7S,9S)-3,3,7-Trimethyl-8-methylenetricyclo[5.4.0.0^{2,9}]undecane see 62635 (+)-Longifolene				
(1R,2S,8R,11R)-3,3,11-Trimethyl-7-methylenetricyclo[6.3.0.0^{2,4}]undecane see 11067 (+)-Aromadendrene				
(-)-1,3,3-Trimethyl-2-norbornanone see 46200 (-)-Fenchone				
(+)-1,3,3-Trimethyl-2-norbornanone see 46210 (+)-Fenchone				
Trimethylolethane see 93340 1,1,1-Tris(hydroxymethyl)ethane				
Trimethyl orthoacetate (1,1,1-Trimethoxy-ethane)				
75582	3/1a; 15° $\text{CH}_3\text{C}(\text{OCH}_3)_3$ $\text{C}_5\text{H}_{12}\text{O}_3$ M_r 120.15 [1445-45-0] purum >97%(GC); B.P. 105-108°; d_4^{20} 0.956; n_D^{20} 1.389	1 lt $\approx$ 0.96 kg	25 ml 14. —	100 ml 50. —
Trimethyl orthobutyrate				
75571	3/3; 50° $\text{CH}_3\text{CH}_2\text{CH}_2\text{C}(\text{OCH}_3)_3$ $\text{C}_7\text{H}_{16}\text{O}_3$ M_r 148.20 [43083-12-1] purum >97%(GC); B.P. 140-144°; d_4^{20} 0.929; n_D^{20} 1.403	1 lt $\approx$ 0.93 kg	10 ml 20. —	50 ml 85. —
Trimethyl orthoformate				
75550	3/1a; 10° $\text{CH}(\text{OCH}_3)_3$ $\text{C}_4\text{H}_{10}\text{O}_3$ M_r 106.12 [149-73-5] purum >98%(GC); B.P. 99-102°; d_4^{20} 0.967; n_D^{20} 1.379	1 lt $\approx$ 0.97 kg	250 ml 9. —	1 lt 30. —
Trimethyl-orthovalerate (Orthovaleric acid trimethylester)				
75607	$\text{CH}_3\text{CH}_2\text{CH}_2\text{CH}_2\text{C}(\text{OCH}_3)_3$ $\text{C}_9\text{H}_{18}\text{O}_3$ M_r 162.23 [13820-09-2] purum >97%(GC); B.P. 166-169°; d_4^{20} 0.922; n_D^{20} 1.410	1 lt $\approx$ 0.92 kg	10 ml 18. —	50 ml 75. —

			sFr.*	sFr.
	2,4,4-Trimethyl-2-oxazoline see 37401 4,5-Dihydro-2,4,4-trimethyloxazole			
92605	Trimethyloxonium tetrafluoroborate purum M.P. $\sim 195-205^{\circ}$ dec.; store in refrigerator 6.1/21 $(\text{CH}_3)_3\text{O}(\text{BF}_4)$ $\text{C}_3\text{H}_9\text{BF}_4\text{O}$ M_r 147.91 [420-37-1]		10 g 35. —	50 g 145. —
	2,2,4-Trimethylpentane see 59030 Isooctane			
	2,3,4-Trimethylpentane			
	3/1a; 4° $(\text{CH}_3)_2\text{CHCH}(\text{CH}_3)\text{CH}(\text{CH}_3)_2$ C_8H_{18} M_r 114.23 [565-75-3]			
92613	pract. $\sim 95\%$ (GC) + $\sim 5\%$ 2,3,3-Trimethylpentane; B.P. $112-114^{\circ}$; d_4^{20} 0.718; n_D^{20} 1.405	1 lt $\approx$ 0.72 kg	25 ml 23. —	100 ml 85. —
92620	2,2,4-Trimethyl-1,3-pentanediol purum cryst. M.P. $48-51^{\circ}$ $(\text{CH}_3)_2\text{CHCH}(\text{OH})\text{C}(\text{CH}_3)_2\text{CH}_2\text{OH}$ $\text{C}_8\text{H}_{18}\text{O}_2$ M_r 146.23 [144-19-4]		250 g 20. —	1 kg 70. —
	2,2,4-Trimethyl-3-pentanol (tert-Butylisopropyl carbinol)			
	3/3; 42° $(\text{CH}_3)_2\text{CHCH}(\text{OH})\text{C}(\text{CH}_3)_3$ $\text{C}_8\text{H}_{18}\text{O}$ M_r 130.23 [5162-48-1]			
92640	purum $>98\%$ (GC); M.P. $-7--3^{\circ}$; B.P. $149-151^{\circ}$; d_4^{20} 0.829; n_D^{20} 1.428	1 lt $\approx$ 0.83 kg	5 ml 34. —	
	2,4,4-Trimethyl-1-pentene (α -Diisobutylene)			
	3/1a; -4° $(\text{CH}_3)_3\text{CCH}_2\text{C}(\text{CH}_3):\text{CH}_2$ C_8H_{16} M_r 112.22 [107-39-1]			
92670	puriss. Standard for GC; $>99.5\%$ (GC); B.P. $100-101^{\circ}$; d_4^{20} 0.72; n_D^{20} 1.409	1 lt $\approx$ 0.72 kg	5 ml 24. —	25 ml 100. —
92672	purum $>99\%$ (GC); B.P. $99-101^{\circ}$; d_4^{20} 0.715; n_D^{20} 1.409	1 lt $\approx$ 0.72 kg	50 ml 20. —	250 ml 85. —
	2,4,4-Trimethyl-2-pentene (β -Diisobutylene)			
	3/1a; 2° $(\text{CH}_3)_3\text{CCH}:\text{C}(\text{CH}_3)_2$ C_8H_{16} M_r 112.22 [107-40-4]			
92679	purum $>99\%$ (GC); B.P. $102-105^{\circ}$; d_4^{20} 0.723; n_D^{20} 1.415	1 lt $\approx$ 0.72 kg	5 ml 32. —	
92680	pract. $>95\%$ (GC) + 2,4,4-Trimethyl-1-pentene; B.P. $102-105^{\circ}$; d_4^{20} 0.721; n_D^{20} 1.416	1 lt $\approx$ 0.72 kg	100 ml 30. —	500 ml 125. —
92690	2,3,5-Trimethylphenol purum $>98\%$ (GC); M.P. $92-94^{\circ}$ (Isopseudocumenol) $(\text{CH}_3)_3\text{C}_6\text{H}_2\text{OH}$ $\text{C}_9\text{H}_{12}\text{O}$ M_r 136.20 [697-82-5]		100 g 18. —	500 g 75. —
	2,3,6-Trimethylphenol			
	$(\text{CH}_3)_3\text{C}_6\text{H}_2\text{OH}$ $\text{C}_9\text{H}_{12}\text{O}$ M_r 136.20 [2416-94-6]			
92693	purum $>97\%$ (GC); M.P. $59-62^{\circ}$; 1 g clearly soluble in 10 ml Methanol	25 g 7. —	100 g 15. —	500 g 63. —
	2,4,6-Trimethylphenol (Mesityl)			
	$(\text{CH}_3)_3\text{C}_6\text{H}_2\text{OH}$ $\text{C}_9\text{H}_{12}\text{O}$ M_r 136.20 [527-60-6]			
92710	purum $>98\%$ (GC); M.P. $70-72^{\circ}$; 1 g clearly soluble in 10 ml Methanol		50 g 10. —	250 g 40. —
	Trimethylphenylammonium bromide see 79250 Phenyltrimethylammonium bromide			
	Trimethylphenylammonium chloride see 79263 Phenyltrimethylammonium chloride			
	Trimethylphenylammonium tribromide see 79253 Phenyltrimethylammonium bromide dibromide			
	Trimethyl phosphate			
	$(\text{CH}_3\text{O})_3\text{PO}$ $\text{C}_3\text{H}_9\text{O}_4\text{P}$ M_r 140.08 [512-56-1]			
92720	purum $>97\%$ (GC); B.P. $192-194^{\circ}$; d_4^{20} 1.213; n_D^{20} 1.395	1 lt $\approx$ 1.21 kg	250 ml 12. —	1 lt 40. —
	Trimethyl phosphite			
	3/3; 28° $(\text{CH}_3\text{O})_3\text{P}$ $\text{C}_3\text{H}_9\text{O}_3\text{P}$ M_r 124.08 [121-45-9]			
92730	pract. $\sim 97\%$ (GC); B.P. $110-112^{\circ}$; d_4^{20} 1.052; n_D^{20} 1.408	1 lt $\approx$ 1.05 kg	250 ml 10. —	1 lt 35. —
	Trimethyl phosphonoacetate			
	3/4; 70° $(\text{CH}_3\text{O})_2\text{P}(\text{O})\text{CH}_2\text{COOCH}_3$ $\text{C}_5\text{H}_{11}\text{O}_5\text{P}$ M_r 182.12 [5927-18-4]			
79527	purum $>98\%$ (GC); B.P. $265-268^{\circ}$; d_4^{20} 1.263; n_D^{20} 1.436	1 lt $\approx$ 1.26 kg	10 ml 12. —	50 ml 50. —
	2,4,6-Trimethylpyridine see 27690 sym.-Collidine			
	1-Trimethylsiloxy-2-propene see 06051 Allyloxy trimethyl silane			
92745	N-Trimethylsilylacetamide purum $\sim 97\%$ (N) $(\text{CH}_3)_3\text{SiNHCOCH}_3$ $\text{C}_5\text{H}_{13}\text{NOSi}$ M_r 131.25 [13435-12-6]		10 g 10. —	50 g 42. —
	Trimethylsilylacetic acid			
	$(\text{CH}_3)_3\text{SiCH}_2\text{COOH}$ $\text{C}_5\text{H}_{12}\text{O}_2\text{Si}$ M_r 132.24 [2345-38-2]			
92757	purum $>99\%$ (T); M.P. $40-42^{\circ}$; For the synthesis of α -trimethylsilylcarboxylic acids, α,β -unsaturated acids and α -trimethylsilyl- γ -butyrolactones via the dianion: P. A. Grieco et al., J.C.S. Chem. Comm. 537 (1975); for the conversion of carbonyl compounds to α,β -unsaturated thiol esters: D. H. Lucast, J. Wemple, Tetrahedron Lett. 1103 (1977)		1 g 12. —	5 g 50. —

			sFr.	sFr.
	Trimethylsilyl azide (Azidotrimethylsilane)			
	6.1/81g	(CH ₃) ₃ SiN ₃ C ₃ H ₉ N ₃ Si M _r 115.21 [4648-54-8]		
92753		purum B.P. 92-95°; d ₄ ²⁰ 0.876; n _D ²⁰ 1.415; Review: E.W. Colvin, Chem. Soc. Rev. 7, 15 (1978)	1 lt ≈ 0.88 kg	10 ml 12. — 50 ml 50. —
	Trimethylsilyl bromide see 92337 Trimethylbromosilane			
	Trimethylsilyl bromoacetate			
		BrCH ₂ COOSi(CH ₃) ₃ C ₅ H ₁₁ BrO ₂ Si M _r 211.15 [18291-80-0]		
17055		purum >98%(GC); B.P. 57-58°; d ₄ ²⁰ 1.299; n _D ²⁰ 1.444	1 lt ≈ 1.30 kg	10 ml 12. — 50 ml 50. —
	Trimethylsilyl chloride see 92360 Trimethylchlorosilane			
	Trimethylsilyl chlorosulfonate			
	8/22; 42°	ClSO ₃ Si(CH ₃) ₃ C ₃ H ₉ ClO ₃ SSi M _r 188.71 [4353-77-9]		
26393		purum B.P. 62-64°; d ₄ ²⁰ 1.225; n _D ²⁰ 1.424; Versatile sulfonation reagent: M. Schmidt, H. Schmidbaur, Chem. Ber. 95, 47 (1962); N. Duffaut et al., Bull. Soc. Chim. Fr. 512 (1963); M. Grignon-Dubois et al., J. Organometr. Chem. 124, 135 (1977)	1 lt ≈ 1.23 kg	50 ml 24. —
	Trimethylsilyl cyanide (Cyanotrimethylsilane)			
	6.1/2b	(CH ₃) ₃ SiCN C ₄ H ₉ NSi M _r 99.21 [7677-24-9]		
92755		pract. B.P. 115-118°; d ₄ ²⁰ 0.792; n _D ²⁰ 1.391; store in refrigerator; Review: E.W. Colvin, Chem. Soc. Rev. 7, 15 (1978)	1 lt ≈ 0.79 kg	5 ml 29. — 25 ml 120. —
	N-Trimethylsilyldiethylamine see 32575 N,N-Diethyltrimethylsilylamine			
	N-Trimethylsilyldimethylamine see 41720 N,N-Dimethyltrimethylsilylamine			
	Trimethylsilyl P,P-diethylphosphonoacetate (Phosphonoacetic acid P,P-diethyltrimethylsilyl ester)			
		(C ₂ H ₅ O) ₂ P(O)CH ₂ CO ₂ Si(CH ₃) ₃ C ₉ H ₂₁ O ₅ PSi M _r 268.32 [66130-90-3]		
79520		purum B.P. 93°; d ₄ ²⁰ 1.055; n _D ²⁰ 1.429; A Horner-Wittig-reagent for the preparation of α,β-unsaturated acids: L. Lombardo, R.J.K. Taylor, Synthesis 131 (1978)	1 lt ≈ 1.06 kg	5 ml 42. — 25 ml 175. —
	Trimethylsilyl P,P-dimethylphosphonoacetate (Phosphonoacetic acid P,P-dimethyltrimethylsilyl ester)			
		(CH ₃ O) ₂ P(O)CH ₂ COOSi(CH ₃) ₃ C ₇ H ₁₇ O ₅ PSi M _r 240.27		
79523		purum B.P. 90-93°; d ₄ ²⁰ 1.101; n _D ²⁰ 1.431; A Horner-Wittig-reagent for the synthesis of α,β-unsaturated acids from carbonyl compounds. This method gives high stereoselectivity: L. Lombardo, R.J.K. Taylor, Synthesis 131 (1978)	1 lt ≈ 1.10 kg	10 ml 25. — 50 ml 105. —
	2-(Trimethylsilyl)ethanol (2-Hydroxyethyltrimethylsilane)			
		(CH ₃) ₃ SiCH ₂ CH ₂ OH C ₅ H ₁₄ OSi M _r 118.25 [2916-68-9]		
92747		purum >97%(GC); B.P. 83-84°; d ₄ ²⁰ 0.829; n _D ²⁰ 1.423; Component for a new type of carboxyl and amino protection: P. Sieber, Helv. Chim. Acta 60, 2711 (1977); H. Gerlach, ibid. 60, 3039 (1977); L.A. Carpino, J.H. Tsav, J.C.S. Chem. Comm. 358 (1978)	1 lt ≈ 0.83 kg	5 ml 34. — 25 ml 145. —
	1-Trimethylsilylimidazole, TMSI			
	3/3; 54°	(CH ₃) ₃ SiNCH:NCH:CH C ₆ H ₁₂ N ₂ Si M _r 140.26 [18156-74-6]		
92751		purum B.P. 90-92°; d ₄ ²⁰ 0.957; n _D ²⁰ 1.476; store in refrigerator	1 lt ≈ 0.96 kg	10 ml 13. — 50 ml 55. —
	Trimethylsilyl iodide see 58118 Iodotrimethylsilane			
	Trimethylsilyl isothiocyanate (Isothiocyanatotrimethylsilane)			
	6.1/61f; 29°	(CH ₃) ₃ SiN:CS C ₄ H ₉ NSSi M _r 131.27 [2290-65-5]		
92752		purum d ₄ ²⁰ 0.932; n _D ²⁰ 1.482; A versatile heterocumulene: R. Neidlein, H. G. Heye, Synthesis 51 (1975)	1 lt ≈ 0.93 kg	5 ml 29. —
	Trimethylsilyl methanesulfonate			
	3/3; 30°	CH ₃ SO ₂ OSi(CH ₃) ₃ C ₄ H ₁₂ O ₃ SSi M _r 168.29 [10090-05-8]		
64296		purum B.P. 88-90°; d ₄ ²⁰ 1.09; n _D ²⁰ 1.422	1 lt ≈ 1.09 kg	10 ml 14. — 50 ml 60. —
	N-Trimethylsilyl-N-methylacetamide see 69480 N-Methyl-N-trimethylsilylacetamide			
	N-Trimethylsilyl-N-methyltrifluoroacetamide see 69482 N-Methyl-N-trimethylsilyl-trifluoroacetamide			
	Trimethylsilyl methylphenyl selenide see 79137 Phenylselenomethyl trimethylsilane			
	Trimethylsilylmethyl sulfide see 92758 (Methylthio)trimethylsilane			

				sFr.	sFr.
	3-(Trimethylsilyl)-1-propanesulfonic acid Sodium salt, DSS (Sodium 2,2-dimethyl-2-silapentane-5-sulfonate) (CH ₃) ₃ SiCH ₂ CH ₂ CH ₂ SO ₃ Na C ₆ H ₁₅ NaO ₃ SSi M _r 218.32 [2039-96-5]				
92754	purum >99%(T); M.P. ~200° dec.; hygroscopic			5 g	34. —
87247	3-(Trimethylsilyl)propionic acid-d₄, Sodium salt puriss. Standard for NMR (CH ₃) ₃ SiCD ₂ CD ₂ COONa C ₆ H ₉ D ₄ NaO ₂ Si M _r 172.27 [24493-21-8]			1 g	60. —
	S-Trimethylsilyl thiophenol see 79222 Phenylthiotrimethylsilane				
	Trimethylsilyl-trifluoroacetate (Trifluoroacetic acid trimethylsilylester) CF ₃ COOSi(CH ₃) ₃ C ₅ H ₉ F ₃ O ₂ Si M _r 186.21 [400-53-3]				
91733	purum >97%(T); B.P. 88-90°; d ₄ ²⁰ 1.078; n _D ²⁰ 1.334			1 lt ≈ 1.08 kg	25 ml 33. —
	Trimethylsilyl trifluoromethanesulfonate 8/11a CF ₃ SO ₂ OSi(CH ₃) ₃ C ₄ H ₉ F ₃ O ₃ SSi M _r 222.26 [27607-77-8]				
91741	purum >99%(T); B.P. 123-40°; d ₄ ²⁰ 1.225; n _D ²⁰ 1.360; very hygroscopic; Efficient silylating agent: H. Emde, G. Simchen, Synthesis 636, 867 (1977); for the conversion of oxiranes to allylic alcohols: S. Murata et al., J. Am. Chem. Soc. 101, 2738 (1979)			1 lt ≈ 1.23 kg	10 ml 30. — 50 ml 125. —
	Trimethylsilyl-N-trimethylsilylcarbamate see 15236 N,O-Bis(trimethylsilyl)carbamate				
	α-Trimethylsilyl vinylbromide see 18695 1-Bromovinyltrimethylsilane				
	Trimethylsulfonium iodide (CH ₃) ₃ S(I) C ₃ H ₉ IS M _r 204.07 [2181-42-2]				
92762	purum >98%(I); M.P. 215-220°; Starting material for the generation of Dimethylsulfoniummethylide (Methylenetransfer-Reagent); A. Merz, G. Märkl, Angew. Chem. 75, 867 (1973)			25 g	18. — 100 g 65. —
	Trimethylsulfoxonium chloride (CH ₃) ₃ S(Cl)O C ₃ H ₉ ClOS M _r 128.62 [5034-06-0]				
92761	purum ~98%(Cl); M.P. 222-224° dec.; Precursor of dimethylsulfoxonium methylide: A. Brändström, B. Lamm, Acta Chem. 283, 590 (1974)			5 g	40. —
	Trimethylsulfoxonium iodide (CH ₃) ₃ SO(I) C ₃ H ₉ IOS M _r 220.07 [1774-47-6]				
92763	purum >98%(I); M.P. 200-210° dec.; 1 g clearly soluble in 10 ml water			50 g	16. — 250 g 67. —
92770	Trimethyltin chloride purum >98%(Cl); M.P. 38-40°; store in refrigerator 6.1/81f (CH ₃) ₃ SnCl C ₃ H ₉ ClSn M _r 199.25 [1066-45-1]			5 g	18. — 25 g 75. —
	1,3,7-Trimethyluric acid (2,6,8-Trihydroxy-1,3,7-trimethylpurine) C ₈ H ₁₀ N ₄ O ₃ M _r 210.19 [5415-44-1]				
92461	purum >98%(UV); M.P. >300°			250 mg	29. — 1 g 105. —
92462	1,3,9-Trimethyluric acid purum (2,6,8-Trihydroxy-1,3,9-trimethylpurine) C ₈ H ₁₀ N ₄ O ₃ M _r 210.19 [7464-93-9]			250 mg	29. — 1 g 105. —
92464	3,7,9-Trimethyluric acid purum (2,6,8-Trihydroxy-3,7,9-trimethylpurine) C ₈ H ₁₀ N ₄ O ₃ M _r 210.19 [55441-72-0]			250 mg	29. — 1 g 105. —
	Trimethylvinylsilane see 95100 Vinyltrimethylsilane				
	1,3,9-Trimethylxanthine (2,6-Dihydroxy-1,3,9-trimethylpurine; Isocaffeine) C ₈ H ₁₀ N ₄ O ₂ M _r 194.20 [519-32-4]				
92765	purum ~98%(N); M.P. 288-290° dec.			100 mg	20. —
	Trimyristin (Glycerol trimyristate) [CH ₃ (CH ₂) ₁₂ COOCH ₂] ₂ CHOCO(CH ₂) ₁₂ CH ₃ C ₄₅ H ₈₆ O ₆ M _r 723.18 [555-45-3]				
92779	puriss. >99%(GC); M.P. 58-59°			5 g	32. — 25 g 135. —
92780	purum recryst. ~97%(GC); M.P. 53-56°			50 g	24. —
	2,4,7-Trinitro-9-fluorenone C ₁₆ H ₂ (NO ₂) ₃ CO C ₁₃ H ₅ N ₃ O ₇ M _r 315.20 [129-79-3]				
92810	purum >98%(HPLC); M.P. 173-175°; 1 g clearly soluble in 10 ml Dioxane			5 g	18. — 25 g 75. —
	2,4,6-Trinitrophenol see 80450 Picric acid				
	Trinonanoin see 92909 Tripelargonin				
	Trioctanoin see 91039 Tricaprylin				

				sFr.	sFr.
92830	Trioctylamine pract. ~95%(GC); B.P. _{0.} 164-168° (Lit.); d_4^{20} 0.811; n_D^{20} 1.449 [CH ₃ (CH ₂) ₇] ₃ N C ₂₄ H ₅₁ N M _r 353.68 [1116-76-3]	1 lt ≈ 0.81 kg	100 ml 18. —	500 ml 75. —	
	Trioctylmethylammonium chloride see 91042 "Tricaprylmethylammoniumchloride"				
	Trioctylmethylammonium chloride see 69485 Methyltrioctylammonium chloride				
92850	Trioctylphosphine oxide , TOPO pract. ~95%(GC); M.P. 52-55° 8/23b [CH ₃ (CH ₂) ₇] ₃ PO C ₂₄ H ₅₁ OP M _r 386.65 [78-50-2]		25 g 20. —	100 g 70. —	
92855	Trioenanthin puriss. >99%(GC); d_4^{20} 0.966; n_D^{20} 1.444 (Glycerol troenanthate) C ₂₄ H ₄₄ O ₆ M _r 428.62 [620-67-7]	1 lt ≈ 0.97 kg	5 ml 32. —	25 ml 135. —	
	Triolein (Glycerol trioleate) (C ₁₇ H ₃₃ COOCH ₂) ₂ CHOCOC ₁₇ H ₃₃ C ₅₇ H ₁₀₄ O ₆ M _r 885.46 [122-32-7]				
92859	puriss. ~99%(GC); B.P. ₁₈ 235-240° (Lit.); d_4^{20} 0.913; n_D^{20} 1.469	1 lt ≈ 0.91 kg	5 ml 63. —		
92862	techn. ~65-75%(GC); d_4^{20} 0.918; n_D^{20} 1.470	1 lt ≈ 0.92 kg	500 ml 18. —		
	1,3,5-Trioxane (sym.) (meta-Formaldehyde; Trioximethylene) OCH ₂ OCH ₂ OCH ₂ C ₃ H ₆ O ₃ M _r 90.08 [110-88-3]				
92890	purum M.P. 60-62°; B.P. 112-115°		500 g 15. —	2.5 kg 63. —	
	3,7,12-Trioxo-5β-cholanic acid and Sodium salt see 30830 Dehydrocholic acid and 30850 Dehydrocholic acid Sodium salt				
	Trioxohydrindene Monohydrate see 72490 Ninhydrin				
	"Trioxymethylene" see 92890 1,3,5-Trioxane				
	Tripalmitin (Glycerol tripalmitate) [CH ₃ (CH ₂) ₁₄ COOCH ₂] ₂ CHOCO(CH ₂) ₁₄ CH ₃ C ₅₁ H ₉₈ O ₆ M _r 807.35 [555-44-2]				
92902	puriss. >99%(GC); M.P. 65-66°		5 g 32. —	25 g 135. —	
92903	pract. ~95%(GC); M.P. 58-64°		250 g 12. —	1 kg 50. —	
	Tripelargonin (Glycerol tripelargonate; Trionanoin) [CH ₃ (CH ₂) ₇ COOH] ₂ CHOCO(CH ₂) ₇ CH ₃ C ₃₀ H ₅₆ O ₆ M _r 512.78 [126-53-4]				
92909	puriss. >99%(GC); M.P. 8-9°; d_4^{20} 0.944; n_D^{20} 1.448	1 lt ≈ 0.94 kg	5 ml 32. —	25 ml 135. —	
92920	Tripentylamine purum >97%(GC); B.P. _{0.2} 81-83°; d_4^{20} 0.782; n_D^{20} 1.437 3/4; 88° [CH ₃ (CH ₂) ₄] ₃ N C ₁₅ H ₃₃ N M _r 227.44 [621-77-2]	1 lt ≈ 0.78 kg	25 ml 20. —	100 ml 75. —	
92930	Triphenylamine purum M.P. 126-128°; 1 g clearly soluble in 10 ml Dioxane (C ₆ H ₅) ₃ N C ₁₈ H ₁₅ N M _r 245.33 [603-34-9]		10 g 18. —	50 g 75. —	
	Triphenylantimony (Antimonytriphenyl) 6.1/75 (C ₆ H ₅) ₃ Sb C ₁₈ H ₁₅ Sb M _r 353.07 [603-36-1]				
92940	purum >98%(GC); M.P. 54-55°; 1 g clearly soluble in 10 ml Dioxane		100 g 22. —		
92970	Triphenylarsine purum >98%(As); M.P. 58-61° (Arsinetriphenyl) 6.1/81i (C ₆ H ₅) ₃ As C ₁₈ H ₁₅ As M _r 306.24 [603-32-7]		25 g 29. —	100 g 105. —	
92980	Triphenylarsine oxide purum M.P. 191-193° 6.1/81i (C ₆ H ₅) ₃ AsO C ₁₈ H ₁₅ AsO M _r 322.24 [1153-05-5]		5 g 15. —	25 g 63. —	
	Triphenylbromomethane see 18560 Bromotriphenylmethane				
	Triphenyl carbinol see 93060 Triphenylmethanol				
	Triphenylchloromethane (Chlorotriphenylmethane; Trityl chloride) (C ₆ H ₅) ₃ CCl C ₁₉ H ₁₅ Cl M _r 278.78 [96-83-5]				
93000	purum >98%(Cl); M.P. 109-111°; Ash (as SO ₄) <0.2%; Free acid <0.3%	100 g 14. —	500 g 60. —	5 kg 440. —	
	Triphenylchlorosilane (Chlorotriphenylsilane) 8/12 (C ₆ H ₅) ₃ SiCl C ₁₈ H ₁₅ ClSi M _r 294.86 [76-86-8]				
93008	purum >98%(Cl); M.P. 91-93°; 1 g clearly soluble in 10 ml Acetone		10 g 20. —	50 g 85. —	
	Triphenylene (9,10-Benzophenanthrene) (C ₆ H ₄) ₃ C ₁₈ H ₁₂ M _r 228.30 [217-59-4]				
93020	purum >98%(HPLC); M.P. 195-198°; Inhalation and contact with skin should be avoided		250 mg 7. —	1 g 20. —	

				sFr.	sFr.
Triphenylethylene					
	$C_6H_5CH:C(C_6H_5)_2$ $C_{20}H_{16}$ M_r 256.35 [58-72-0]				
92925	purum >99%(GC); M.P. 70-72°; 1 g clearly soluble in 10 ml Diethylether			10 g 22. —	50 g 90. —
2,4,5-Triphenylimidazole see 62640 Lophine					
Triphenylmethane					
	$(C_6H_5)_3CH$ $C_{19}H_{16}$ M_r 244.34 [519-73-3]				
93050	purum >97%(HPLC); M.P. 92-94°; 1 g clearly soluble in 10 ml Dioxane			50 g 20. —	250 g 85. — 1 kg 255. —
Triphenylmethanol (Triphenylcarbinol)					
	$(C_6H_5)_3COH$ $C_{19}H_{16}O$ M_r 260.34 [76-84-6]				
93060	purum >98%(HPLC); M.P. 162-163°; 1 g clearly soluble in 10 ml Dioxane			25 g 12. —	100 g 40. —
Triphenylmethyl hexachloroantimonate see 93475 Tritylhexachloroantimonate					
Triphenylmethyl hexafluorophosphate see 93456 Tritylhexafluorophosphate					
O-Triphenylmethyl hydroxylamine see 93462 O-Trityl-hydroxylamine					
Triphenylmethyl tetrafluoroborate see 93457 Trityltetrafluoroborate					
93080	Triphenyl phosphate purum phenol free; >98%(GC); M.P. 48-50°; B.P. ₁₁ 245° (Lit.) $(C_6H_5O)_3PO$ $C_{18}H_{15}O_4P$ M_r 326.29 [115-86-6]			500 g 10. —	1 kg 18. —
Triphenylphosphine (Phosphorustriphenyl)					
	$(C_6H_5)_3P$ $C_{18}H_{15}P$ M_r 262.30 [603-35-0]				
93090	puriss. >99%(GC); M.P. 79-81°			25 g 10. —	100 g 35. —
93092	purum >98%(GC); M.P. 78-80°			250 g 17. —	1 kg 60. —
93100	Triphenylphosphine oxide pract. M.P. 156-158°; 1 g clearly soluble in 10 ml Acetone 6.1/81a $(C_6H_5)_3PO$ $C_{18}H_{15}OP$ M_r 278.29 [791-28-6]			25 g 13. —	100 g 45. —
Triphenylphosphine selenide					
	6.1/52 $(C_6H_5)_3PSe$ $C_{18}H_{15}PSe$ M_r 341.26 [3878-44-2]				
93107	purum M.P. 186-188°; stereospecific desoxidation of epoxides in olefines: D. L. J. Clive, C. V. Denyer, Chem. Commun. 253 (1973)			10 g 20. —	50 g 50. —
93110	Triphenylphosphine sulfide pract. ~96%; M.P. 160-165° 6.1/81a $(C_6H_5)_3PS$ $C_{18}H_{15}PS$ M_r 294.36 [3878-45-3]			25 g 13. —	100 g 40. —
93120	Triphenyl phosphite pract. >97%(GC); M.P. 20-22° 6.1/81a $(C_6H_5O)_3P$ $C_{18}H_{15}O_3P$ M_r 310.29 [101-02-0]			1 lt ≈ 1.18 kg 250 ml 7. —	1 lt 20. —
Triphenylphosphite methiodide see 69490 Methyltriphenoxyphosphonium iodide					
2-(Triphenylphosphonio)ethyl chloroformate chloride, PEOC-Cl [Chloroformic acid 2-(triphenylphosphonio)ethyl ester chloride; "Kunz"-Reagent] $(C_6H_5)_3P(Cl)CH_2CH_2OCOCI$ $C_{21}H_{19}Cl_2O_2P$ M_r 405.26 [61083-59-8]					
23260	purum >98%(Cl); M.P. 132-135°; Reagent for the introduction of the PEOC-amino protection group, useful for peptide synthesis in water: H. Kunz, Angew. Chem. 90, 63 (1978)			10 g 25. —	50 g 105. —
1-(Triphenylphosphoranylidene)-2-propanone see 01340 Acetylmethylene triphenylphosphorane					
93130	Triphenylsilane purum >99%(GC); M.P. 43-45° $(C_6H_5)_3SiH$ $C_{18}H_{16}Si$ M_r 260.42 [789-25-3]			10 g 16. —	50 g 67. —
Triphenylsilanol see 56556 Hydroxytriphenylsilane					
93135	Triphenylsulfonium chloride pract. pH 6.0-8.8; 50% in water $(C_6H_5)_3S(Cl)$ $C_{18}H_{15}ClS$ M_r 298.84 [4270-70-6]			1 lt ≈ 1.15 kg 250 ml 24. —	1 lt 90. —
2,3,5-Triphenyltetrazolium chloride (TTC)					
	$N(C_6H_5)N(Cl)(C_6H_5):NC(C_6H_5):N$ $C_{19}H_{15}ClN_4$ M_r 334.81 [298-96-4]				
93140	p.a. M.P. 235-245° dec.; Indicator for germination and reducing substances			10 g 12. —	50 g 50. —
93145	1,3,5-Triphenyl-tetrazolium formazane p.a. M.P. ~135-140° dec. (TTC-formazane) $C_6H_5NHN:C(C_6H_5)N:NC_6H_5$ $C_{19}H_{16}N_4$ M_r 300.37 [531-52-2]			10 g 12. —	50 g 50. —
93191	Triphenyltin chloride pract. >95%(Cl); M.P. 103-106°; store in refrigerator 6.1/81f $(C_6H_5)_3SnCl$ $C_{18}H_{15}ClSn$ M_r 385.46 [639-58-7]			100 g 22. —	500 g 90. —
α,α,α-Triphenyl-p-toluidine see 09252 4-Aminophenyltriphenylmethane					

			sFr.	sFr.
	Triphenylvinylphosphonium bromide (Vinyltriphenylphosphonium bromide)			
93155	6.1/23	$\text{CH}_2\text{:CHP}(\text{Br})(\text{C}_6\text{H}_5)_3$ $\text{C}_{20}\text{H}_{18}\text{BrP}$ M_r 369.25 [5044-52-0] purum $\sim 97\%$ (Br); M.P. 183-185°	5 g 20. —	25 g 85. —
	Triphosphopyridinenucleotide Disodium salt , TPN- Na_2 (Coenzyme II; β -Nicotinamide-adeninenucleotide-phosphate; β -NADP- Na_2) $\text{C}_{21}\text{H}_{27}\text{N}_7\text{Na}_2\text{O}_{17}\text{P}_3$ M_r 765.40 [53-59-8] purum ~ 90 - 95% (UV); $\text{H}_2\text{O} \sim 5\%$; λ_{max} 259 nm, $\log \epsilon$ 4.20; store in refrigerator			
93210			25 mg 12. —	100 mg 30. — 500 mg 125. —
	Triphosphopyridinenucleotide reduced Tetrasodium salt , $\text{TPNH}_2\text{-Na}_4$ (Coenzyme II red.; Dihydro- β -nicotinamide adenine dinucleotide phosphate Tetrasodium salt; β -Nicotinamide-adenine-dinucleotide-phosphate red.; β -NADPH $_2$ - Na_4) $\text{C}_{21}\text{H}_{26}\text{N}_7\text{Na}_4\text{O}_{17}\text{P}_3 \cdot 2\text{H}_2\text{O}$ M_r 869.39 [53-57-6] purum $\sim 90\%$ (UV); $\lambda_{\text{max} 1}$ 259 nm, $\log \epsilon$ 4.12; $\lambda_{\text{max} 2}$ 340 nm, $\log \epsilon$ 3.74; 1 g clearly soluble in 10 ml water; store in refrigerator			
93220			25 mg 23. —	100 mg 85. —
	Tripopylamine 8/35; 41° $(\text{CH}_3\text{CH}_2\text{CH}_2)_3\text{N}$ $\text{C}_9\text{H}_{21}\text{N}$ M_r 143.27 [102-69-2] purum $>98\%$ (GC); B.P. $_{11}$ 40-42°; d_4^{20} 0.756; n_D^{20} 1.417			
93240			1 lt $\approx$ 0.76 kg	100 ml 8. — 500 ml 26. —
	"Tripropyltin oxide" see 15260 Bis(tripropyltin)oxide			
	Triptane see 92340 2,2,3-Trimethylbutane			
	Triptene see 92350 2,3,3-Trimethyl-1-butene			
	α, α, α'-Tripyridyl see 86490 2,2',6',2''-Terpyridine			
	2,4,6-Tri(2-pyridyl)-s-triazine $\text{C}_{18}\text{H}_{12}\text{N}_6$ M_r 312.34 [3682-35-7] puriss. p.a. $>99\%$ (N); M.P. 248-250°; 1 g clearly soluble in 20 ml Methanol; For the colorimetric determination of Fe; Anal. Chem. 31, 1862 (1959)			
93285			1 g 9. —	5 g 34. —
	Triquinol-8-yl-phosphate [Phosphoric acid tris(8-quinolyl ester)] $\text{C}_{27}\text{H}_{18}\text{N}_3\text{O}_4\text{P}$ M_r 479.44 [52429-99-9] purum $>98\%$ (N); M.P. 195-197°; Specific phosphorylating agent. Blocking of the 5-OH groups in nucleosides; H. Takaku, Y. Shimada, Tetrahedron Lett. 1279 (1974)			
91055			5 g 20. —	
91060		Triquinoyl Octahydrate purum M.P. 95-100° dec. (Cyclohexanehexone) $\text{C}_6\text{O}(\text{CO})_4\text{CO} \cdot 8\text{H}_2\text{O}$ $\text{C}_6\text{O}_6 \cdot 8\text{H}_2\text{O}$ M_r 312.19 [527-31-1]	5 g 40. —	
	Tris(2-aminoethyl)amine (2,2',2''-Nitrilotriethylamine) 8/35 $(\text{NH}_2\text{CH}_2\text{CH}_2)_3\text{N}$ $\text{C}_6\text{H}_{18}\text{N}_4$ M_r 146.24 [4097-89-6] pract. $>97\%$ (NT); B.P. $_{0.05}$ 102°; d_4^{20} 0.978; n_D^{20} 1.497			
93303			1 lt $\approx$ 0.98 kg	5 ml 120. —
	"Tris-Buffer" see 93349 Tris(hydroxymethyl)aminomethane			
	Tris(carboxymethyl) amine see 72560 Nitrilotriacetic acid			
	1,2,3-Tris(2-cyanoethoxy)propane 6.1/21 $(\text{NCCH}_2\text{CH}_2\text{OCH}_2)_2\text{CHOCH}_2\text{CH}_2\text{CN}$ $\text{C}_{12}\text{H}_{17}\text{N}_3\text{O}_3$ M_r 251.29 [2465-93-2] purum $\sim 97\%$ (T); d_4^{20} 1.113; n_D^{20} 1.462; stationary Phase for GC			
93320			1 lt $\approx$ 1.11 kg	10 ml 14. — 50 ml 50. —
	Tris(diethylamino)phosphine (Hexaethyl phosphorous triamide) 6.1/81a $\text{P}[\text{N}(\text{C}_2\text{H}_5)_2]_3$ $\text{C}_{12}\text{H}_{30}\text{N}_3\text{P}$ M_r 247.37 [2283-11-6] pract. $\sim 97\%$ (NT); B.P. $_{0.2}$ 85-89°; d_4^{20} 0.899; n_D^{20} 1.475			
93329			1 lt $\approx$ 0.90 kg	5 ml 17. — 25 ml 70. —
	2,4,6-Tris(dimethylaminomethyl)phenol $\text{HOC}_6\text{H}_2[\text{CH}_2\text{N}(\text{CH}_3)_2]_3$ $\text{C}_{15}\text{H}_{27}\text{N}_3\text{O}$ M_r 265.40 [90-72-2] pract. $>97\%$ (NT); B.P. $_{11}$ 130-135° (Lit.); d_4^{20} 0.974; n_D^{20} 1.517			
93331			1 lt $\approx$ 0.97 kg	250 ml 14. — 1 lt 50. —
	Tris(dimethylamino)phosphine oxide see 52730 Hexamethylphosphoric acid triamide			
	Tris(dimethylamino)phosphine (Hexamethylphosphorous acid triamide) 6.1/81a $\text{P}[\text{N}(\text{CH}_3)_2]_3$ $\text{C}_6\text{H}_{18}\text{N}_3\text{P}$ M_r 163.20 [1608-26-0] pract. $\sim 95\%$ (NT); B.P. $_{12}$ 48-50°; d_4^{20} 0.896; n_D^{20} 1.466; very hygroscopic; Inhalation and contact with skin should be avoided			
93338			1 lt $\approx$ 0.90 kg	5 ml 10. — 25 ml 40. —
93300		Tris(2-ethylhexyl)amine techn. Mixture of isomers; d_4^{20} 0.817; n_D^{20} 1.451 $[\text{CH}_3(\text{CH}_2)_3\text{CH}(\text{C}_2\text{H}_5)\text{CH}_2]_3\text{N}$ $\text{C}_{24}\text{H}_{51}\text{N}$ M_r 353.68 [1860-26-0]	1 lt $\approx$ 0.82 kg	250 ml 22. — 1 lt 80. —

sFr.

sFr

Tris(2-hydroxyethyl)amine see 90280 Triethanolamine

Tris(hydroxymethyl)aminomethane (2-Amino-2-hydroxymethyl-1,3-propanediol; "Tris-Buffer")



93349 puriss. biochim. 25 g 7. — 100 g 14. — 500 g 60. —

Fluka-Guarantee:

Assay	>99.8 %	Copper (Cu)	<0.00001 %
pH (10% solution in water, 20°C)	10.4-10.9	Lead (Pb)	<0.00001 %
Residue on ignition	<0.05 %	Iron (Fe)	<0.00005 %
Chloride (Cl)	<0.0005%	Zinc (Zn)	<0.000005%
Sulfate (SO_4)	<0.0005%	Cadmium (Cd)	<0.000005%

Absorption of a 10% solution (1 cm)	230 nm	260 nm	280 nm	430 nm
	<0.4	<0.04	<0.04	<0.006



93350 puriss. p.a. Titrimetric standard 100 g 10. — 500 g 40. — 1 kg 75. —

Fluka-Guarantee:

Assay	>99.7 %	Copper (Cu)	<0.00001%
pH (10% solution in water, 20°C)	10.5-11.0	Lead (Pb)	<0.00005%
Residue on ignition	<0.05 %	Iron (Fe)	<0.0005 %
Chloride (Cl)	<0.0005%	Zinc (Zn)	<0.00005%
Sulfate (SO_4)	<0.0005%	Cadmium (Cd)	<0.00001%

Adsorption of a 10% solution (1 cm)	230 nm	260 nm	280 nm	430 nm
	<0.4	<0.05	<0.04	<0.01



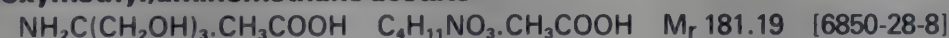
93352 purum p.a. M.P. 167-170° 100 g 7. — 500 g 18. — 1 kg 35. —

Fluka-Guarantee:

Assay	>98.5 %	Lead (Pb)	<0.005%
Chloride (Cl)	<0.005%	Iron (Fe)	<0.005%
Sulfate (SO_4)	<0.005%	Zinc (Zn)	<0.005%
Copper (Cu)	<0.005%	Cadmium (Cd)	<0.005%



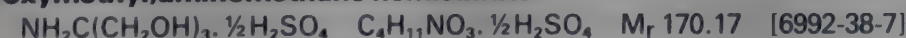
Tris(hydroxymethyl)aminomethane acetate



93339 purum >98%(NT); M.P. 120-121°; 1 g clearly soluble in 10 ml water 50 g 18. — 250 g 75. —

93345 **Tris(hydroxymethyl)aminomethane carbonate** puriss. >99%(T); M.P. 132-134°
 $[\text{NH}_2\text{C}(\text{CH}_2\text{OH})_3]_2 \cdot \text{H}_2\text{CO}_3$ $\text{C}_8\text{H}_{22}\text{N}_2\text{O}_6 \cdot \text{H}_2\text{CO}_3$ M_r 304.30 50 g 29. —

Tris(hydroxymethyl)aminomethane hemisulfate



93346 puriss. >99%(T); M.P. 164-166°; H_2O <0.2%; 1 g clearly soluble in 10 ml water 50 g 15. — 250 g 63. —

Tris(hydroxymethyl)aminomethane hydrochloride



93347 puriss. >99%(Cl); M.P. 148-150° dec.; 1 g clearly soluble in 10 ml water 50 g 10. — 250 g 40. — 1 kg 145. —

Tris(hydroxymethyl)aminomethane laurylsulfate (Tris-laurylsulfate)



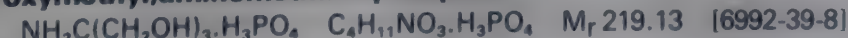
93341 purum; Used in conjunction with 4-picolinelaurylsulfate in a novel system for two dimensional electrophoresis: A. G. Booth, Biochem. J. 163, 165-168 (1977) 5 g 29. —

Tris(hydroxymethyl)aminomethane maleate



93344 purum >99%(NT); M.P. 103-105° 1 g clearly soluble in 10 ml water 100 g 25. —

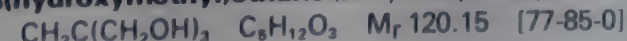
Tris(hydroxymethyl)aminomethane phosphate



93348 purum >99%(NT); M.P. 170-174°; 1 g clearly soluble in 10 ml water 50 g 18. — 250 g 75. —

93351 **Tris(hydroxymethyl)aminomethane succinate** purum 50 g 29. —
 $[\text{NH}_2\text{C}(\text{CH}_2\text{OH})_3]_2 \cdot \text{C}_4\text{H}_6\text{O}_4$ $\text{C}_8\text{H}_{22}\text{N}_2\text{O}_6 \cdot \text{C}_4\text{H}_6\text{O}_4$ M_r 360.36

1,1,1-Tris(hydroxymethyl)ethane (2-Hydroxymethyl-2-methyl-1,3-propanediol; Trimethylolethane)



93340 pract. M.P. ~190° 250 g 10. — 1 kg 32. —

		sFr.	sFr.
	N-[Tris(hydroxymethyl)methyl]-2-aminoethanesulfonic acid, TES (HOCH ₂) ₃ CNHCH ₂ CH ₂ SO ₃ H C ₆ H ₁₅ NO ₆ S M _r 229.25 [7365-44-8]		
93353	puriss. p.a. >99%(T); M.P. 223-225° dec.; Ash <0.2%; pK at 20° 7.5; useful pH-range 7.0-8.0; Biological Buffer: N.E. Good et al., Biochemistry 5, 467 (1966)	5 g 10. —	25 g 40. —
	N-[Tris(hydroxymethyl)methyl]-3-aminopropanesulfonic acid (HOCH ₂) ₃ CNHCH ₂ CH ₂ CH ₂ SO ₃ H C ₇ H ₁₇ NO ₆ S M _r 243.28 [29915-38-6]		
93354	purum >99%(T); M.P. 230-235° dec.; 1 g clearly soluble in 10 ml water	10 g 7. —	50 g 32. —
	N-[Tris(hydroxymethyl)methyl]glycine, TRICINE (HOCH ₂) ₃ CNHCH ₂ COOH C ₆ H ₁₃ NO ₆ M _r 179.18 [5704-04-1]		
93355	puriss. p.a. >99%(NT); M.P. 186-188° dec.; Ash <0.05%; pK at 20° 8.15; useful pH-range 7.6-8.8; Biological Buffer: N.E. Good et al., Biochemistry 5, 467 (1966)	25 g 10. —	100 g 55. —
	Tris(hydroxymethyl)nitromethane (2-Hydroxymethyl-2-nitro-1,3-propanediol) NO ₂ C(CH ₂ OH) ₃ C ₄ H ₉ NO ₅ M _r 151.12 [126-11-4]		
93360	purum M.P. 164-166°	100 g 10. —	500 g 40. —
	1,1,1-Tris(hydroxymethyl)propane ((2-Ethyl-2-hydroxymethyl-1,3-propanediol; Trimethylolpropane) CH ₃ CH ₂ C(CH ₂ OH) ₃ C ₆ H ₁₄ O ₃ M _r 134.18 [77-99-6]		
93370	purum dest. M.P. 56-58°; 1 g clearly soluble in 10 ml water	250 g 8. —	1 kg 22. —
	Tris(2-hydroxypropyl)amine see 92049 Triisopropanolamine		
	Tris-laurylsulfate see 93341 Tris(hydroxymethyl)aminomethane laurylsulfate		
	Tris(2-methoxyethoxy)vinylsilane see 95110 Vinyltris(2-methoxyethoxy)silane		
	Tris(4-nitrophenyl)phosphate (NO ₂ C ₆ H ₄ O) ₃ PO C ₁₈ H ₁₂ N ₃ O ₁₀ P M _r 461.28 [3871-20-3]		
93380	puriss. p.a. M.P. 150-152°; for the determination of phosphatase	5 g 40. —	
	Trisodium phosphate see 71909 tri-Sodium phosphate (tert)		
	Tristearin (Glycerol tristearate) [CH ₃ (CH ₂) ₁₆ COOCH ₂] ₂ CHOCO(CH ₂) ₁₆ CH ₃ C ₅₇ H ₁₁₀ O ₆ M _r 891.51 [555-43-1]		
93401	puriss. >99%(GC); M.P. 72-73°	5 g 32. —	25 g 135. —
93402	pract. ~95%(GC); M.P. 66-69°	250 g 11. —	1 kg 38. —
	Tris(tetrabutylammonium) hexacyanoferrate(III) [Tetrabutylammonium Hexacyanoferrate(III)] [(CH ₃ CH ₂ CH ₂ CH ₂) ₄ N] ₃ [Fe(CN) ₆] C ₅₄ H ₁₀₈ FeN ₉ M _r 939.37 [14589-06-1]		
93406	purum >99%(NT); M.P. 262-263° dec.; 1 g clearly soluble in 10 ml water; Reagent for oxidations in organic solvents: G. Brunow, S. Sumelius, Acta Chem. Scand. B 29, 499 (1975); I. Korondán et al., Monatsh. Chem. 110, 223 (1979)	10 g 16. —	50 g 67. —
	Tris(N,N-tetramethylene)-phosphoric acid triamide (Phosphoric acid tripyrrolidide) 6.1/81a [CH ₂ (CH ₂) ₃ N] ₃ PO C ₁₂ H ₂₄ N ₃ OP M _r 257.31 [6415-07-2]		
93404	purum >98%(GC); B.P. _{0.1} 140-142°; d ₄ ²⁰ 1.112; n _D ²⁰ 1.514; "polar aprotic solvent with the highest known electron-donating power"; Y. Ozari, J. Jagur-Grodzinski, Chem. Commun. 295 (1974)	1 lt ≈ 1.11 kg	5 ml 32. — 25 ml 135. —
	Tris(3-trifluoroacetyl-d-camphorato)europium(III) {Eu(tfc) ₃ ; Tris[3-(trifluoromethylhydroxymethylene)-d-camphorato] europium(III)} C ₃₆ H ₄₂ EuF ₉ O ₆ M _r 893.68 [34830-11-0]		
93387	purum	250 mg 17. —	1 g 60. —
	Tris(triphenylphosphine)rhodium(I) chloride [Rhodium tris(triphenylphosphine) chloride; Wilkinson's catalyst] [(C ₆ H ₅) ₃ P] ₃ RhCl C ₅₄ H ₄₅ ClP ₃ Rh M _r 925.24 [14694-95-2]		
93403	purum ~97%(Cl); M.P. 245-250° dec.; store in refrigerator	1 g 35. —	5 g 145. — 25 g 615. —
	Tris(triphenylphosphine)rhodium(I) chloride polymer supported [Rhodium(I)-tris(triphenylphosphine) chloride polymer supported; Wilkinson catalyst polymer supported]		
93407	Support: Styrene-Divinylbenzene 2%; Mesh size: 20-60 mesh; Review: G. Manecke, W. Storck, Angew. Chem. 90, 691 (1978)	500 mg 55. —	
	Tris(triphenylphosphine)ruthenium(II) dichloride [Dichloro tris(triphenylphosphine)-ruthenium(II); Ruthenium(II) tris(triphenylphosphine) dichloride] [(C ₆ H ₅) ₃ P] ₃ RuCl ₂ C ₅₄ H ₄₅ Cl ₂ P ₃ Ru M _r 958.86 [15529-49-4]		
93405	purum; Homogenous catalyst for transfer hydrogenations: L. Fieser, M. Fieser, "Reagents for Organic Synthesis", 4, 564; 5, 740; 6, 654; catalyst for the oxidation of alcohols to aldehydes and ketones by N-methylmorpholine-N-oxide: K. B. Sharpless et al., Tetrahedron Lett. 2503 (1976)	1 g 32. —	5 g 135. —

			sFr.	sFr.
93410	1,3,5-Trithiane (sym.) purum >99%(S); M.P. 215-220° dec. $\text{SCH}_2\text{SCH}_2\text{SCH}_2$ $\text{C}_3\text{H}_6\text{S}_3$ M_r 138.27 [291-21-4]		100 g 35. —	500 g 145. —
	Triton B see 13990 Benzyltrimethylammonium hydroxide			
93417	Triton® N-101 water soluble Nonylphenoxypolyethoxyethanol; 100% active substance; non-ionic [9002-93-1] ® Registered trade-mark of Rohm + Haas	1 lt ≈ 1.05 kg	250 ml 7. —	1 lt 18. —
93420	Triton® X-100 d_4^{20} 1.065; n_D^{20} 1.491 [9002-93-1] ® Registered trade-mark of Rohm + Haas	1 lt ≈ 1.07 kg	250 ml 7. —	1 lt 18. —
93421	Triton® X-114 (Alkylphenylpolyethylene glycol) [9036-19-6] ® Registered trade-mark of Rohm + Haas	1 lt ≈ 1.05 kg	250 ml 7. —	1 lt 18. —
	Triton® X-405 [9002-93-1]			
93425	70% solution in water of Octylphenyl-polyethylene glycol ether ® Registered trade-mark of Rohm + Haas	1 lt ≈ 1.10 kg	250 ml 7. —	1 lt 18. —
93440	Nα-Trityl-L-arginine puriss. $\text{HN}:\text{C}(\text{NH}_2)\text{NH}(\text{CH}_2)_3\text{CH}[\text{NHC}(\text{C}_6\text{H}_5)_3]\text{COOH}$ $\text{C}_{25}\text{H}_{28}\text{N}_4\text{O}_2$ M_r 416.53 [38453-62-2]		5 g 50. —	
	Trityl bromide see 18560 Bromotriphenylmethane			
	Trityl chloride see 93000 Triphenylchloromethane			
	S-Trityl-L-cysteine $(\text{C}_6\text{H}_5)_3\text{CSCH}_2\text{CH}(\text{NH}_2)\text{COOH}$ $\text{C}_{22}\text{H}_{21}\text{NO}_2\text{S}$ M_r 363.47 [2799-09-7]			
93450	purum ~97%(NT); M.P. 180-185° dec.; $[\alpha]_{546}^{20} + 20 \pm 1^\circ$; $[\alpha]_D^{20} + 16 \pm 1^\circ$ (c = 1 in 0.1n NaOH)		1 g 8. —	5 g 29. —
	Trityl hexachloroantimonate (Triphenylmethylhexachloroantimonate) $(\text{C}_6\text{H}_5)_3\text{C}(\text{SbCl}_6)$ $\text{C}_{19}\text{H}_{15}\text{Cl}_6\text{Sb}$ M_r 577.80 [1586-91-0]			
93475	6.1/75 purum >99%(Cl); M.P. 218° dec.; store in refrigerator		10 g 22. —	50 g 90. —
	Trityl hexafluorophosphate (Triphenylmethyl hexafluorophosphate) $(\text{C}_6\text{H}_5)_3\text{C}(\text{PF}_6)$ $\text{C}_{19}\text{H}_{15}\text{F}_6\text{P}$ M_r 388.30 [437-17-2]			
93456	6.1/81g purum M.P. 166-167°; store in refrigerator		10 g 22. —	50 g 90. —
	O-Trityl-hydroxylamine (O-Triphenylmethylhydroxylamine; Trityloxyamine) $(\text{C}_6\text{H}_5)_3\text{CONH}_2$ $\text{C}_{19}\text{H}_{17}\text{NO}$ M_r 275.36 [31938-11-1]			
93462	purum >98%(N); M.P. 86-88°; A useful O-protected form of hydroxylamine: W.B. Lutz, J. Org. Chem. 36, 3835 (1971)		5 g 26. —	25 g 110. —
	Trityl tetrafluoroborate (Triphenylmethyl tetrafluoroborate) $(\text{C}_6\text{H}_5)_3\text{C}(\text{BF}_4)$ $\text{C}_{19}\text{H}_{15}\text{BF}_4$ M_r 330.14 [341-02-6]			
93457	8/15 purum M.P. 205-215° dec.; store in refrigerator		10 g 22. —	50 g 90. —
93495	Triundecanin puriss. >99%(GC); M.P. 24-29° (Glycerol triundecanoate) $[\text{CH}_3(\text{CH}_2)_9\text{COOCH}_2]_2\text{CHOCO}(\text{CH}_2)_9\text{CH}_3$ $\text{C}_{36}\text{H}_{68}\text{O}_6$ M_r 596.90 [13552-80-2]		5 g 32. —	25 g 135. —
	1,2,4-Trivinylcyclohexane 3/4; >65° $\text{CH}_2:\text{CHCH}(\text{CH}:\text{CH}_2)\text{CH}_2\text{CH}(\text{CH}:\text{CH}_2)\text{CH}_2\text{CH}_2$ $\text{C}_{12}\text{H}_{18}$ M_r 162.28 [2855-27-8]			
93499	puriss. ~99.5%(GC); B.P. 200-202°; d_4^{20} 0.850; n_D^{20} 1.481; Mixture of 4 Stereoisomers	1 lt ≈ 0.85 kg	100 ml 30. —	
	Tropaeolin O [C.I. Nr. 14270; Sch. Nr. 186] (Chrysoin; Resorcinol Yellow) $2,4\text{-(HO)}_2\text{C}_6\text{H}_3\text{N}:\text{NC}_6\text{H}_4\text{-4-SO}_3\text{Na}$ $\text{C}_{12}\text{H}_9\text{N}_2\text{NaO}_5\text{S}$ M_r 316.27 [547-57-9]			
93520	Standard Fluka Indicator pH 11.1-12.7		25 g 8. —	100 g 25. —
	Tropaeolin OO [C.I. Nr. 13080; Sch. Nr. 179] (Orange IV) $4\text{-C}_6\text{H}_5\text{NHC}_6\text{H}_4\text{N}:\text{NC}_6\text{H}_4\text{-4-SO}_3\text{Na}$ $\text{C}_{18}\text{H}_{14}\text{N}_3\text{NaO}_3\text{S}$ M_r 375.38 [554-73-2]			
93530	Standard Fluka Indicator pH 1.2-3.2		25 g 8. —	100 g 25. —
	Tropaeolin OOO Nr. 1 see 75360 Orange I			
	Tropaeolin OOO Nr. 2 see 75370 Orange II			
	3-Tropanol see 93550 Tropine			

		sFr.	sFr.
	Tropic acid (3-Hydroxy-2-phenylpropionic acid; 2-Phenylhydracrylic acid) HOCH ₂ CH(C ₆ H ₅)COOH C ₉ H ₁₀ O ₃ M _r 166.18 [529-64-6]		
93540	purum >99%(T); M.P. 116-118°; 1 g clearly soluble in 10 ml Methanol	10 g 14. —	50 g 60. —
	Tropine (N-Methyl-8-azabicyclo[3.2.1]octan-3-ol; 3-Tropanol) 6.1/81e C ₈ H ₁₅ NO M _r 141.22 [120-29-6]		
93550	purum M.P. 59-61°; store in refrigerator	10 g 16. —	50 g 67. —
	Tropolon (2-Hydroxy-2,4,6-cycloheptatrien-1-one) OH $\dot{C}$:CHCH:CHCH:CH $\dot{C}$ O C ₇ H ₆ O ₂ M _r 122.12 [533-75-5]		
93555	purum M.P. 49-51°; B.P. _{0.1} 80-84° (Lit.); store in refrigerator	1 g 25. —	5 g 105. —
	Trypan Blue [C.I. Nr. 23850; Sch. Nr. 471] [1-HO-3,6-(NaO ₃ S) ₂ -8-NH ₂ C ₁₀ H ₃ -2-N:NC ₆ H ₃ ''CH ₃ '] ₂ C ₃₄ H ₂₄ N ₆ Na ₄ O ₁₄ S ₄ M _r 960.82 [72-57-1]		
93590	Standard Fluka for Microscopy (Hist., Vit.)	25 g 7. —	100 g 20. —
	Trypsin ex Bovine Pancreas (EC 3.4.21.4) [9002-07-7]		
93610	puriss. 3 × cryst. lyophilized salt free; >3000 NF U/mg ≈ 9000 BAEE-U/mg; E ₁ ^{1%} _{cm} ~ 15 (277-279 nm); Ash <2%; store in refrigerator	250 mg 17. —	1 g 60. —
93612	puriss. 2 × cryst. salt free; >3000 NF U/mg ≈ 9000 BAEE-U/mg; store in refrigerator	250 mg 14. —	1 g 50. —
93613	Trypsin (E.C. 3.4.21.4) 0.2 Anson U/g; 2000 U/g; store in refrigerator	250 g 18. —	1 kg 65. —
	Trypsin-Inhibitor ex Soybeans [9035-81-8]		
93620	lyophilized salt free; 6000-8000 U/mg; store in refrigerator	250 mg 12. —	1 g 40. —
	Trypsinogen ex Bovine pancreas		
93630	purum p.a. 1 × cryst. with ~50% MgSO ₄ ; 3000 NF U/mg Protein; store in refrigerator	250 mg 18. —	1 g 65. —
	Tryptamine [3-(2-Aminoethyl)indole; 2-(3-Indolyl)ethylamine] C ₆ H ₄ NHCH:CHCH ₂ CH ₂ NH ₂ C ₁₀ H ₁₂ N ₂ M _r 160.22 [61-54-1]		
93640	puriss. biochim. >99%(NT); M.P. 116-118°; Ash <0.05%; store in refrigerator	1 g 13. —	5 g 55. —
93639	purum >98%(NT); M.P. 113-116°	10 g 18. —	50 g 75. —
93650	Tryptamine hydrochloride purum >98%(Cl); M.P. 252-253° C ₆ H ₄ NHCH:CHCH ₂ CH ₂ NH ₂ .HCl C ₁₀ H ₁₂ N ₂ .HCl M _r 196.68 [343-94-3]	5 g 17. —	25 g 70. —
	L-Tryptophan [2-Amino-3-(3-indolyl)propionic acid] C ₆ H ₄ NHCH:CHCH ₂ CH(NH ₂)COOH C ₁₁ H ₁₂ N ₂ O ₂ M _r 204.23 [73-22-3]		
93660	puriss. p.a. [α] ₅₄₀ ²⁰ -36.0 ± 1°; [α] _D ²⁰ -31.5 ± 1° (c = 1 in water)	25 g 17. —	100 g 60. — 1 kg 480. —
	Fluka-Guarantee:		
	Assay >99.5%	Copper (Cu) <0.0001%	
	Other amino acids <0.3 %	Lead (Pb) <0.0001%	
	Loss on drying <0.1 %	Iron (Fe) <0.001 %	
	Residue on ignition (as SO ₄) <0.1 %	Zinc (Zn) <0.0001%	
	Chloride (Cl) <0.01%	Cadmium (Cd) <0.0001%	
	Sulfate (SD ₄) <0.01%		
	D-Tryptophan C ₆ H ₄ NHCH:CHCH ₂ CH(NH ₂)COOH C ₁₁ H ₁₂ N ₂ O ₂ M _r 204.23 [153-94-6]		
93670	puriss. CHR >99%(NT); [α] ₅₄₀ ²⁰ +36.0 ± 2°; [α] _D ²⁰ +31.5 ± 2° (c = 1 in water); Ash <0.1%	1 g 7. —	5 g 21. — 25 g 90. —
93680	DL-Tryptophan puriss. CHR >99%(NT); M.P. ~295° dec. C ₆ H ₄ NHCH:CHCH ₂ CH(NH ₂)COOH C ₁₁ H ₁₂ N ₂ O ₂ M _r 204.23 [54-12-6]	25 g 10. —	100 g 35. —
	L-Tryptophan benzyl ester hydrochloride C ₆ H ₄ NHCH:CHCH ₂ CH(NH ₂)COOCH ₂ C ₆ H ₅ .HCl C ₁₈ H ₁₈ N ₂ O ₂ .HCl M _r 330.82 [4299-69-8] (free ester)		
93720	puriss. >99%(Cl); [α] ₅₄₀ ²⁰ +6.0 ± 1°; [α] _D ²⁰ +4.5 ± 1° (c = 2 in Methanol)	5 g 40. —	
	L-Tryptophan ethyl ester hydrochloride C ₆ H ₄ NHCH:CHCH ₂ CH(NH ₂)COOC ₂ H ₅ .HCl C ₁₃ H ₁₆ N ₂ O ₂ .HCl M _r 268.74 [2899-28-7]		
93690	puriss. >99%(Cl); M.P. 220-225° dec.; [α] ₅₄₀ ²⁰ +12.0 ± 1°; [α] _D ²⁰ +9.5 ± 1° (c = 2 in water)	5 g 26. —	



			sFr.	sFr.
	L-Tryptophan methyl ester hydrochloride			
	$C_8H_9NHCH:CHCH_2CH(NH_2)COOCH_3 \cdot HCl$ $C_{12}H_{14}N_2O_2 \cdot HCl$ M_r 254.72 [7524-52-9]			
93730	puriss. >99% (Cl); M.P. 216-218° dec.; $[\alpha]_{540}^{20} + 22 \pm 2^\circ$; $[\alpha]_D^{20} + 18 \pm 1^\circ$ (c = 3 in CH_3OH)			5 g 26. —
93740	DL-Tryptophanol purum (2-Amino-3-(3-indolyl)-1-propanol) $C_8H_9NHCH:CHCH_2CH(NH_2)CH_2OH$ $C_{11}H_{14}N_2O$ M_r 190.25 [526-53-4]			1 g 50. —
93745	DL-Tryptophanol hydrogenoxalate purum $C_8H_9NHCH:CHCH_2CH(NH_2)CH_2OH \cdot (COOH)_2$ $C_{11}H_{14}N_2O \cdot C_2H_2O_4$ M_r 280.28 [2899-30-1]			1 g 50. —
	Tryptophol see 54350 3-(2-Hydroxyethyl)indole			
	"T-Solvent" see 87390 2 + 3(Tetrahydrofurfuryloxy)tetrahydropyran			
	TTA see 91874 1,1,1-Trifluoro-3-(2-thienyl)-2-propanone			
	TTC see 93140 2,3,5-Triphenyltetrazolium chloride			
	TTC-formazane see 93145 1,3,5-Triphenyl-tetrazolium formazane			
	TTHA see 90471 Triethylenetetramine-N,N,N',N'',N''',N'''-hexaacetic acid			
	(+)-Tubocurarine chloride Pentahydrate			
	6.1/81e $C_{37}H_{42}Cl_2N_2O_5 \cdot 5H_2O$ M_r 771.74 [57-94-3]			
93750	purum >97% (Cl); M.P. 275-280° dec.; $[\alpha]_{540}^{20} + 235 \pm 5^\circ$; $[\alpha]_D^{20} + 195 \pm 5^\circ$ (c = 0.5 in water)			250 mg 33. — 1 g 120. —
	Tuerk Solution			
93770	Standard Fluka for Microscopy (for counting of Leucozytes); d_4^{20} 0.998; n_D^{20} 1.334			1 lt $\approx$ 1.00 kg 100 ml 7. — 1 lt 16. —
95390	Tungsten purum p.a. powder W A_r 183.85 [7440-33-7]			25 g 8. — 100 g 25. —
	Fluka-Guarantee:			
	Assay	>99.5 %	Iron (Fe)	<0.02 %
	Copper (Cu)	<0.005%	Zinc (Zn)	<0.005%
	Lead (Pb)	<0.005%		
	Tungsten(VI) chloride (Tungsten hexachloride)			
	8/12 WCl_6 Cl_6W M_r 396.57 [13283-01-7]			
95400	purum $\sim$ 96% (Cl); M.P. $\sim$ 265-275° dec.; decomposes easily			100 g 75. —
95405	Tungsten(VI) fluoride pract. 2/3at WF_6 F_6W M_r 297.84 [7783-82-6]			Cyl. with net $\sim$ 450 g 440. —
95403	Tungsten hexacarbonyl purum $W(CO)_6$ C_6O_6W M_r 351.91 [14040-11-0]			10 g 35. — 50 g 145. —
	Tungsten hexachloride see 95400 Tungsten(VI) chloride			
95410	Tungsten(VI) oxide puriss. powder 99.9% (Tungstic anhydride) WO_3 O_3W M_r 231.85 [1314-35-8]			100 g 16. — 500 g 67. —
95420	Tungstic acid puriss. powder >99% (T) H_2WO_4 H_2O_4W M_r 249.87 [7783-03-1]			100 g 16. — 500 g 67. —
	Tungstic anhydride see 95410 Tungsten(VI) oxide			
	Tungstophosphoric acid see 79690 Phosphotungstic acid			
95395	Tungstosilicic acid p.a.; 1 g clearly and colourless soluble in 10 ml water $H_4[Si(W_3O_{10})_3] \cdot aq$ $H_4O_{30}SiW_9 \cdot aq$ M_r 2166.75 + aq			50 g 18. — 250 g 75. —
	D(+)-Turanose (3-O- α -D-Glucopyranosyl-D-fructose)			
	$C_{12}H_{22}O_{11}$ M_r 342.30 [5349-40-6]			
93760	puriss. M.P. 168-170° dec.; $[\alpha]_{540}^{20} + 88 \pm 2^\circ$; $[\alpha]_D^{20} + 77 \pm 2^\circ$ (c = 4 in water)			1 g 25. — 5 g 105. —
	Tween® 20 (Polyoxyethylene sorbitanmonolaurate) [9005-64-5]			
93773	pract. 250-450 mPa.s; d_4^{20} 1.106; n_D^{20} 1.471			250 g 9. — 1 kg 30. —



				sFr.	sFr.
93775	Tween® 40	purum 400-650 mPa.s (Polyoxyethylene sorbitanmonopalmitate) [9005-66-7]		250 g 9. —	1 kg 30. —
93776	Tween® 60	pract. 75-175 mPa.s (Polyoxyethylene sorbitanmonostearate) [9005-67-8]		250 g 9. —	1 kg 30. —
93778	Tween® 65	purum (Polyoxyethylene sorbitantristearate) [9005-71-4]		250 g 9. —	1 kg 30. —
	Tween® 80	(Polyoxyethylene sorbitanmonooleate) [9005-65-6]			
93780		puriss. Ph. Eur.; for Bacteriology	1 lt ≈ 1.08 kg	25 ml 14. —	100 ml 50. —
93781		pract. 375-480 mPa.s; d_4^{20} 1.079; n_D^{20} 1.472	1 lt ≈ 1.08 kg	250 ml 9. —	1 lt 30. —
	Tween® 85	(Polyoxyethylene sorbitantrioleate) [9005-70-3]			
93783		pract. 250-450 mPa.s; d_4^{20} 1.055; n_D^{20} 1.468 ® Registered trade-mark of Atlas Chem. Ind. Inc.	1 lt ≈ 1.06 kg	250 ml 9. —	1 lt 30. —
	"Tylose"	(Methylcellulose) [9004-32-4]			
93800		purum MH 300 (Methylcellulose medium viscosity 1)		250 g 14. —	1 kg 50. —
93802		purum MH 1000 (Methylcellulose medium viscosity 2)		250 g 14. —	1 kg 50. —
	Tyramine	[2-(4-Hydroxyphenyl)ethylamine]			
	6.1/81e	$\text{HOC}_6\text{H}_4\text{CH}_2\text{CH}_2\text{NH}_2$ $\text{C}_8\text{H}_{11}\text{NO}$ M_r 137.18 [51-67-2]			
93810		puriss. CHR; >99%(NT); M.P. 159-161°; Ash <0.05%		5 g 26. —	25 g 110. —
	Tyramine hydrochloride	purum >97%(Cl); M.P. 272-274°; 1 g clearly soluble in 10 ml water		5 g 15. —	25 g 63. —
93820		6.1/81e $\text{HOC}_6\text{H}_4\text{CH}_2\text{CH}_2\text{NH}_2\cdot\text{HCl}$ $\text{C}_8\text{H}_{11}\text{NO}\cdot\text{HCl}$ M_r 173.64 [60-19-5]			
	L-Tyrosine	[2-Amino-3-(4-hydroxyphenyl)propionic acid]			
		$\text{HOC}_6\text{H}_4\text{CH}_2\text{CH}(\text{NH}_2)\text{COOH}$ $\text{C}_9\text{H}_{11}\text{NO}_3$ M_r 181.19 [60-18-4]			
93830		puriss. p.a. $[\alpha]_{546}^{20} - 12.3 \pm 0.5^\circ$; $[\alpha]_D^{20} - 11.0 \pm 0.5^\circ$ (c = 4 in 1n HCl)		100 g 12. —	500 g 46. —
	Fluka-Guarantee:				
	Assay	>99.0%	Ammonium (NH_4)	<0.05 %	
	Other amino acids	<0.3 %	Copper (Cu)	<0.0001%	
	Loss on drying	<0.1 %	Lead (Pb)	<0.0001%	
	Residue on ignition (as SO_4)	<0.1 %	Iron (Fe)	<0.0005%	
	Chloride (Cl)	<0.01%	Zinc (Zn)	<0.0001%	
	Sulfate (SO_4)	<0.01%	Cadmium (Cd)	<0.0001%	
93840	D-Tyrosine	puriss. CHR >99%(NT); $[\alpha]_{546}^{20} + 12.3 \pm 1^\circ$; $[\alpha]_D^{20} + 11.0 \pm 1^\circ$ (c = 4 in 1n HCl) $\text{HOC}_6\text{H}_4\text{CH}_2\text{CH}(\text{NH}_2)\text{COOH}$ $\text{C}_9\text{H}_{11}\text{NO}_3$ M_r 181.19 [556-02-6]		1 g 12. —	5 g 50. —
93850	DL-Tyrosine	puriss. CHR; ~99%(NT); M.P. >300° $\text{HOC}_6\text{H}_4\text{CH}_2\text{CH}(\text{NH}_2)\text{COOH}$ $\text{C}_9\text{H}_{11}\text{NO}_3$ M_r 181.19 [556-03-6]		10 g 10. —	50 g 42. —
93870	DL-m-Tyrosine	purum [DL-2-Amino-3-(3-hydroxyphenyl)propionic acid] $\text{HOC}_6\text{H}_4\text{CH}_2\text{CH}(\text{NH}_2)\text{COOH}$ $\text{C}_9\text{H}_{11}\text{NO}_3$ M_r 181.19 [775-06-4]		1 g 22. —	5 g 90. —
	L-Tyrosine tert-butyl ester	$\text{HOC}_6\text{H}_4\text{CH}_2\text{CH}(\text{NH}_2)\text{COOC}(\text{CH}_3)_3$ $\text{C}_{13}\text{H}_{19}\text{NO}_3$ M_r 237.30 [13874-12-7]			
93902		puriss. >99%(NT); M.P. 141-143°; $[\alpha]_{546}^{20} + 31 \pm 1^\circ$; $[\alpha]_D^{20} + 25 \pm 1^\circ$ (c = 2 in $\text{C}_2\text{H}_5\text{OH}$)		1 g 35. —	5 g 145. —
	L-Tyrosine ethyl ester hydrochloride	$\text{HOC}_6\text{H}_4\text{CH}_2\text{CH}(\text{NH}_2)\text{COOC}_2\text{H}_5\cdot\text{HCl}$ $\text{C}_{11}\text{H}_{15}\text{NO}_3\cdot\text{HCl}$ M_r 245.71 [4089-07-0]			
93890		puriss. >99%(Cl); M.P. 165-167°; $[\alpha]_{546}^{20} - 7.5 \pm 0.5^\circ$; $[\alpha]_D^{20} - 6.8 \pm 0.5^\circ$ (c = 2 in water)		25 g 13. —	100 g 45. —
	L-Tyrosine hydrazide	$\text{HOC}_6\text{H}_4\text{CH}_2\text{CH}(\text{NH}_2)\text{CONHNH}_2$ $\text{C}_9\text{H}_{13}\text{N}_3\text{O}_2$ M_r 192.22 [7662-51-3]			
93915		purum >97%(NT); M.P. 196-197°; $[\alpha]_{546}^{20} + 87 \pm 2^\circ$; $[\alpha]_D^{20} + 72 \pm 2^\circ$ (c = 2 in 3n HCl)		5 g 29. —	25 g 120. —
	L-Tyrosine methyl ester	$\text{HOC}_6\text{H}_4\text{CH}_2\text{CH}(\text{NH}_2)\text{COOCH}_3$ $\text{C}_{10}\text{H}_{13}\text{NO}_3$ M_r 195.22 [1080-06-4]			
93920		puriss. >99%(NT); M.P. 134-136°; $[\alpha]_{546}^{20} + 33 \pm 1^\circ$; $[\alpha]_D^{20} + 26 \pm 1^\circ$ (c = 4 in Methanol)		5 g 24. —	25 g 100. —
	L-Tyrosine methyl ester hydrochloride	$\text{HOC}_6\text{H}_4\text{CH}_2\text{CH}(\text{NH}_2)\text{COOCH}_3\cdot\text{HCl}$ $\text{C}_{10}\text{H}_{13}\text{NO}_3\cdot\text{HCl}$ M_r 231.68 [3417-91-2]			
93930		puriss. >99%(Cl); M.P. ~185-190° dec.; $[\alpha]_{546}^{20} + 88 \pm 2^\circ$; $[\alpha]_D^{20} + 73 \pm 2^\circ$ (c = 3 in Pyridine); Ash <0.05%		25 g 20. —	100 g 70. —
93939	L-Tyrosinol hydrochloride	purum $\text{HOC}_6\text{H}_4\text{CH}_2\text{CH}(\text{NH}_2)\text{CH}_2\text{OH}\cdot\text{HCl}$ $\text{C}_9\text{H}_{13}\text{NO}_2\cdot\text{HCl}$ M_r 203.67 [40829-04-7]		1 g 35. —	



			sFr.	sFr.
	Ubiquinone-50 see 27595 Coenzyme Q 10			
93970	Ucon HTF 14 water soluble oil bath fluid; d_4^{20} 1.04; n_D^{20} 1.461	1 lt $\approx$ 1.04 kg	1 lt 25. —	5 lt 105. —
93972	Ucon LB-550-X stationary Phase for GC	1 lt $\approx$ 1.03 kg	50 ml 9. —	
	5'-UDP-Na₂ see 94330 Uridine 5'-diphosphate Disodium salt			
	Umbelliferone (7-Hydroxycoumarin) $\text{HO} \text{C}_6\text{H}_3\text{OCOCH}:\text{CH} \text{ C}_9\text{H}_6\text{O}_3 \text{ M}_r 162.15$ [93-35-6]			
93979	puriss. >99%(UV); M.P. 228-231°; Fluorescence-Indicator; Ash <0.05%		25 g 21. —	100 g 75. —
	U-3'(+2')-MP see 94390 Uridylic acid			
	5'-UMP-Na₂ see 94350 Uridine 5'-monophosphate Disodium salt			
	Undecamethylene bromohydrin see 18600 11-Bromo-1-undecanol			
	Undecamethylene dibromide see 34410 1,11-Dibromoundecane			
	Undecanal (Aldehyde C ₁₁ ; "Undecyl aldehyde") $\text{CH}_3(\text{CH}_2)_9\text{CHO} \text{ C}_{11}\text{H}_{22}\text{O} \text{ M}_r 170.30$ [112-44-7]			
94020	purum >98%(GC); M.P. -2-0°; B.P. ₁₂ 110-113°; d_4^{20} 0.828; n_D^{20} 1.433	1 lt $\approx$ 0.83 kg	25 ml 17. —	100 ml 60. —
	Undecane (Alkane C ₁₁ ; Hendecane) 3/4; 66° $\text{CH}_3(\text{CH}_2)_9\text{CH}_3 \text{ C}_{11}\text{H}_{24} \text{ M}_r 156.31$ [1120-21-4]			
94000	puriss. Standard for GC; >99.5%(GC) + Cycloparaffins + Isoparaffins; B.P. 195-196°; d_4^{20} 0.744; n_D^{20} 1.418	1 lt $\approx$ 0.74 kg	5 ml 24. —	25 ml 100. —
94002	purum $\sim$ 99%(GC); B.P. 195-196°; d_4^{20} 0.742; n_D^{20} 1.418	1 lt $\approx$ 0.74 kg	50 ml 12. —	250 ml 50. —
94003	pract. >95%(GC); B.P. 191-196°; d_4^{20} 0.742; n_D^{20} 1.418	1 lt $\approx$ 0.74 kg	250 ml 31. —	1 lt 115. —
94010	Undecane-Fraction purum B.P. 197-204°; d_4^{20} 0.744 3/4; 66°	1 lt $\approx$ 0.74 kg	250 ml 18. —	1 lt 65. —
	Undecanedioic acid (Dicarboxylic acid C ₁₁) $\text{HCOC}(\text{CH}_2)_9\text{COOH} \text{ C}_{11}\text{H}_{20}\text{O}_4 \text{ M}_r 216.28$ [1852-04-5]			
94040	puriss. $\sim$ 99%(GC); M.P. 110-111°; 1 g clearly soluble in 100 ml Methanol		1 g 25. —	5 g 105. —
	Undecanenitrile (Decyclanide; Nitrile C ₁₁) 6.1/2b $\text{CH}_3(\text{CH}_2)_9\text{CN} \text{ C}_{11}\text{H}_{21}\text{N} \text{ M}_r 167.30$ [2244-07-7]			
94130	purum >99%(GC); B.P. 254-257°; d_4^{20} 0.822; n_D^{20} 1.433	1 lt $\approx$ 0.82 kg	25 ml 18. —	100 ml 65. —
	Undecanoic acid (Carboxylic acid C ₁₁) $\text{CH}_3(\text{CH}_2)_9\text{COOH} \text{ C}_{11}\text{H}_{22}\text{O}_2 \text{ M}_r 186.30$ [112-37-8]			
94089	puriss. >99%(GC); M.P. 28-29°		25 g 12. —	100 g 40. —
94090	purum >97%(GC); M.P. 26-29°		100 g 15. —	500 g 63. —
	1-Undecanol (Alcohol C ₁₁ ; Undecyl alcohol) $\text{CH}_3(\text{CH}_2)_{10}\text{OH} \text{ C}_{11}\text{H}_{24}\text{O} \text{ M}_r 172.31$ [112-42-5]			
94061	purum >98%(GC); M.P. 15-17°; B.P. 248-250°; d_4^{20} 0.832; n_D^{20} 1.441	1 lt $\approx$ 0.83 kg	100 ml 16. —	500 ml 67. —
	2-Undecanol (Methyl nonyl carbinol) 97° $\text{CH}_3(\text{CH}_2)_8\text{CH}(\text{OH})\text{CH}_3 \text{ C}_{11}\text{H}_{24}\text{O} \text{ M}_r 172.31$ [1653-30-1]			
94070	purum >98%(GC); B.P. 229-231°; d_4^{20} 0.826; n_D^{20} 1.437	1 lt $\approx$ 0.83 kg	25 ml 22. —	100 ml 80. —
94080	6-Undecanol purum (Dipentyl carbinol) 3/4; 60° $[\text{CH}_3(\text{CH}_2)_4]_2\text{CHOH} \text{ C}_{11}\text{H}_{24}\text{O} \text{ M}_r 172.31$ [23708-56-7]	1 lt $\approx$ 0.83 kg	25 ml 20. —	100 ml 70. —
	2-Undecanone (Methyl nonyl ketone) $\text{CH}_3(\text{CH}_2)_8\text{COCH}_3 \text{ C}_{11}\text{H}_{22}\text{O} \text{ M}_r 170.30$ [112-12-9]			
68160	purum >98%(GC); M.P. 11-14°; B.P. 228° (Lit.); d_4^{20} 0.825; n_D^{20} 1.430	1 lt $\approx$ 0.83 kg	100 ml 10. —	500 ml 40. —
	4-Undecanone (Heptyl propyl ketone) 3/4; 92° $\text{CH}_3(\text{CH}_2)_6\text{COCH}_2\text{CH}_2\text{CH}_3 \text{ C}_{11}\text{H}_{22}\text{O} \text{ M}_r 170.30$ [14476-37-0]			
52030	purum >97%(GC); B.P. ₁₃ 104-107°; d_4^{20} 0.823; n_D^{20} 1.428	1 lt $\approx$ 0.82 kg	50 ml 40. —	
	6-Undecanone (Caprone; Dipentylketone) $\text{CH}_3(\text{CH}_2)_4\text{CO}(\text{CH}_2)_4\text{CH}_3 \text{ C}_{11}\text{H}_{22}\text{O} \text{ M}_r 170.30$ [927-49-7]			
42630	purum >98%(GC); M.P. 14-16°; B.P. ₁₃ 105-108°; d_4^{20} 0.825; n_D^{20} 1.428	1 lt $\approx$ 0.82 kg	25 ml 10. —	100 ml 35. —

				sFr.	sFr.
94140	1-Undecene pract. >95%(GC); B.P. 192-194°; d_4^{20} 0.751; n_D^{20} 1.427 3/4; 63° $\text{CH}_3(\text{CH}_2)_9\text{CH}:\text{CH}_2$ $\text{C}_{11}\text{H}_{22}$ M_r 154.30 [821-95-4]	1 lt $\approx$ 0.75 kg	25 ml 13. —	100 ml 45. —	
94192	10-Undecenoic acid purum >98%(GC); M.P. 23-25°; B.P. 275° (Lit.) (Undecylenic acid) $\text{CH}_2:\text{CH}(\text{CH}_2)_9\text{COOH}$ $\text{C}_{11}\text{H}_{20}\text{O}_2$ M_r 184.28 [112-38-9]		250 g 12. —	1 kg 40. —	
94160	10-Undecen-1-ol (Undecylenyl alcohol) 125° $\text{CH}_2:\text{CH}(\text{CH}_2)_9\text{OH}$ $\text{C}_{11}\text{H}_{22}\text{O}$ M_r 170.30 [112-43-6] purum >99%(GC); M.P. -1- + 1°; B.P. 245-246° (Lit.); d_4^{20} 0.846; n_D^{20} 1.451	1 lt $\approx$ 0.85 kg	50 ml 22. —	250 ml 90. —	
94180	10-Undecenoyl chloride 8/22 $\text{CH}_2:\text{CH}(\text{CH}_2)_9\text{COCl}$ $\text{C}_{11}\text{H}_{19}\text{ClO}$ M_r 202.73 [38460-95-6] pract. >97%(GC; after transesterification); B.P. 120-122°; d_4^{20} 0.944; n_D^{20} 1.454	1 lt $\approx$ 0.94 kg	100 ml 25. —	500 ml 105. —	
	Undecyl alcohol see 94061 1-Undecanol				
	"Undecyl aldehyde" see 94020 Undecanal				
94200	Undecylamine (Amine C_{11} ; 1-Aminoundecane) $\text{CH}_3(\text{CH}_2)_{10}\text{NH}_2$ $\text{C}_{11}\text{H}_{25}\text{N}$ M_r 171.33 [7307-55-3] purum >98%(GC); M.P. 15-17°; B.P. 170-171°; d_4^{20} 0.797; n_D^{20} 1.439	1 lt $\approx$ 0.80 kg	10 ml 18. —	50 ml 75. —	
	Undecyl bromide see 18580 1-Bromoundecane				
	Undecyl cyanide see 61720 Lauronitrile				
	Undecylenic acid see 94192 10-Undecenoic acid				
	Undecylenyl alcohol see 94160 10-Undecen-1-ol				
94220	Uracil puriss. >99%(NT); M.P. $\sim$ 330°; Ash <0.05% (2,4-Dihydroxypyrimidine) $\text{N}:\text{C}(\text{OH})\text{N}:\text{C}(\text{OH})\text{CH}:\text{CH}$ $\text{C}_4\text{H}_4\text{N}_2\text{O}_2$ M_r 112.09 [26-22-8]		25 g 13. —	100 g 45. —	
	Uracil-4-carboxylic acid see 75500 Orotic acid anhydrous				
	Uracil-5-carboxylic acid see 21970 5-Carboxyuracil				
	Uracil deoxyriboside see 31180 2'-Deoxyuridine				
	Uracil-1-β-D-ribofuranoside see 94320 Uridine				
94250	Uramil-N,N-diacetic acid Monohydrate $\text{CONHCONHCOCHN}(\text{CH}_2\text{COOH})_2 \cdot \text{H}_2\text{O}$ $\text{C}_8\text{H}_9\text{N}_3\text{O}_7 \cdot \text{H}_2\text{O}$ M_r 277.19 [13055-06-6] puriss. p.a. for complexometry >99%(T); M.P. 248-250° dec.		5 g 40. —		
	Uranine see 46960 Fluorescein Sodium				
94260	Uranyl acetate puriss. p.a. 6.1/81j $\text{UO}_2(\text{OCOCH}_3)_2 \cdot 2\text{H}_2\text{O}$ $\text{C}_4\text{H}_6\text{O}_6\text{U} \cdot 2\text{H}_2\text{O}$ M_r 424.15 [541-09-3] Fluka-Guarantee: Assay >99.0 % Calcium (Ca) <0.005% Chloride (Cl) <0.002% Sodium (Na) <0.005% Sulfate (SO_4) <0.01 % Potassium (K) <0.001% Copper (Cu) <0.001% Ammonium (NH_4) <0.002% Lead (Pb) <0.002% KMnO_4 reducing parts Iron (Fe) <0.001% (as U^{IV}) <0.03 % Zinc (Zn) <0.001%		100 g 22. —	500 g 90. —	
94270	Uranyl nitrate puriss. p.a. $\text{UO}_2(\text{NO}_3)_2 \cdot 6\text{H}_2\text{O}$ $\text{N}_2\text{O}_6\text{U} \cdot 6\text{H}_2\text{O}$ M_r 502.13 [13520-83-7] Fluka-Guarantee: Assay >99.0 % Zinc (Zn) <0.001% Chloride (Cl) <0.005% Calcium (Ca) <0.005% Sulfate (SO_4) <0.005% Sodium (Na) <0.005% Copper (Cu) <0.001% Potassium (K) <0.005% Lead (Pb) <0.001% KMnO_4 reducing parts Iron (Fe) <0.001% (as U^{IV}) <0.06 %		100 g 22. —	500 g 90. —	



sFr.

sFr.

Urea (Carbamide) NH_2CONH_2 $\text{CH}_4\text{N}_2\text{O}$ M_r 60.06 [57-13-6]

51459 puriss. p.a.; M.P. 131.5-132.5° 250 g 7.— 1 kg 13.— 5 kg 55.—

Fluka-Guarantee:

Assay	>99.5 %	Iron (Fe)	<0.0002%
Ash (as SO_4)	<0.05 %	Zinc (Zn)	<0.0005%
Chloride (Cl)	<0.0005%	Calcium (Ca)	<0.0005%
Sulfate (SO_4)	<0.001 %	Sodium (Na)	<0.001 %
Copper (Cu)	<0.0005%	Potassium (K)	<0.0005%
Lead (Pb)	<0.0005%	Magnesium (Mg)	<0.0005%



51460 purum p.a. M.P. 130-132° 1 kg 8.— 5 kg 26.—

Fluka-Guarantee:

Assay	>99.0 %	Copper (Cu)	<0.005%
pH (5% solution in water, 20°C)	9.0-10.5	Lead (Pb)	<0.005%
Chloride (Cl)	<0.005%	Iron (Fe)	<0.005%
Sulfate (SO_4)	<0.005%	Zinc (Zn)	<0.005%
		Calcium (Ca)	<0.005%

51462 **Urea phosphate** purum 1 kg 20.— $\text{NH}_2\text{CONH}_2 \cdot \text{H}_3\text{PO}_4$ $\text{CH}_4\text{N}_2\text{O} \cdot \text{H}_3\text{PO}_4$ M_r 158.05 [4861-19-2]**Urease** (EC 3.5.1.5) [9002-13-5]

94280 >300 Sumner-U/g; Ash ~12%; Water ~10%; store in refrigerator 5 g 20.— 25 g 85.—

51464 **Urea sulfate** pract. 90% 1 kg 16.— $\text{NH}_2\text{CONH}_2 \cdot \text{H}_2\text{SO}_4$ $\text{CH}_4\text{N}_2\text{O} \cdot \text{H}_2\text{SO}_4$ M_r 158.13 [21351-39-3]**5-Ureido-hydantoin** see 05670 Allantoin94290 **Ureidosuccinic acid** pract. ~90%(T); M.P. ~175° dec.; Ash ~2% 1 g 15.— 5 g 63.— $\text{HOOCCH}_2\text{CH}(\text{NHCONH}_2)\text{COOH}$ $\text{C}_5\text{H}_8\text{N}_2\text{O}_5$ M_r 176.13 [923-37-5]**Urethane** (Carbamic acid ethylester; Ethyl carbamate; Ethylurethane) $\text{NH}_2\text{COOC}_2\text{H}_5$ $\text{C}_3\text{H}_7\text{NO}_2$ M_r 89.10 [51-79-6]

94300 purum Ph. Helv.; >99%(N); M.P. 48-50°; Ash <0.05% 250 g 8.— 1 kg 20.—

Urethylane see 21752 Methyl carbamate51449 **Uric acid** purum >98%(UV); Ash <0.05% (2,6,8-Trihydroxypurine) 25 g 16.— 100 g 55.— $\text{C}_5\text{H}_4\text{N}_4\text{O}_3$ M_r 168.11 [69-93-2]**Uricase** ex Pig Liver (EC 1.7.3.3) [9002-12-4]94312 powder lyophilized solubilized with Na_2CO_3 ; ~20 U/g; ~40 U/g Protein; containing catalase; store in refrigerator 250 mg 35.—**Uridine** (Uracil-1-β-D-ribofuranoside) $\text{C}_9\text{H}_{12}\text{N}_2\text{O}_6$ M_r 244.20 [58-96-8]94320 puriss. CHR; ~99%(UV); cryst. M.P. 163-167°; $[\alpha]_{540}^{20} + 12.0 \pm 1^\circ$; $[\alpha]_{\text{D}}^{20} + 9.5 \pm 1^\circ$ (c = 2 in water); store in refrigerator 5 g 10.— 25 g 35.—94330 **Uridine 5'-diphosphate Disodium salt**, 5'-UDP- Na_2 puriss. 100 mg 25.— 500 mg 105.— $\text{C}_9\text{H}_{12}\text{N}_2\text{Na}_2\text{O}_{12}\text{P}_2 \cdot 2\text{H}_2\text{O}$ M_r 484.16 [2781-45-0]**Uridine 3'(+2')-monophosphate Disodium salt** see 94410 Uridylic acid Disodium salt**Uridine 5'-monophosphate Disodium salt**, 5'-UMP- Na_2 $\text{C}_9\text{H}_{11}\text{N}_2\text{Na}_2\text{O}_9\text{P}$ M_r 368.15 [3387-36-8]94350 purum CHR; contains 5-15% water; $[\alpha]_{540}^{20} - 11 \pm 1^\circ$ (c = 1 in 0.5m Na_2HPO_4) 1 g 7.— 5 g 20.—**Uridine 3'-(+2')-monophosphoric acid** see 94390 Uridylic acid**Uridine 5'-triphosphate Trisodium salt**, 5'-UTP- HNa_3 $\text{C}_9\text{H}_{12}\text{N}_2\text{Na}_3\text{O}_{15}\text{P}_3 \cdot 2\text{H}_2\text{O}$ M_r 586.12 [19817-92-6]94370 purum contains 5-10% water; $[\alpha]_{540}^{20} - 7 \pm 1^\circ$ (c = 1 in water); store in refrigerator 250 mg 11.— 1 g 38.—**Uridylic acid**, U-3'(+2')-MP [Uridine 3'(+2')-monophosphoric acid] $\text{C}_9\text{H}_{13}\text{N}_2\text{O}_9\text{P} \cdot \text{H}_2\text{O}$ M_r 342.20 [84-53-7]94390 purum ~97%(UV); M.P. 200-205° dec.; $[\alpha]_{540}^{20} + 13 \pm 1^\circ$; $[\alpha]_{\text{D}}^{20} + 10 \pm 1^\circ$ (c = 1 in 0.5m Na_2HPO_4); store in refrigerator 100 mg 15.—

				sFr.	sFr.
	Uridylic acid Disodium salt (Uridine 3' (+ 2')-monophosphate Disodium salt)				
	$C_9H_{11}N_2Na_2O_8$ M_r 368.16 [35170-03-7]				
94410	purum >98%(NT); $[\alpha]_{546}^{20} + 9 \pm 1^\circ$ (c = 1 in 0.5m Na_2HPO_4)			1 g 35. —	
	Urotropine see 52710 Hexamethylenetetramine				
	Ursodeoxycholic acid UDCS (3 α ,7 β -Dihydroxy-5 β -cholanic acid)				
	$C_{24}H_{40}O_4$ M_r 392.58 [128-13-2]				
94465	puriss. >99%(T); M.P. 203-205° dec.; $[\alpha]_{546}^{20} + 71 \pm 2^\circ$; $[\alpha]_D^{20} + 60 \pm 2^\circ$ (c = 2 in Ethanol)			250 mg 17. —	1 g 60. —
	(-)-Usnic acid ex <i>Cladonia alpestris</i>				
	$C_{18}H_{16}O_7$ M_r 344.32 [6159-66-6]				
94470	purum M.P. 204-206°; $[\alpha]_{546}^{20} - 630 \pm 15^\circ$; $[\alpha]_D^{20} - 495 \pm 15^\circ$ (c = 0.7 in Chlf.)			5 g 34. —	25 g 145. —
	(+)-Usnic acid ex <i>Usnea dasypoga</i>				
	$C_{18}H_{16}O_7$ M_r 344.32 [7562-61-0]				
94480	puriss. M.P. 201-204°; $[\alpha]_{546}^{20} + 630 \pm 15^\circ$; $[\alpha]_D^{20} + 495 \pm 15^\circ$ (c = 0.7 in Chlf.)			5 g 15. —	25 g 63. —
	5'-UTP-HNa₃ see 94370 Uridine 5'-triphosphate Trisodium salt				
46185	Vacuum fat			250 g 7. —	1 kg 20. —
	n-Valeraldehyde (Aldehyde C_5 ; Pentanal)				
	3/1a; 4° $CH_3(CH_2)_3CHO$ $C_5H_{10}O$ M_r 86.14 [110-63-3]				
94510	puriss. stab. >99%(GC); <0.3% Valeric acid; B.P. 102-103°; d_4^{20} 0.809; n_D^{20} 1.394; store in refrigerator			1 lt $\approx$ 0.81 kg	250 ml 14. —
94512	purum >98%(GC); B.P. 100-103°; d_4^{20} 0.81; store in refrigerator			1 lt $\approx$ 0.81 kg	250 ml 9. —
	n-Valeric acid (Carboxylic acid C_5)				
	8/21; 96° $CH_3(CH_2)_3COOH$ $C_5H_{10}O_2$ M_r 102.14 [109-52-4]				
94530	puriss. >99%(GC); B.P. 110-111°; d_4^{20} 0.938; n_D^{20} 1.408			1 lt $\approx$ 0.94 kg	100 ml 12. —
94533	purum >98%(GC); B.P. 184-187°; d_4^{20} 0.938; n_D^{20} 1.408			1 lt $\approx$ 0.94 kg	250 ml 8. —
94550	n-Valeric anhydride purum >98%(NT); B.P. 228-230°; d_4^{20} 0.944; n_D^{20} 1.421			1 lt $\approx$ 0.94 kg	100 ml 15. —
	8/21; 99° $[CH_3(CH_2)_3CO]_2O$ $C_{10}H_{18}O_3$ M_r 186.25 [2082-59-9]				
	δ-Valerolactam (2-Piperidone)				
	$HN(CH_2)_4CO$ C_5H_9NO M_r 99.13 [675-20-7]				
94570	purum $\sim$ 97%(N); M.P. 35-38°; B.P. 81-82°; Ash <0.05%			25 g 22. —	100 g 80. —
94580	γ-Valerolactone purum >98%(GC); B.P. 82-85°; d_4^{20} 1.052; n_D^{20} 1.433			1 lt $\approx$ 1.05 kg	100 ml 28. —
	3/4; 96° $CH_3CHCH_2CH_2COO$ $C_5H_8O_2$ M_r 100.12 [108-29-2]				
	δ-Valerolactone				
	$CH_2(CH_2)_3OCO$ $C_5H_8O_2$ M_r 100.12 [542-28-9]				
94585	purum >98%(GC); M.P. -13--12°; B.P. 229-230° (Lit.); d_4^{20} 1.105; n_D^{20} 1.457; store in refrigerator			1 lt $\approx$ 1.11 kg	100 ml 45. —
	n-Valerone see 34720 5-Nonanone				
	n-Valeronitrile (Butyl cyanide; Nitrile C_5)				
	6.1/21; 34° $CH_3(CH_2)_3CN$ C_5H_9N M_r 83.14 [110-59-8]				
94590	purum $\sim$ 97%(GC); B.P. 139-141°; d_4^{20} 0.798; n_D^{20} 1.397			1 lt $\approx$ 0.80 kg	100 ml 25. —
94610	n-Valeroyl chloride purum >98%(Cl); B.P. 125-127°; d_4^{20} 1.001; n_D^{20} 1.420			1 lt $\approx$ 1.00 kg	100 ml 20. —
	8/22 $CH_3(CH_2)_3COCl$ C_5H_9ClO M_r 120.58 [638-29-9]				
	L-Valine (α -Aminoisovaleric acid)				
	$(CH_3)_2CHCH(NH_2)COOH$ $C_5H_{11}NO_2$ M_r 117.15 [72-18-4]				
94620	puriss. p.a. $[\alpha]_{546}^{20} + 32.5 \pm 0.5^\circ$; $[\alpha]_D^{20} + 27.0 \pm 0.5^\circ$ (c = 5 in 5n HCl)			25 g 10. —	100 g 32. —
	1 kg 255. —				
	Fluka-Guarantee:				
	Assay	>99.0%	Ammonium (NH_4)	<0.01 %	
	Other amino acids	<0.3 %	Copper (Cu)	<0.0001%	
	Loss on drying	<0.1 %	Lead (Pb)	<0.0001%	
	Residue on ignition (as SO_4)	<0.1 %	Iron (Fe)	<0.0005%	
	Chloride (Cl)	<0.01%	Zinc (Zn)	<0.0001%	
	Sulfate (SO_4)	<0.01%	Cadmium (Cd)	<0.0001%	



			sFr.	sFr.
94630	D-Valine puriss. CHR; ~99%(NT); $[\alpha]_{540}^{20} - 32.5 \pm 0.5^\circ$; $[\alpha]_{540}^{20} - 27.0 \pm 0.5^\circ$ (c = 5 in 5n HCl) (CH ₃) ₂ CHCH(NH ₂)COOH C ₆ H ₁₁ NO ₂ M _r 117.15 [640-68-6]		5 g 20. —	25 g 63. —
94640	DL-Valine puriss. CHR; >99%(NT); M.P. ~295-300° dec. (CH ₃) ₂ CHCH(NH ₂)COOH C ₆ H ₁₁ NO ₂ M _r 117.15 [516-06-3]	25 g 7. —	100 g 14. —	500 g 60. —
	L-Valine benzyl ester toluene-4-sulfonate (CH ₃) ₂ CHCH(NH ₂)COOCH ₂ C ₆ H ₅ .CH ₃ C ₆ H ₄ SO ₃ H C ₁₂ H ₁₇ NO ₂ .C ₇ H ₆ O ₃ S M _r 379.48 [16652-76-9]			
94651	puriss. M.P. 160-162°; $[\alpha]_{540}^{20} - 4.0 \pm 0.3^\circ$; $[\alpha]_{540}^{20} - 3.5 \pm 0.3^\circ$ (c = 3.2 in Methanol)		5 g 32. —	
	L-Valine tert-butyl ester Dibenzenesulfimide salt (CH ₃) ₂ CHCH(NH ₂)COOC(CH ₃) ₃ .C ₁₂ H ₁₁ NO ₄ S ₂ C ₉ H ₁₉ NO ₂ .C ₁₂ H ₁₁ NO ₄ S ₂ M _r 470.61 [13211-31-9] (free ester)			
94655	puriss. CHR; M.P. 127-129°; $[\alpha]_{540}^{20} + 35 \pm 1^\circ$; $[\alpha]_{540}^{20} + 29 \pm 1^\circ$ (c = 2 in Pyridine)		5 g 60. —	
	L-Valine methyl ester hydrochloride (CH ₃) ₂ CHCH(NH ₂)COOCH ₃ .HCl C ₆ H ₁₃ NO ₂ .HCl M _r 167.64 [6306-52-1]			
94670	puriss. >99%(Cl); M.P. 165-170° dec.; $[\alpha]_{540}^{20} + 28 \pm 1^\circ$; $[\alpha]_{540}^{20} + 23 \pm 1^\circ$ (c = 2 in Methanol)		5 g 16. —	25 g 67. —
	Valinomycin [(D-Val→L-Lac→Val→D-HyV) ₃] L-Lac: L-lactic acid D-HyV: D-αHydroxyisovaleric acid C ₅₄ H ₉₀ N ₆ O ₁₈ M _r 1111.36 [2001-95-8]			
94675	purum; Metabolite with a broad antibiotic spectrum, reviewed by: F. E. Hunter and L. S. Schwartz in "Antibiotics" Vol. 1, Gottlieb and Shaw, Eds. Springer Verlag, Berlin, 1967, pp. 631-635. Important research tool for membrane studies: A. D. Bangham, Chem. Phys. Lipids 8, 386 (1972) and for the preparation of K ⁺ -specific electrodes: U. Fiedler and J. Ruzicka, Anal. Chim. 67, 179 (1973)		10 mg 28. —	
94690	Vanadium puriss. >99.5% + <0.05% C + <0.01% H ₂ + <0.05% N ₂ + <0.05% O ₂ V A _r 50.94 [7440-62-2]		10 g 32. —	50 g 135. —
	Vanadium Ion Standard Solution FLUKA			
94693	1.000 g Vanadium/Liter/20°C; prepared from NH ₃ VO ₃ ; pH 0.6; adjusted with HNO ₃	1 lt ≈ 1.00 kg	500 ml 18. —	
	Vanadium(III) acetylacetonate V(C ₅ H ₇ O ₂) ₃ C ₁₅ H ₂₁ O ₆ V M _r 348.27 [13476-99-8]			
94700	pract. >95%(UV); M.P. 184-188°; 1 g clearly soluble in 10 ml Chloroform; oxidizes easily		25 g 18. —	100 g 65. —
94710	Vanadium(III) chloride purum >98%(Cl) (Vanadium trichloride) 6.1/74 VCl ₃ Cl ₃ V M _r 157.30 [7718-98-1]		25 g 20. —	100 g 70. —
	Vanadium dioxide see 94713 Vanadium(IV) oxide			
94715	Vanadium hexacarbonyl diethylene glycol dimethyl ether Sodium salt-complex pract. Na(C ₆ H ₁₄ O ₃) ₂ V(CO) ₆ C ₁₈ H ₂₈ NaO ₆ V M _r 414.35 [15531-13-2]		1 g 12. —	5 g 50. —
	Vanadium(IV) oxide (Vanadium dioxide) V ₂ O ₅ M _r 165.88 [12036-73-6]			
94713	pract. colour may change to brown upon oxidation		10 g 22. —	
94720	Vanadium(V) oxide purum >99% 6.1/74 V ₂ O ₅ O ₅ V ₂ M _r 181.88 [314-62-1]		100 g 12. —	500 g 50. —
94730	Vanadium(IV) oxide sulfate purum >98%(RT) 6.1/74 VOSO ₄ .5H ₂ O O ₅ SV.5H ₂ O M _r 253.08 [12439-96-2]		25 g 8. —	100 g 22. —
	Vanadiumoxy acetylacetonate see 94735 Vanadyl acetylacetonate			
	Vanadiumoxytrichloride see 94745 Vanadyl trichloride			
	Vanadium trichloride see 94710 Vanadium(III) chloride			
94735	Vanadyl acetylacetonate purum M.P. 260-262° (Vanadiumoxyacetylacetonate) OV(C ₅ H ₇ O ₂) ₂ C ₁₀ H ₁₄ O ₅ V M _r 265.16 [58271-97-9]		50 g 16. —	250 g 67. —
	Vanadyl trichloride (Vanadiumoxy trichloride) 8/11a VOCl ₃ Cl ₃ OV M _r 173.30 [7727-18-6]			
94745	pract. ~95%(Cl); d ₄ ²⁰ 1.826	1 lt ≈ 1.83 kg	25 ml 13. —	100 ml 45. —

			sFr.	sFr.
	Vanillic acid (4-Hydroxy-3-methoxybenzoic acid) $\text{CH}_3\text{OC}_6\text{H}_3(\text{OH})\text{COOH}$ $\text{C}_8\text{H}_8\text{O}_4$ M_r 168.15 [121-34-6]			
94770	purum >99%(T); M.P. 210-212°; Ash <0.05%; 1 g clearly soluble in 10 ml Dioxane	10 g 8. —	50 g 29. —	250 g 120. —
	o-Vanillic acid see 55545 2-Hydroxy-3-methoxybenzoic acid			
	Vanillic acid diethylamide purum >98%(N); M.P. 96-97°; 1 g clearly soluble in 10 ml Methanol $\text{CH}_3\text{OC}_6\text{H}_3(\text{OH})\text{CON}(\text{C}_2\text{H}_5)_2$ $\text{C}_{12}\text{H}_{17}\text{NO}_3$ M_r 223.27 [304-84-7]			
94780		10 g 10. —	50 g 37. —	
	Vanillin (4-Hydroxy-3-methoxybenzaldehyde) $\text{CH}_3\text{OC}_6\text{H}_3(\text{OH})\text{CHO}$ $\text{C}_8\text{H}_8\text{O}_3$ M_r 152.15 [121-33-5]			
94750	puriss. p.a. >99%(NT); M.P. 81-82°; 1 g clearly soluble in 10 ml Methanol	100 g 10. —	500 g 42. —	
	o-Vanillin (2-Hydroxy-3-methoxybenzaldehyde; 2-Hydroxy-m-anisaldehyde) $\text{CH}_3\text{OC}_6\text{H}_3(\text{OH})\text{CHO}$ $\text{C}_8\text{H}_8\text{O}_3$ M_r 152.15 [148-53-8]			
94760	puriss. CHR; >99%(T); M.P. 43-45°	25 g 14. —	100 g 50. —	
94762	purum M.P. 39-43°	100 g 12. —	500 g 50. —	
	Vanillin benzyl ether see 13720 4-Benzoyloxy-3-methoxybenzaldehyde			
	Vanillin methyl ether see 94860 Veratraldehyde			
	Vanillyl alcohol see 55570 4-Hydroxy-3-methoxybenzyl alcohol			
	o-Vanillyl alcohol see 55555 2-Hydroxy-3-methoxybenzyl alcohol			
	Vanillylamine hydrochloride (4-Hydroxy-3-methoxybenzylamine hydrochloride) $\text{CH}_3\text{OC}_6\text{H}_3(\text{OH})\text{CH}_2\text{NH}_2\cdot\text{HCl}$ $\text{C}_8\text{H}_{11}\text{NO}_2\cdot\text{HCl}$ M_r 189.64 [7149-10-2]			
94800	purum >98%(Cl); M.P. 216-219°	10 g 12. —	50 g 50. —	
	Vanillylmandelic acid see 55600 4-Hydroxy-3-methoxymandelic acid			
	Variamine Blue B salt [C.I. Nr. 37255] (Diazo-4-amino-4'-methoxydiphenylamine) $\text{CH}_3\text{OC}_6\text{H}_4\text{NHC}_6\text{H}_4\text{N}(\text{Cl})$ $\text{C}_{13}\text{H}_{12}\text{ClN}_3\text{O}$ M_r 261.71 [101-69-9]			
94820	Standard Fluka for Microscopy (Hist.)	25 g 10. —	100 g 32. —	
94830	Vaseline white DAB	1 kg 9. —		
	Veratraldehyde (3,4-Dimethoxybenzaldehyde; Vanillin methyl ether) $(\text{CH}_3\text{O})_2\text{C}_6\text{H}_3\text{CHO}$ $\text{C}_9\text{H}_{10}\text{O}_3$ M_r 166.18 [120-14-9]			
94860	purum >98%(T); M.P. 41-44°	100 g 15. —	500 g 63. —	
94872	Veratric acid purum >99%(T); M.P. 180-182°; Ash <0.05% (3,4-Dimethoxybenzoic acid) $(\text{CH}_3\text{O})_2\text{C}_6\text{H}_3\text{COOH}$ $\text{C}_9\text{H}_{10}\text{O}_4$ M_r 182.18 [93-07-2]	100 g 20. —	500 g 85. —	
	Veratrole (Pyrocatechol dimethyl ether; 1,2-Dimethoxybenzene) $\text{C}_6\text{H}_4(\text{OCH}_3)_2$ $\text{C}_8\text{H}_{10}\text{O}_2$ M_r 138.17 [91-16-7]			
94840	purum >98%(GC); M.P. 22-23°; B.P. 205-207°; d_4^{20} 1.085; n_D^{20} 1.534	1 lt $\approx$ 1.08 kg.	100 ml 9. —	500 ml 26. —
	Veratryl alcohol see 38700 3,4-Dimethoxybenzyl alcohol			
	Veratrylamine (3,4-Dimethoxybenzylamine) 8/35 $(\text{CH}_3\text{O})_2\text{C}_6\text{H}_3\text{CH}_2\text{NH}_2$ $\text{C}_9\text{H}_{13}\text{NO}_2$ M_r 167.21 [5763-61-1]			
94880	purum >97%(GC); B.P. 281-284°; d_4^{20} 1.126; n_D^{20} 1.555	1 lt $\approx$ 1.13 kg	10 ml 22. —	50 ml 90. —
	(1S)-cis-Verbenol (2-Pinen-4-ol) $\text{C}_{10}\text{H}_{16}\text{O}$ M_r 152.24 [18881-04-4]			
94879	purum >98%(GC); M.P. 71-72°; $[\alpha]_{540}^{20} - 12.5 \pm 0.5^\circ$; $[\alpha]_D^{20} - 10.0 \pm 0.5^\circ$ (c = 1 in Chloroform); store in refrigerator and protect against light	250 mg 29. —		
	(1R)-cis-Verbenol (2-Pinen-4-ol) $\text{C}_{10}\text{H}_{16}\text{O}$ M_r 152.24 [13040-03-4]			
94881	purum >98%(GC); M.P. 71-72°; $[\alpha]_{540}^{20} + 12.5 \pm 0.5^\circ$; $[\alpha]_D^{20} + 10.0 \pm 0.5^\circ$ (c = 1 in Chloroform); store in refrigerator and protect against light	250 mg 29. —		
94882	Verbenone purum; store in refrigerator and protect against light $\text{C}_{10}\text{H}_{14}\text{O}$ M_r 150.22 [80-57-9]	250 mg 29. —		
	Veronal see 31995 5,5-Diethylbarbituric acid			

				sFr.	sFr.
94883	Vestopal® 110 (Vestopal H) 3/3; 35°			250 g 12. —	1 kg 40. —
94885	Vestopal® 310 (Vestopal W) 3/3; 35°			250 g 12. —	1 kg 40. —
	Vesuvin see 14990 Bismark Brown G				
	Victoria Blue B [C.I. Nr. 44045; Sch. Nr. 822] 4-(CH ₃) ₂ NC ₆ H ₄ C(1-C ₁₀ H ₆ -4-NHC ₆ H ₅):C ₆ H ₄ -4-:N(Cl)(CH ₃) ₂ C ₃₃ H ₃₂ ClN ₃ M _r 506.10 [2580-56-5]				
94890	Standard Fluka for Microscopy (Bact., Hist.)			25 g 8. —	100 g 25. —
	Vinyl acetate 3/1a; -8° CH ₃ COOCH:CH ₂ C ₄ H ₆ O ₂ M _r 86.09 [108-05-4] purum >99%(GC); B.P. 71-73°; d ₄ ²⁰ 0.932; n _D ²⁰ 1.395; stab. with 0.015% Hydroquinone			1 lt ≈ 0.93 kg	1 lt 12. — 2.5 lt 26. —
	Vinylacetic acid (3-Butenoic acid) 8/21 CH ₂ :CHCH ₂ COOH C ₄ H ₆ O ₂ M _r 86.09 [625-38-7] pract. >95%(GC); B.P. 72-73°; d ₄ ²⁰ 1.010; n _D ²⁰ 1.423			1 lt ≈ 1.01 kg	25 ml 16. — 100 ml 55. —
	Vinylacetonitrile see 05900 Allyl cyanide				
	Vinylbenzene see 85959 Styrene				
	4-Vinylbenzenesulfonic acid Potassium salt CH ₂ :CHC ₆ H ₄ SO ₃ K C ₈ H ₇ KO ₃ S M _r 222.31 [4551-90-0] techn. >95%(T); 1 g clearly soluble in 10 ml water			50 g 29. —	
	Vinylbenzyl chloride 8/11a CH ₂ :CHC ₆ H ₄ CH ₂ Cl C ₉ H ₉ Cl M _r 152.63 [1592-20-7] techn. Mixture of isomers; d ₄ ²⁰ 1.084; n _D ²⁰ 1.572; stab with 50 ppm tert-Butylcatechol and 700-1000 ppm Nitromethane			1 lt ≈ 1.08 kg	100 ml 20. — 500 ml 85. —
	4-Vinylbiphenyl (4-Phenylstyrene) C ₆ H ₅ C ₆ H ₄ CH:CH ₂ C ₁₄ H ₁₂ M _r 180.25 [2350-89-2] purum >97%(GC); M.P. 114-118°; 1 g clearly soluble in 10 ml Methanol; store in refrigerator			5 g 40. —	
	Vinyl bromide (Bromoethylene) 2/3ct CH ₂ :CHBr C ₂ H ₃ Br M _r 106.96 [593-60-2] purum stab. with 0.1% Phenol			Cyl. with net 450 g	120. —
	Vinyl butyl ether see 20680 Butyl vinyl ether				
94920	9-Vinylcarbazole monomer purum >97%(UV); M.P. 63-65°; store in refrigerator C ₆ H ₄ N(CH:CH ₂)C ₆ H ₄ C ₁₄ H ₁₁ N M _r 193.25 [1484-13-5]			25 g 24. —	100 g 90. —
	Vinyl chloride puriss. >99.5%(GC) (Chloroethylene) CH ₂ :CHCl C ₂ H ₃ Cl M _r 62.50 [75-01-4]				
94931	2/11ct Human carcinogen	Pressure tin with 250 ml, net ~225 g	250 ml 35. — (Reg. valve 83547)		
94932	2/3ct Human carcinogen	Cyl. with 2.5 lt, net ~1.9 kg	400. — (price of gas 230. —)		
94934	2/3ct Human carcinogen	Cyl. with 7.0 lt, net ~5.5 kg	600. — (price of gas 350. —)		
	Vinyl cyanide see 01710 Acrylonitrile				
94940	Vinylcyclohexane purum >98%(GC); B.P. 126-129°; d ₄ ²⁰ 0.804; n _D ²⁰ 1.442 3/1a; 16° CH ₂ (CH ₂) ₄ CHCH:CH ₂ C ₈ H ₁₄ M _r 110.21 [695-12-5]	1 lt ≈ 0.80 kg	5 ml 17. —	25 ml 70. —	
	4-Vinyl-1-cyclohexene 3/1a; 16° CH ₂ CH:CHCH ₂ CH ₂ CHCH:CH ₂ C ₈ H ₁₂ M _r 108.18 [100-40-3] puriss. Standard for GC; >99.5%(GC); B.P. 129-131°; d ₄ ²⁰ 0.831; n _D ²⁰ 1.464; store in refrigerator	1 lt ≈ 0.83 kg	5 ml 20. —	25 ml 85. —	
94952	purum >98%(GC) + Cyclooctadiene; B.P. 128-131°; d ₄ ²⁰ 0.830; n _D ²⁰ 1.464; store in refrigerator	1 lt ≈ 0.83 kg	100 ml 12. —	500 ml 50. —	
	4-Vinylcyclohexene dioxide (ERL® 4206) O(C ₆ H ₉)CHCH ₂ O C ₈ H ₁₂ O ₂ M _r 140.18 [106-87-6] pract. for electromicroscopy; B.P. 230-232°; d ₄ ²⁰ 1.094; n _D ²⁰ 1.477	1 lt ≈ 1.09 kg	250 ml 17. —	1 lt 60. —	



			sFr.	sFr.
94959	Vinylcyclooctane puriss. ~99%; B.P. 186-188°; d_4^{20} 0.849; n_D^{20} 1.472 3/3; 55° $\text{CH}_2\text{:CHCH}(\text{CH}_2)_6\text{CH}_2$ $\text{C}_{10}\text{H}_{18}$ M_r 138.26	1 lt $\approx$ 0.85 kg	5 ml 21. —	25 ml 90. —
	Vinylene carbonate (1,3-Dioxol-2-one) OCH:CHOCHO $\text{C}_3\text{H}_2\text{O}_3$ M_r 86.05 [872-36-6] pract. ~95% (GC); M.P. 18-21°; B.P. 160-163°; d_4^{20} 1.370; n_D^{20} 1.427	1 lt $\approx$ 1.37 kg	10 ml 45. —	
94975	Vinylene trithiocarbonate (1,3-Dithiol-2-thione) SCH:CHSCS $\text{C}_3\text{H}_2\text{S}_3$ M_r 134.24 [930-35-8] purum >99% (GC); M.P. 48-50°; Key intermediate in TTF synthesis; Review: M. Narita, C. H. Pittmann, Synthesis 489 (1976)		1 g 18. —	5 g 75. —
95000	Vinylidene chloride (1,1-Dichloroethylene) 3/1a; -10° $\text{CH}_2\text{:CCl}_2$ $\text{C}_2\text{H}_2\text{Cl}_2$ M_r 96.94 [75-35-4] puriss. >99.5% (GC); B.P. 30-32°; d_4^{20} 1.209; n_D^{20} 1.426; stab. with 0.02% 4-Methoxy-phenol	1 lt $\approx$ 1.21 kg	250 ml 7. —	1 lt 20. —
95005	1-Vinylimidazole 3/4 $\text{CH}_2\text{:CHNCH:NCH:CH}$ $\text{C}_5\text{H}_6\text{N}_2$ M_r 94.12 [1072-63-5] purum >99% (GC); B.P. 188°; d_4^{20} 1.038; n_D^{20} 1.529	1 lt $\approx$ 1.04 kg	100 ml 18. —	
	Vinyl isobutyl ether see 58660 Isobutyl vinyl ether			
	Vinyl methyl ketone see 69690 3-Buten-2-one			
95020	1-Vinylnaphthalene $\text{C}_{10}\text{H}_7\text{CH:CH}_2$ $\text{C}_{12}\text{H}_{10}$ M_r 154.21 [826-74-4] techn. ~80-90% (GC); d_4^{20} 1.049; n_D^{20} 1.641; stab. with 0.01% 4-tert-Butylpyrocatechol; store in refrigerator	1 lt $\approx$ 1.05 kg	5 ml 20. —	25 ml 85. —
95030	2-Vinylnaphthalene $\text{C}_{10}\text{H}_7\text{CH:CH}_2$ $\text{C}_{12}\text{H}_{10}$ M_r 154.21 [827-54-3] techn. >80% (GC); M.P. 57-60°; stab. with 4-tert-Butylpyrocatechol; store in refrigerator		5 g 37. —	
	3-Vinylpropionic acid see 05950 Allylacetic acid			
95040	2-Vinylpyridine monomer 3/3; 48° $\text{N:CHCH:CHCH:CHCH:CH}_2$ $\text{C}_7\text{H}_7\text{N}$ M_r 105.14 [100-69-6] pract. >97% (GC); B.P. 48-51°; d_4^{20} 0.974; n_D^{20} 1.549; stab. with 0.1% tert-Butylpyrocatechol; store in refrigerator	1 lt $\approx$ 0.97 kg	100 ml 11. —	500 ml 46. —
95050	4-Vinylpyridine monomer 3/3; 48° $\text{N:CHCH:C(CH:CH}_2\text{)CH:CH}$ $\text{C}_7\text{H}_7\text{N}$ M_r 105.14 [100-43-6] pract. stab. ~96% (GC); B.P. 58-61°; d_4^{20} 0.984; n_D^{20} 1.549; store in refrigerator; Alkylating agent for sulfhydryl groups in amino acids and proteins: W. K. Anderson, A. E. Friedman, Can. J. Biochem. 49, 1042 (1971); J. F. Cavins, M. Friedman, Anal. Biochem. 35, 489 (1970)	1 lt $\approx$ 0.98 kg	250 ml 20. —	1 lt 70. —
95060	1-Vinyl-2-pyrrolidone 3/4; 98° $\text{CH}_2\text{:CHNCOCH}_2\text{CH}_2\text{CH}_2$ $\text{C}_6\text{H}_9\text{NO}$ M_r 111.16 [88-12-0] pract. ~97% (GC); B.P. 92-95°; d_4^{20} 1.045; n_D^{20} 1.511; stab. with Sodium hydroxide; store in refrigerator	1 lt $\approx$ 1.05 kg	250 ml 15. —	1 lt 40. —
43920	Vinyl sulfone (Divinyl sulfone) 8/22 $(\text{CH}_2\text{:CH})_2\text{SO}_2$ $\text{C}_4\text{H}_6\text{SO}_2$ M_r 118.16 [77-77-0] purum ~97% (GC); B.P. 102-105°; d_4^{20} 1.177; n_D^{20} 1.477	1 lt $\approx$ 1.18 kg	10 ml 20. —	50 ml 85. —
95061	Vinylsulfonic acid Sodium salt techn. ~30% in water; d_4^{20} 1.202 $\text{CH}_2\text{:CHSO}_3\text{Na}$ $\text{C}_2\text{H}_3\text{NaO}_3\text{S}$ M_r 130.10 [3039-83-6]	1 lt $\approx$ 1.20 kg	250 ml 12. —	1 lt 40. —
95070	Vinyltoluene (Methylstyrene) 3/4; 60° $\text{CH}_3\text{C}_6\text{H}_4\text{CH:CH}_2$ C_9H_{10} M_r 118.18 [622-97-9] purum ~60% meta- and ~40% para-Vinyltoluene; B.P. 169-172°; d_4^{20} 0.896; n_D^{20} 1.542; stab. with 10 ppm 4-tert-Butyl-pyrocatechol; store in refrigerator	1 lt $\approx$ 0.90 kg	1 lt 14. —	2.5 lt 31. —
	2-, 3- and 4-Vinyltoluene see 69180, 69191 and 69200 2-, 3- and 4-Methylstyrene			

			sFr.	sFr.
	Vinyltrichlorosilane (Trichlorovinylsilane)			
	8/23a; >10° CH ₂ :CHSiCl ₃ C ₂ H ₃ Cl ₃ Si M _r 161.49 [75-94-5]			
95090	pract. >97% (Cl); B.P. 88-92°; d ₄ ²⁰ 1.270; n _D ²⁰ 1.435		1 lt ≈ 1.27 kg	100 ml 12. — 500 ml 50. —
	Vinyltriethoxysilane (Triethoxyvinylsilane)			
	3/1a; 19° CH ₂ :CHSi(OC ₂ H ₅) ₃ C ₈ H ₁₈ O ₃ Si M _r 190.32 [78-08-0]			
95080	purum >98% (GC); B.P. 62-63° (Lit.); d ₄ ²⁰ 0.911; n _D ²⁰ 1.399		1 lt ≈ 0.91 kg	100 ml 12. — 500 ml 50. —
	Vinyltrimethylsilane (Trimethylvinylsilane)			
	3/1a; -24° CH ₂ :CHSi(CH ₃) ₃ C ₅ H ₁₂ Si M _r 100.24 [754-05-2]			
95100	purum >99% (GC); B.P. 55-57°; d ₄ ²⁰ 0.693; n _D ²⁰ 1.391; Review: E.W. Colvin, Chem. Soc. Rev. 7, 15 (1978); ethylene equivalent for bicyclo[n,3,0]enone synthesis: F. Cooke et al., Tetrahedron Lett. 1995 (1979)		1 lt ≈ 0.69 kg	10 ml 18. — 50 ml 75. —
	Vinyltriphenylphosphonium bromide see 93155 Triphenylvinylphosphonium bromide			
	Vinyltris(2-methoxyethoxy)silane [Tris(2-methoxyethoxy)vinylsilane]			
	3/4; 56° CH ₂ :CHSi(OCH ₂ CH ₂ OCH ₃) ₃ C ₁₁ H ₂₄ O ₆ Si M _r 280.40 [1067-53-4]			
95110	pract. B.P. 133° (Lit.); d ₄ ²⁰ 1.035; n _D ²⁰ 1.426		1 lt ≈ 1.04 kg	100 ml 18. — 500 ml 75. —
	Violuric acid (Alloxan-5-oxime; 5-Isonitrosobarbituric acid)			
	NHCONHCOC(:NOH)CO.H ₂ O C ₄ H ₃ N ₃ O ₄ .H ₂ O M _r 175.10 [87-39-8]			
95120	purum p.a. >97% (T); M.P. 240-250° dec.; Ash <0.1%; Z. anal. Chem. 261, 45 (1972); for spectrophotometr. determ. of Co		10 g 20. —	50 g 85. —
	Vitamins see "Coenzymes, Vitamins and Related Compounds" green section			
	Vitamin-A-acetate (Retinyl acetate)			
	(CH ₃) ₂ C(CH ₂) ₃ (CH ₃):C[CH:CHC(CH ₃):CH ₂] ₂ CH ₂ COCOCH ₃ C ₂₂ H ₃₂ O ₂ M _r 328.50 [127-49-9]			
95140	purum; 95% all-trans and <5% 13-cis-compound; M.P. 56-58°; product hydrolyses easily and may eventually contain some Vitamin-A-alcohol; store in refrigerator		25 g 12. —	100 g 40. —
	Vitamin-A-acid (Retinoic acid)			
	(CH ₃) ₂ C(CH ₂) ₃ C(CH ₃):C[CH:CHC(CH ₃):CH] ₂ COOH C ₂₀ H ₂₈ O ₂ M _r 300.44 [302-79-4]			
95152	puriss. 3.3 Mio I.U./g; 95% all trans- and <5% 13-cis-compound; M.P. 182-184°; store in refrigerator		1 g 75. —	
	Vitamin-A-alcohol [3,7-Dimethyl-9-(2,6,6-trimethyl-1-cyclohexenyl)-2,4,6,8-nonatetraen-1-ol; all-trans-Retinol]			
	(CH ₃) ₂ C(CH ₂) ₃ C(CH ₃):C[CH:CHC(CH ₃):CH] ₂ CH ₂ OH C ₂₀ H ₃₀ O M _r 286.46 [68-26-8]			
95144	puriss. 95% all-trans- and <5% 13-cis-compound; cryst. 3.3 Mio I.U./g; M.P. 54-58°; store in refrigerator		1 g 15. —	
	Vitamin-A-aldehyde (Retinal)			
	(CH ₃) ₂ C(CH ₂) ₃ C(CH ₃):C[CH:CHC(CH ₃):CH] ₂ CHO C ₂₀ H ₂₈ O M _r 284.45 [116-31-4]			
95142	puriss. M.P. 62-64°; 95% all-trans- and <5% 13-cis-compound; store in refrigerator		1 g 15. —	
	Vitamin-A-palmitate (Retinyl palmitate)			
	(CH ₃) ₂ C(CH ₂) ₃ C(CH ₃):C[CH:CHC(CH ₃):CH] ₂ CH ₂ OCO(CH ₂) ₁₄ CH ₃ C ₃₆ H ₆₀ O ₂ M _r 524.88 [79-81-2]			
95150	purum ~99% (UV); 1.75 Mio U/g; M.P. 25-28°; store in refrigerator		25 g 13. —	100 g 45. —
	Vitamin B see 72310 Nicotinic acid			
	Vitamin B₁ (Aneurine hydrochloride; Thiamine hydrochloride)			
	CH ₃ C:C(CH ₂ CH ₂ OH)SCH:N(Cl)CH ₂ C:CHN:C(CH ₃)N:C:NH ₂ .HCl C ₁₂ H ₁₇ ClN ₄ OS.HCl M _r 337.27 [59-43-8]			
95160	purum Ph. Eur.; M.P. 245-250° dec.; 3-5% water; store in refrigerator		25 g 8. —	100 g 25. —

			sFr.	sFr.
95170	Vitamin B₂ purum Ph. Eur.; M.P. 290-300° dec.; store in refrigerator (Lactoflavin; Riboflavin) $C_{17}H_{20}N_4O_6$ M_r 376.38 [83-88-5]		10 g 8. —	50 g 26. —
	Vitamin B₄ see 01830 Adenine			
	"Vitamin B₅" see 76210 D-Pantothenic acid			
	Vitamin B₆ (Adermine hydrochloride; Pyridoxine hydrochloride) $N:CHC(CH_2OH):C(CH_2OH)C(OH):CH_3.HCl$ $C_8H_{11}NO_3.HCl$ M_r 205.69 [65-23-6]			
95180	purum >98% (UV); Ph. Eur.; M.P. ~205-210° dec.; store in refrigerator	10 g 7. —	50 g 24. —	250 g 100. —
95190	Vitamin B₁₂ puriss. cryst. Ph. Eur.; store in refrigerator (Cyanocobalamine) $C_{63}H_{88}CoN_{14}O_{14}P$ M_r 1355.39 [68-19-9]		100 mg 8. —	1 g 50. —
95200	Vitamin B_{12b} puriss. cryst. B.P.; store in refrigerator (Hydroxocobalamine hydrochloride) $C_{62}H_{90}ClCoN_{13}O_{15}P$ M_r 1382.84 [13422-52-1]		250 mg 20. —	1 g 70. —
	Vitamin B₁₇ see 10050 Amygdalin			
	Vitamin B_T see 22020 (±)-Carnitine chloride			
	Vitamin C (Ascorbic acid) $HOCH_2CH(OH)CHC(OH):C(OH)COO$ $C_6H_8O_6$ M_r 176.13 [50-81-7]			
95210	puriss. p.a. Ph. Eur.; M.P. 190-194° dec.; 1 g clearly soluble in 10 ml water; $[\alpha]_{546}^{20} + 23.0 \pm 0.5^\circ$; $[\alpha]_D^{20} + 21.0 \pm 0.5^\circ$ (c = 10 in water)	50 g 7. —	250 g 22. —	1 kg 80. —
	Fluka-Guarantee:			
	Assay (RT) >99.5 %	Copper (Cu) <0.0005%		
	pH (5% solution in water, 20°C) 2.2-2.5	Lead (Pb) <0.0005%		
	Residue on ignition (as SO_4) <0.1 %	Iron (Fe) <0.0001%		
	Loss on drying <0.1 %	Zinc (Zn) <0.0005%		
	Chloride (Cl) <0.005%	Calcium (Ca) <0.001 %		
	Sulfate (SO_4) <0.005%	Cadmium (Cd) <0.0005%		
	Vitamin D₂ (Calciferol; Ergocalciferol; Ergosterol irradiated) $C_{28}H_{44}O$ M_r 396.66 [50-14-6]			
95220	puriss. cryst. >99% (HPLC); 40 Mio U/g; M.P. 114-116°; $[\alpha]_{546}^{20} + 124 \pm 3^\circ$; $[\alpha]_D^{20} + 105 \pm 3^\circ$ (c = 4 in Ethanol); store in refrigerator		1 g 11. —	5 g 44. —
	Vitamin D₃ (7-Dehydrocholesterol activated) $C_{27}H_{44}O$ M_r 384.65 [67-97-0]			
95230	purum cryst. >98% (HPLC); 40 Mio U/g; M.P. 83-85°; $[\alpha]_{546}^{20} + 128 \pm 2^\circ$; $[\alpha]_D^{20} + 110 \pm 2^\circ$ (c = 2 in Ethanol); $U_1^{1\%}_{cm}$ in C_2H_5OH at 265 nm >470; store in refrigerator		1 g 18. —	5 g 75. —
95240	Vitamin E purum >98% (UV); d_4^{20} 0.950; n_D^{20} 1.506; store in refrigerator (DL- α -Tocopherol) $C_{29}H_{50}O_2$ M_r 430.72 [59-02-9]		25 g 10. —	100 g 35. —
	Vitamin E see also 89550 (+)- α -Tocopherol natural			
	Vitamin-E-acetate (DL- α -Tocopheryl acetate) $C_{31}H_{52}O_3$ M_r 472.76 [58-95-7]			
95250	purum ~97% (UV); d_4^{20} 0.958; n_D^{20} 1.496; $E_1^{1\%}_{cm}$ 42-45 (285 nm); store in refrigerator		25 g 10. —	100 g 35. —
	Vitamin F [11006-87-4]			
95260	purum 250 000 Sh.L.U/g; S.Z. 192-202; I.Z. 184-193; V.Z. 195-205	1 lt $\approx$ 0.91 kg	100 ml 18. —	500 ml 75. —
	Vitamin H see 14400 (+)-Biotin			
95271	Vitamin K₁ purum ~98% (UV) (2-Methyl-3-phytyl-1,4-naphthoquinone; 3-Phytylmenadione) $C_{31}H_{46}O_2$ M_r 450.68 [84-80-0]		250 mg 8. —	1 g 18. —
	Vitamin K₃ see 67900 2-Methyl-1,4-naphthoquinone			
	Vitamin P see 84082 Rutin			
	Vitamin PP see 72340 Nicotinamide			
	Vitamin U see 64380 DL-Methionine-methylsulfonium bromide			
	Water-d₂ see 31239 Deuterium oxide			
	Water-¹⁸O (enriched) see 84760 Heavy oxygen			



			sFr.	sFr.
95290	Water Blue [C.I. Nr. 42755; Sch. Nr. 815] (Aniline Blue water soluble; Poirriers Blue; Methyl Blue) [28631-66-5] Standard Fluka Indicator pH 9.4-14.0; for Microscopy (Bot., Hist.)	25 g 10. —	100 g 35. —	500 g 145. —
	Weygands-ZTF-OH-Reagent see 56535 Benzyl N-(1-hydroxy-2,2,2-trifluoroethyl)carbamate			
86460	White spirit (compare also alkane mixtures) 3/3; 40° purum B.P. 150-190°; d_4^{20} 0.775-0.785; n_D^{20} 1.434	1 lt ≈ 0.78 kg	1 lt 8. —	2.5 lt 16. —
	Wilkinson's catalyst see 93403 Tris(triphenylphosphine)rhodium(I) chloride			
	"Wintergreen oil" see 84330 Methyl salicylate			
95430	Woods metal purum low melting alloy (72-74°)		100 g 13. —	500 g 55. —
95440	Woodwards Reagent K (2-Ethyl-5-phenylisoxazolium-3'-sulfonate) $QN^+(C_2H_5):CHCH:CC_6H_4SO_3^-$ $C_{11}H_{11}NO_4S$ M_r 253.28 [4156-16-5] purum >99%(T); M.P. 219-221° dec.; 1 g clearly soluble in 10 ml water; Modification of carboxylic groups in enzymes: J. L. Phillips, D. Azari, Biochemistry 10, 1160 (1971); P. Bodlaender, G. Feinstein, E. Shaw, ibid 8, 4941 (1969)		1 g 15. —	5 g 63. —
95450	Woodwards Reagent L (2-tert-Butyl-5-methylisoxazolium perchlorate) 5.1/4b $QC(CH_3):CHCH:N(CIO_4)C(CH_3)_3$ $C_8H_{14}ClNO_5$ M_r 239.66 [10513-45-8] purum for Peptide synthesis		5 g 42. —	
95480	Xanthene-9-carboxylic acid $C_8H_4OC_6H_4CHCOOH$ $C_{14}H_{10}O_3$ M_r 226.23 [82-07-5] purum >98%(T); M.P. 220-222°; Ash <0.1%; 1 g clearly soluble in 10 ml Methanol		10 g 11. —	50 g 44. —
95490	Xanthine puriss. CHR ~99%(N); M.P. >300° (2,6-Dihydroxypurine) $C_5H_4N_4O_2$ M_r 152.11 [69-89-6]		10 g 20. —	50 g 75. —
95500	Xanthone (9-Xanthenone) $C_8H_4OC_6H_4CO$ $C_{13}H_8O_2$ M_r 196.21 [90-47-1] puriss. p.a. >99%(UV); M.P. 174-176°; <0.3% Xanthene		10 g 12. —	50 g 50. —
95502	purum ~97%(UV); M.P. 172-174°; <0.5% Xanthene		25 g 10. —	100 g 32. —
95511	Xanthopterine purum (2-Amino-4,6-dihydroxypteridine) $C_6H_5N_5O_2 \cdot H_2O$ M_r 197.16 [5979-01-1]		250 mg 14. —	1 g 50. —
95560	Xanthotoxin (Ammoidin; Methoxsalen; 9-Methoxyfuro[3,2-g][1]benzopyran-7-one) $C_{12}H_8O_4$ M_r 216.20 [298-81-7] puriss. ~99%(HPLC); M.P. 146-148°; 1 g clearly soluble in 10 ml Dioxane		1 g 20. —	5 g 85. —
95570	Xanthurenic acid (4,8-Dihydroxyquinoline-2-carboxylic acid) $HOOC_6H_3N:C(COOH)CH:COH$ $C_{10}H_7NO_4$ M_r 205.17 [59-00-7] puriss. p.a. ~99%(T); M.P. 290-295° dec.; Control substance to indicate a lack of Vitamin B ₆		1 g 22. —	5 g 90. —
95580	Xanthydrol $C_8H_4OC_6H_4CHOH$ $C_{13}H_{10}O_2$ M_r 198.22 [90-46-0] puriss. p.a. ~99%(UV); M.P. 122-124°; Xanthone ~1%; 1 g clearly soluble in 10 ml Methanol; store in refrigerator; for Urea determination, Anal. Chem. 33, 314 (1961); for Phenol-determination, Z. analyt. Chem. 166, 387 (1959)	5 g 13. —	25 g 55. —	100 g 200. —
95582	3/5; 11° puriss. p.a. 10% in Methanol; store in refrigerator		100 ml 40. —	
95585	Xenon puriss. >99.99% 2/9 Xe A_r 131.30 [7440-63-3]		Ampoule of 1.5 lt 360. —	
95590	Xylan purum [9014-63-5]		10 g 11. —	50 g 46. —
95690	Xylene Mixture of Isomers 3/3; 25° $C_6H_4(CH_3)_2$ C_8H_{10} M_r 106.17 [1330-20-7] puriss. p.a. Ph. Helv.; B.P. 136-140°; d_4^{20} 0.865; n_D^{20} 1.496	1 lt ≈ 0.86 kg	1 lt 22. —	2.5 lt 26. —
95692	purum B.P. 137-143°; d_4^{20} 0.86; n_D^{20} 1.497	1 lt ≈ 0.86 kg	1 lt 10. —	2.5 lt 22. —
			2.5 lt 22. —	10 lt 50. —

				sFr.	sFr.
o-Xylene (1,2-Dimethylbenzene)					
	3/1a; 15°	C_8H_{10} M_r 106.17 [95-47-6]			
95660	puriss. Standard for GC; >99.5%(GC) + Traces m-Xylene + Ethyl methylbenzene + Isopropylbenzene; B.P. 143-144°; d_4^{20} 0.880; n_D^{20} 1.505		1 lt ≈ 0.88 kg	10 ml 30. —	50 ml 125. —
95662	puriss. p.a. M.P. -26--24°; B.P. 143-144°; d_4^{20} 0.881; n_D^{20} 1.505		1 lt ≈ 0.88 kg	1 lt 25. —	2.5 lt 55. —
Fluka-Guarantee:					
	Assay (GC)	>99.0 %	Copper (Cu)	<0.00001%	
	Residue on evaporation	<0.003 %	Lead (Pb)	<0.00001%	
	Cobalt (Co)	<0.00001%	Cadmium (Ca)	<0.00001%	
	Nickel (Ni)	<0.00001%	Zinc (Zn)	<0.00001%	
	Iron (Fe)	<0.00005%			
m-Xylene (1,3-Dimethylbenzene)					
	3/3; 25°	C_8H_{10} M_r 106.17 [108-38-3]			
95670	puriss. Standard for GC; >99.5%(GC) + Traces o-Xylene + p-Xylene; B.P. 137-138°; d_4^{20} 0.864; n_D^{20} 1.497		1 lt ≈ 0.86 kg	5 ml 24. —	25 ml 100. —
95672	puriss. p.a. >98.5%(GC); B.P. 137-138°; d_4^{20} 0.864; n_D^{20} 1.497		1 lt ≈ 0.86 kg	1 lt 22. —	2.5 lt 50. —
95673	purum >98%(GC); B.P. 136-138°; d_4^{20} 0.864; n_D^{20} 1.497		1 lt ≈ 0.86 kg	1 lt 16. —	5 lt 67. —
p-Xylene (1,4-Dimethylbenzene)					
	3/3; 38°	C_8H_{10} M_r 106.17 [106-42-3]			
95680	puriss. Standard for GC; >99.5%(GC) + Traces o- and m-Xylene + Ethylbenzene; M.P. 12-14°; B.P. 137-138°; d_4^{20} 0.861; n_D^{20} 1.495		1 lt ≈ 0.86 kg	10 ml 30. —	50 ml 125. —
95682	puriss. p.a. M.P. 12-14°; B.P. 137-138°; d_4^{20} 0.861; n_D^{20} 1.495		1 lt ≈ 0.86 kg	1 lt 16. —	2.5 lt 35. —
Fluka-Guarantee:					
	Assay (GC)	>99.0 %	Sodium (Na)	<0.00001 %	
	Residue on evaporation	<0.001 %	Iron (Fe)	<0.00001 %	
	Calcium (Ca)	<0.00001 %	Copper (Cu)	<0.000005%	
	Chromium (Cr)	<0.000005%	Lead (Pb)	<0.000005%	
	Manganese (Mn)	<0.000005%	Cadmium (Cd)	<0.000005%	
	Potassium (K)	<0.000005%	Zinc (Zn)	<0.00001 %	
95695	p-Xylenechromium tricarbonyl purum [Chromium(II) p-xylyl tricarbonyl]			1 g 20. —	5 g 85. —
	6/15	$(CH_3)_2C_6H_3Cr(CO)_3$ $C_{11}H_8CrO_3$ M_r 241.19			
Xylenecyanol FF [C.I. Nr. 43535; Sch. Nr. 828] (Cyanol FF)					
2-HO ₃ S-4-NaO ₃ S-5-HOC ₆ H ₂ C(C ₆ H ₃ -3-CH ₃ -4-NHC ₂ H ₅):C ₆ H ₃ -3-CH ₃ -4-NC ₂ H ₅ $C_{25}H_{27}N_2NaO_7S_2$ M_r 554.61 [2650-17-1]					
95600	Standard Fluka for Microscopy (Hist.); Redox-Indicator		10 g 7. —	50 g 13. —	250 g 55. —
m-Xylene-α,α'-diamine see 33421 α,α'-Diamino-m-xylene					
Xylenesulfonic acid Sodium salt (Dimethylbenzenesulfonic acid Sodium salt)					
$(CH_3)_2C_6H_3SO_3Na$ $C_8H_9NaO_3S$ M_r 208.21 [1300-72-7]					
95710	Mixture of Isomers techn.>98%(T)			1 kg 15. —	5 kg 63. —
asym.-m- and o-Xylenol see 41310 and 41360 2,4- and 3,4-Dimethylphenol					
vic.-m- and o-Xylenol see 41350 and 42300 2,6 and 2,3-Dimethylphenol					
sym.-m-Xylenol see 41380 3,5-Dimethylphenol					
p-Xylenol see 41330 2,5-Dimethylphenol					
p-Xylenol Blue (p-Xylenolsulfonphthalein)					
$C_{23}H_{22}O_5S$ M_r 410.49 [125-31-5]					
95610	Standard Fluka Indicator pH 1.2-2.8/pH 8.0-9.6			1 g 7. —	5 g 20. —
Xylenol Orange [o-Cresolsulfonphthalein-3',3''-bis(methyliminodiacetic acid Sodium salt)]					
$C_{31}H_{36}N_2O_{13}S$ (as acid) M_r 670.64 [1611-35-4]					
95615	Standard Fluka; Metal indicator for Complexometry; R. Pribil, Complexometry I, 141, 79 (1960)			1 g 7. —	5 g 21. —
95620	p-Xylenolphthalein Standard Fluka (2',5',2'',5''-Tetramethylphenolphthalein)			1 g 18. —	5 g 75. —
$C_{24}H_{22}O_4$ M_r 374.44 [50984-88-8]					



sFr.

sFr.

p-Xylenolsulfonphthalein see 95610 p-Xylenol Blue**asym.-m- and o-Xylidine** see 39480 and 39540 2,4- and 3,4-Dimethylaniline**vic.-m- and o-Xylidine** see 39520 and 39460 2,6- and 2,3-Dimethylaniline**sym.-m-Xylidine** see 39550 3,5-Dimethylaniline**p-Xylidine** see 39500 2,5-Dimethylaniline**Xylidine Ponceau 2 R** see 81465 Ponceau Xylidine

Xylidyl Blue I {4-Hydroxy-3-[2-hydroxy-3-(2,4-dimethylphenylaminocarbonyl)-1-naphthylazo]benzenesulfonic acid Sodium salt}
 $(\text{CH}_3)_2\text{C}_6\text{H}_3\text{NHCOC}_{10}\text{H}_5(\text{OH})\text{N}:\text{NC}_6\text{H}_3(\text{OH})\text{SO}_3\text{Na}$ $\text{C}_{25}\text{H}_{20}\text{N}_3\text{NaO}_6\text{S}$ M_r 513.51
 [36505-52-9]

95640 Standard Fluka Indicator for Complexometry 1 g 8.— 5 g 26.—

Xylidyl Blue II see 63150 Magon**Xylite** $\text{HOCH}_2(\text{CHOH})_3\text{CH}_2\text{OH}$ $\text{C}_5\text{H}_{12}\text{O}_5$ M_r 152.15 [87-99-0]

95649 puriss. p.a. pyrogene free; M.P. 94-96°; Loss on drying <0.5%; pH of aqueous solution (1 g in 10 ml) 5-7; Arsenic <0.0003%; Heavy metals <0.0005%;

Ash <0.05%; 1 g clearly soluble in 10 ml Methanol

100 g 20.— 500 g 85.—

95650 purum M.P. 92-95°; Ash <0.2%; loss on drying <1%

100 g 8.— 500 g 29.—

L(-)-Xylose $\text{QCH}_2(\text{CHOH})_3\text{CHOH}$ $\text{C}_5\text{H}_{10}\text{O}_5$ M_r 150.13 [609-06-3]

95720 puriss. p.a. for Bacteriology; $[\alpha]_{\text{D}}^{20} \xrightarrow{10\text{h}} -23.5 \pm 1^\circ$; $[\alpha]_{\text{D}}^{20} \xrightarrow{10\text{h}} -20.0 \pm 1^\circ$
 (c = 10 in water); 1 g clearly and colourless soluble in 10 ml water

1 g 8.— 5 g 29.—

Fluka-Guarantee:

Loss on drying <0.5 % Cadmium (Cd) <0.0001 %

Residue on ignition Zinc (Zn) <0.0001 %

(as SO_4) <0.1 % Iron (Fe) <0.0005 %

Chloride (Cl) <0.005 % Cobalt (Co) <0.0001 %

Sulfate (SO_4) <0.005 % Nickel (Ni) <0.0001 %

Copper (Cu) <0.0001% Arsenic (As) <0.00001%

Lead (Pb) <0.0001%

**D(+)-Xylose** $\text{QCH}_2(\text{CHOH})_3\text{CHOH}$ $\text{C}_5\text{H}_{10}\text{O}_5$ M_r 150.13 [58-86-6]

95730 puriss. p.a. for Bacteriology; $[\alpha]_{\text{D}}^{20} \xrightarrow{10\text{h}} +23.5 \pm 1^\circ$; $[\alpha]_{\text{D}}^{20} \xrightarrow{10\text{h}} +20.0 \pm 1^\circ$
 (c = 10 in water); 1 g clearly and colourless soluble in 10 ml water

25 g 7.— 100 g 15.— 500 g 63.—

Fluka-Guarantee:

Loss on drying <0.20 % Cadmium (Cd) <0.0001 %

Residue on ignition Zinc (Zn) <0.0001 %

(as SO_4) <0.1 % Iron (Fe) <0.0005 %

Chloride (Cl) <0.005 % Cobalt (Co) <0.0001 %

Sulfate (SO_4) <0.005 % Nickel (Ni) <0.0001 %

Copper (Cu) <0.0001% Arsenic (As) <0.00001%

Lead (Pb) <0.0001%



95731 purum 250 g 18.— 1 kg 65.—

DL-Xylose $\text{QCH}_2(\text{CHOH})_3\text{CHOH}$ $\text{C}_5\text{H}_{10}\text{O}_5$ M_r 150.13 [41247-05-6]

95740 purum >99%(C,H-Analysis); M.P. 133-136°; 1 g clearly and colourless soluble
 in 10 ml water

5 g 24.— 25 g 100.—

p-Xylylamine see 65890 4-Methylbenzylamine**o- and p-Xylyl bromide** see 18770 and 18790 α -Bromo-o- and -p-xylene**m- and o-Xylyl chloride** see 26661 and 26650 α -Chloro-m- and o-xylene**m-Xylylenediamine** see 33421 α,α -Diamino-m-xylene**o-, m- and p-Xylylene dibromide** see 34420, 34430 and 34440 α,α' -Dibromo-o-, -m- and -p-xylene

		sFr.	sFr.
	o-Xylylene dicyanide [1,2-Bis(cyanomethyl)benzene; o-Phenylenediacetonitrile] 6.1/21 $C_6H_4(CH_2CN)_2$ $C_{10}H_8N_2$ M_r 156.19 [613-73-0] 95750 purum >97%(T); M.P. 57-59°	10 g 22. —	50 g 90. —
	o-, m- and p-Xylylene dichloride see 36570, 36580 and 36568 α, α' -Dichloro-o-, -m- and -p-xylene		
	m-Xylylene diisocyanate 6.1/21; 42° $C_6H_4(CH_2NCO)_2$ $C_{10}H_8N_2O_2$ M_r 188.19 [3634-83-1] 95755 purum >98%(GC); B.P. _{0.02} 88-90°; d_4^{20} 1.202; n_D^{20} 1.451	1 lt $\approx$ 1.20 kg	1 ml 12. — 5 ml 50. —
	asym.-o-Xylylic acid see 39590 3,4-Dimethylbenzoic acid		
	sym.-m-Xylylic acid see 39600 3,5-Dimethylbenzoic acid		
	p-Xylylic acid see 39583 2,5-Dimethylbenzoic acid		
	asym.-m-Xylylic acid see 39582 2,4-Dimethylbenzoic acid		
	vic.-o- and m-Xylylic acid see 39581 and 39585 2,3- and 2,6-Dimethylbenzoic acid		
	vic.-m-Xylylisocyanide see 41413 2,6-Dimethylphenylisocyanide		
51480	Yeast Extract powder for Microbiology	100 g 13. —	500 g 55. —
	δ-Yohimbine see 05080 Ajmalicine		
95770	Ytterbium purum 99.9% + 0.1% Tm + Traces Lu + Er Yb A_r 173.04 [7440-64-4]	1 g 18. —	5 g 75. —
95780	Ytterbium oxide puriss. 99.9 + 0.1% Tm_2O_3 + Traces Lu_2O_3 + Er_2O_3 Yb_2O_3 O_3Yb_2 M_r 394.08 [1314-37-0]	5 g 21. —	
	Yttrium Y A_r 88.91 [7440-65-5]		
95799	puriss. 99.9% powder <100 mesh; Tantal-free; other rare earth metals <0.02%; other rare earth <0.1%	5 g 46. —	
95800	puriss. 99.9% Crumbs; other rare earth metals <0.1%; Ta 0.1%; other metals 0.03%	5 g 46. —	
95810	Yttrium chloride puriss. from Y 99.9% $YCl_3 \cdot 6H_2O$ $Cl_3Y \cdot 6H_2O$ M_r 303.36 [10025-94-2]	10 g 22. —	50 g 90. —
95820	Yttrium nitrate puriss. from Y 99.9% $Y(NO_3)_3 \cdot 3H_2O$ $N_3O_9Y \cdot 3H_2O$ M_r 328.97 [13470-40-1]	10 g 22. —	50 g 90. —
	Yttrium oxide Y_2O_3 O_3Y_2 M_r 225.81 [1314-36-9]		
95832	puriss. 99.999%	5 g 26. —	
95833	puriss. 99.98% + 0.0062 Dy_2O_3 + <0.0005% Ho_2O_3	10 g 11. —	50 g 44. —
95834	puriss. 99.9% + 0.1% Dy_2O_3 + Traces Tb_4O_7	10 g 10. —	50 g 40. —
	Z-L-alanine $CH_3CH(NHCOOCH_2C_6H_5)COOH$ $C_{11}H_{13}NO_4$ M_r 223.23 [1142-20-7] 95850 puriss. CHR >99%(T); M.P. 84-85°; $[\alpha]_{540}^{20} - 17.5 \pm 0.5^\circ$; $[\alpha]_D^{20} - 14.5 \pm 0.5^\circ$ (c = 4 in Acetic acid)	5 g 29. —	25 g 120. —
	Z-L-alanine 4-nitrophenyl ester $CH_3CH(NHCOOCH_2C_6H_5)COOC_6H_4NO_2$ $C_{17}H_{16}N_2O_6$ M_r 344.33 [1168-87-2] 95871 puriss. CHR; M.P. 75-76°; $[\alpha]_{540}^{20} - 65 \pm 2^\circ$ (c = 2 in Methanol); store in refrigerator	1 g 12. —	5 g 50. —
	Z-L-alanyl-L-alanine $CH_3CH(NHCOOCH_2C_6H_5)CONHCH(CH_3)COOH$ $C_{14}H_{18}N_2O_6$ M_r 294.31 [16012-70-7] 95880 puriss. CHR; >99%(T); M.P. 151-153°; $[\alpha]_{540}^{20} - 41 \pm 2^\circ$; $[\alpha]_D^{20} - 34 \pm 2^\circ$ (c = 2 in CH_3OH)	1 g 25. —	5 g 105. —
	Z-L-alanyl-glycine $C_6H_5CH_2OCONHCH(CH_3)CONHCH_2COOH$ $C_{13}H_{16}N_2O_6$ M_r 280.29 [3235-17-4] 95885 puriss. CHR; $\sim$ 99%(T); M.P. 125-127°; $[\alpha]_{540}^{20} - 20 \pm 1^\circ$; $[\alpha]_D^{20} - 17 \pm 1^\circ$ (c = 5 in Ethanol)	1 g 25. —	5 g 105. —

		sFr.	sFr.
	Z-L-alanyl-L-phenylalanine $\text{CH}_3\text{CH}(\text{NHCOOCH}_2\text{C}_6\text{H}_5)\text{CONHCH}(\text{CH}_2\text{C}_6\text{H}_5)\text{COOH}$ $\text{C}_{20}\text{H}_{22}\text{N}_2\text{O}_5$ M_r 370.41 [2768-53-8]		
95920	puriss. CHR >99%(T); M.P. 128-129°; $[\alpha]_{546}^{20} + 16 \pm 1^\circ$; $[\alpha]_D^{20} + 13 \pm 1^\circ$ (c = 2 in Ethanol)	1 g 25. —	5 g 105. —
	Nα-Z-L-arginine $\text{HN}:\text{C}(\text{NH}_2)\text{NH}(\text{CH}_2)_3\text{CH}(\text{NHCOOCH}_2\text{C}_6\text{H}_5)\text{COOH}$ $\text{C}_{14}\text{H}_{20}\text{N}_4\text{O}_4$ M_r 308.34 [1234-35-1]		
95930	puriss. ~97%(T) + ~3% water; M.P. 171-174°; $[\alpha]_{546}^{20} - 11.0 \pm 1^\circ$; $[\alpha]_D^{20} - 9.0 \pm 1^\circ$ (c = 5 in HCl); store in refrigerator	5 g 18. —	25 g 75. —
	Nα,Nδ,Nω-tri-Z-L-arginine $\text{C}_6\text{H}_5\text{CH}_2\text{OCONHC}(\text{:NH})\text{N}(\text{COOCH}_2\text{C}_6\text{H}_5)\text{CH}_2\text{CH}_2\text{CH}_2\text{CH}(\text{NHCOOCH}_2\text{C}_6\text{H}_5)\text{COOH}$ $\text{C}_{30}\text{H}_{32}\text{N}_4\text{O}_8$ M_r 576.61 [14611-34-8]		
95935	puriss. M.P. 134-138° dec.; $[\alpha]_{546}^{20} + 19.5 \pm 1^\circ$; $[\alpha]_D^{20} + 16.0 \pm 1^\circ$ (c = 1 in Chlf.); dec. easily; store in refrigerator	1 g 40. —	5 g 170. —
	Z-L-asparagine $\text{NH}_2\text{COCH}_2\text{CH}(\text{NHCOOCH}_2\text{C}_6\text{H}_5)\text{COOH}$ $\text{C}_{12}\text{H}_{14}\text{N}_2\text{O}_5$ M_r 266.26 [2304-96-3]		
95940	puriss. ~99%(T); M.P. 164-166°; $[\alpha]_{546}^{20} + 7 \pm 0.5^\circ$; $[\alpha]_D^{20} + 6 \pm 0.5^\circ$ (c = 1 in Acetic acid)	5 g 18. —	25 g 75. —
	Z-L-aspartic acid $\text{HOOCCH}_2\text{CH}(\text{NHCOOCH}_2\text{C}_6\text{H}_5)\text{COOH}$ $\text{C}_{12}\text{H}_{13}\text{NO}_6$ M_r 267.24 [1152-61-0]		
95970	puriss. CHR; >99%(T); M.P. 115-118°; $[\alpha]_{546}^{20} + 10.0 \pm 0.5^\circ$; $[\alpha]_D^{20} + 8.8 \pm 0.5^\circ$ (c = 2 in Acetic acid)	5 g 14. —	25 g 60. —
	Z-L-aspartic acid 4-tert-butyl ester $(\text{CH}_3)_3\text{COCOCH}_2\text{CH}(\text{NHCOOCH}_2\text{C}_6\text{H}_5)\text{COOH}$ $\text{C}_{16}\text{H}_{21}\text{NO}_6$ M_r 323.35 [5545-52-8]		
95989	puriss. >99%(T); M.P. 55-57°; $[\alpha]_{546}^{20} - 3.5 \pm 0.3^\circ$; $[\alpha]_D^{20} - 2.6 \pm 0.3^\circ$ (c = 1.5 in Methanol)	1 g 30. —	5 g 125. —
	Z-L-aspartic acid 4-tert-butyl-1-hydroxysuccinimide ester $(\text{CH}_3)_3\text{COCOCH}_2\text{CH}(\text{NHCOOCH}_2\text{C}_6\text{H}_5)\text{COONCOCH}_2\text{CH}_2\text{CO}$ $\text{C}_{20}\text{H}_{24}\text{N}_2\text{O}_8$ M_r 420.42 [3338-32-7]		
95991	puriss. ~99%(N); M.P. 150-152°; $[\alpha]_{546}^{20} - 24 \pm 1^\circ$; $[\alpha]_D^{20} - 21 \pm 1^\circ$ (c = 1 in Dioxane); store in refrigerator	1 g 32. —	5 g 135. —
	N-Z,S-benzyl-L-cysteine $\text{C}_6\text{H}_5\text{CH}_2\text{SCH}_2\text{CH}(\text{NHCOOCH}_2\text{C}_6\text{H}_5)\text{COOH}$ $\text{C}_{18}\text{H}_{19}\text{NO}_4\text{S}$ M_r 345.42 [3257-18-9]		
96000	puriss. >99%(T); M.P. 96-98°; $[\alpha]_{546}^{20} - 56 \pm 2^\circ$; $[\alpha]_D^{20} - 47 \pm 2^\circ$ (c = 1 in Acetic acid); Ash <0.05%	1 g 9. —	5 g 32. —
	N-Z,O-benzyl-L-tyrosine hydroxysuccinimide ester $\text{C}_6\text{H}_5\text{CH}_2\text{OC}_6\text{H}_4\text{CH}_2\text{CH}(\text{NHCOOCH}_2\text{C}_6\text{H}_5)\text{COONCOCH}_2\text{CH}_2\text{CO}$ $\text{C}_{28}\text{H}_{26}\text{N}_2\text{O}_7$ M_r 502.53 [52773-66-7]		
96009	puriss. CHR; M.P. 146-148°; store in refrigerator	1 g 20. —	5 g 85. —
	N-Z,O-benzyl-L-tyrosine 4-nitrophenyl ester $\text{C}_6\text{H}_5\text{CH}_2\text{OC}_6\text{H}_4\text{CH}_2\text{CH}(\text{NHCOOCH}_2\text{C}_6\text{H}_5)\text{COOC}_6\text{H}_4\text{NO}_2$ $\text{C}_{30}\text{H}_{26}\text{N}_2\text{O}_7$ M_r 526.55 [3562-03-6]		
96010	puriss. M.P. 148-150°; $[\alpha]_{546}^{20} - 9.1 \pm 1^\circ$; $[\alpha]_D^{20} - 0.00 \pm 1^\circ$ (c = 1.6 in DMF); store in refrigerator	1 g 20. —	5 g 85. —
	N-Z,O-tert-butyl-L-hydroxyproline Dicyclohexylamine salt $\text{C}_6\text{H}_5\text{CH}_2\text{OCONCH}_2\text{CH}[\text{OC}(\text{CH}_3)_3]\text{CH}_2\text{CHCOOH} \cdot \text{C}_{12}\text{H}_{23}\text{N}$ $\text{C}_{17}\text{H}_{23}\text{NO}_5 \cdot \text{C}_{12}\text{H}_{23}\text{N}$ M_r 502.70		
96020	puriss. ~99%(N); M.P. 158-159°; $[\alpha]_{546}^{20} - 10.0 \pm 0.5^\circ$; $[\alpha]_D^{20} - 8.8 \pm 0.5^\circ$ (c = 1 in Methanol)	1 g 30. —	5 g 125. —
	N-Z,O-tert-butyl-L-serine Dicyclohexylamine salt $(\text{CH}_3)_3\text{COCH}_2\text{CH}(\text{NHCOOCH}_2\text{C}_6\text{H}_5)\text{COOH} \cdot \text{C}_{12}\text{H}_{23}\text{N}$ $\text{C}_{15}\text{H}_{21}\text{NO}_5 \cdot \text{C}_{12}\text{H}_{23}\text{N}$ M_r 476.66 [1676-75-1] (free acid)		
96030	puriss. >99%(NT); M.P. 147-148°; $[\alpha]_{546}^{20} + 26 \pm 2^\circ$; $[\alpha]_D^{20} + 22 \pm 1^\circ$ (c = 1 in Ethanol)	1 g 30. —	5 g 125. —

		sFr.	sFr.
	N-Z,O-tert-butyl-L-threonine Dicyclohexylamine salt (CH ₃) ₃ COCH(CH ₃)CH(NHCOOCH ₂ C ₆ H ₅)COOH.C ₁₂ H ₂₃ N C ₁₆ H ₂₃ NO ₅ .C ₁₂ H ₂₃ N M _r 490.70 [16966-07-7]		
96040	puriss. CHR ~99%(N); M.P. 143-146°; [α] ₅₄₆ ²⁰ +9.5±0.5°; [α] _D ²⁰ +8.5±0.5° (c = 1.2 in Ethanol)	1 g 30. —	5 g 125. —
	N-Z,O-tert-butyl-L-tyrosine Dicyclohexylamine salt (CH ₃) ₃ COC ₆ H ₄ CH ₂ CH(NHCOOCH ₂ C ₆ H ₅)COOH.C ₁₂ H ₂₃ N C ₂₁ H ₂₅ NO ₅ .C ₁₂ H ₂₃ N M _r 552.76 [16879-90-6]		
96050	puriss. ~98%(N); M.P. 158-160°; [α] ₅₄₆ ²⁰ +39±1°; [α] _D ²⁰ +32±1° (c = 2 in Ethanol)	1 g 28. —	5 g 120. —
	N,S-di-Z-L-cysteine C ₆ H ₅ CH ₂ OCOSCH ₂ CH(NHCOOCH ₂ C ₆ H ₅)COOH C ₁₉ H ₁₉ NO ₆ S M _r 389.43 [57912-35-3]		
96060	puriss. CHR >99%(N); M.P. 96-98°; [α] ₅₄₆ ²⁰ -37±2°; [α] _D ²⁰ -31±2° (c = 2 in Acetic acid)	1 g 20. —	5 g 85. —
96080	di-Z-L-cystine puriss. HOOCCH(NHCOOCH ₂ C ₆ H ₅)CH ₂ SSCH ₂ CH(NHCOOCH ₂ C ₆ H ₅)COOH C ₂₂ H ₂₄ N ₂ O ₈ S ₂ M _r 508.57 [6968-11-2]	1 g 10. —	5 g 42. —
	Z-L-glutamic acid HOOCCH ₂ CH ₂ CH(NHCOOCH ₂ C ₆ H ₅)COOH C ₁₃ H ₁₅ NO ₆ M _r 281.27 [1155-62-0]		
96120	puriss. CHR >99%(T); M.P. 118-120°; [α] ₅₄₆ ²⁰ -9.0±0.3°; [α] _D ²⁰ -7.5±0.3° (c = 4 in Acetic acid)	10 g 12. —	50 g 50. —
	Z-L-glutamic acid 5-tert-butyl ester (CH ₃) ₃ COCOCH ₂ CH ₂ CH(NHCOOCH ₂ C ₆ H ₅)COOH C ₁₇ H ₂₃ NO ₆ M _r 337.38 [3886-08-6]		
96129	puriss. >99%(T); M.P. 85-87°; [α] ₅₄₆ ²⁰ -16±1°; [α] _D ²⁰ -14±1° (c = 1 in Methanol)	1 g 30. —	5 g 125. —
	Z-L-glutamic acid 5-tert-butyl ester Dicyclohexylamine salt (CH ₃) ₃ COCOCH ₂ CH ₂ CH(NHCOOCH ₂ C ₆ H ₅)COOH.C ₁₂ H ₂₃ N C ₁₇ H ₂₃ NO ₆ .C ₁₂ H ₂₃ N M _r 518.70 [3967-21-3]		
96130	puriss. >99%(NT); M.P. 139-141°; [α] ₅₄₆ ²⁰ +8.0±0.5°; [α] _D ²⁰ +6.8±0.5° (c = 2 in Methanol)	1 g 25. —	5 g 105. —
	Z-L-glutamic acid 5-tert-butyl-1-hydroxysuccinimide ester (CH ₃) ₃ COCOCH ₂ CH ₂ CH(NHCOOCH ₂ C ₆ H ₅)COONCOCH ₂ CH ₂ CO C ₂₁ H ₂₆ N ₂ O ₈ M _r 434.45 [4666-16-4]		
96131	puriss. >99%(N); M.P. 105-107°; [α] ₅₄₆ ²⁰ -39±1°; [α] _D ²⁰ -33±1° (c = 1 in Methanol); store in refrigerator	1 g 30. —	5 g 125. —
	Z-L-glutamine NH ₂ COCH ₂ CH ₂ CH(NHCOOCH ₂ C ₆ H ₅)COOH C ₁₃ H ₁₆ N ₂ O ₅ M _r 280.28 [2650-64-8]		
96100	puriss. ~99%(T); M.P. 134-138°; [α] ₅₄₆ ²⁰ -8.0±0.5°; [α] _D ²⁰ -6.8±0.5° (c = 2 in Ethanol)	5 g 18. —	25 g 75. —
	Z-L-glutamine 4-nitrophenyl ester NH ₂ COCH ₂ CH ₂ CH(NHCOOCH ₂ C ₆ H ₅)COOC ₆ H ₄ NO ₂ C ₁₉ H ₁₉ N ₃ O ₇ M _r 401.38 [7763-16-8]		
96111	puriss. CHR >99%(N); M.P. 151-153°; [α] ₅₄₆ ²⁰ -28.0±0.5°; [α] _D ²⁰ -23.5±0.5° (c = 2 in DMF); store in refrigerator	1 g 25. —	5 g 105. —
	Z-L-glutamyl-L-tyrosine HOOCCH ₂ CH ₂ CH(NHCOOCH ₂ C ₆ H ₅)CONHCH(CH ₂ C ₆ H ₄ OH)COOH C ₂₂ H ₂₄ N ₂ O ₈ M _r 444.44 [988-75-0]		
96150	puriss. p.a. Substrate for Pepsin determination; >99%(T); M.P. 185-187°; [α] ₅₄₆ ²⁰ +20±1°; [α] _D ²⁰ +16±1° (c = 2 in Ethanol)	1 g 30. —	5 g 125. —
	Z-glycine C ₆ H ₅ CH ₂ OCONHCH ₂ COOH C ₁₀ H ₁₁ NO ₄ M _r 209.20 [1138-80-3]		
96160	puriss. CHR; >99%(T); M.P. 119-120°; Ash <0.05%; 1 g clearly soluble in 10 ml Methanol	10 g 9. —	50 g 32. —

		sFr.	sFr.
96170	Z-glycinamide puriss. CHR; M.P. 136-138° $C_6H_5CH_2OCONHCH_2CONH_2$ $C_{10}H_{12}N_2O_3$ M_r 208.22 [949-90-6]	5 g 29.—	
96180	Z-glycine-hydrazide puriss. M.P. 114-115° $C_6H_5CH_2OCONHCH_2CONHNH_2$ $C_{10}H_{13}N_3O_3$ M_r 223.23 [5680-83-1]	1 g 12.—	5 g 50.—
96181	Z-glycine 4-nitrophenyl ester puriss. CHR >99%(N); M.P. 124-127°; store in refrigerator $C_6H_5CH_2OCONHCH_2COOC_6H_4NO_2$ $C_{16}H_{14}N_2O_6$ M_r 330.30 [1738-86-9]	1 g 18.—	5 g 75.—
	Z-glycine hydroxysuccinimide ester $C_6H_5CH_2OCONHCH_2COONCOCH_2CH_2CO$ $C_{14}H_{14}N_2O_6$ M_r 306.28 [2899-60-7]		
96182	puriss. CHR >99%(N); M.P. 111-113° dec.; store in refrigerator	1 g 12.—	5 g 50.—
96190	Z-glycyl-L-alanine puriss. CHR; M.P. 131-133°; $[\alpha]_D^{20} - 9.5 \pm 0.5^\circ$ (c = 4.4 in Ethanol) $C_6H_5CH_2OCONHCH_2CONHCH(CH_3)COOH$ $C_{13}H_{16}N_2O_5$ M_r 280.28 [3079-63-8]	1 g 20.—	5 g 85.—
	Z-glycyl-L-isoleucine $C_6H_5CH_2OCONHCH_2CONHCH[CH(CH_3)CH_2CH_3]COOH$ $C_{16}H_{22}N_2O_5$ M_r 322.36 [20807-11-8]		
96220	puriss. >99%(N); M.P. 118-119°; $[\alpha]_{546}^{20} + 16.5 \pm 0.5^\circ$; $[\alpha]_D^{20} + 14.0 \pm 0.5^\circ$ (c = 5 in Ethanol)	1 g 40.—	5 g 170.—
	Z-glycyl-L-leucine $C_6H_5CH_2OCONHCH_2CONHCH[CH_2CH(CH_3)_2]COOH$ $C_{16}H_{22}N_2O_5$ M_r 322.36 [1421-69-8]		
96230	puriss. CHR ~99%(T); M.P. 142-143°; $[\alpha]_{546}^{20} - 11.5 \pm 0.5^\circ$; $[\alpha]_D^{20} - 9.5 \pm 0.5^\circ$ (c = 2 in Ethanol)	1 g 35.—	5 g 145.—
	Z-glycyl-L-methionine $C_6H_5CH_2OCONHCH_2CONHCH(CH_2CH_2SCH_3)COOH$ $C_{15}H_{20}N_2O_5S$ M_r 340.40 [3561-48-6]		
96250	puriss. CHR; M.P. 111.5-113.5°; $[\alpha]_{546}^{20} + 5.7 \pm 0.5^\circ$ (c = 2 in Ethanol)	1 g 20.—	5 g 85.—
	Z-glycyl-L-phenylalanine $C_6H_5CH_2OCONHCH_2CONHCH(CH_2C_6H_5)COOH$ $C_{19}H_{20}N_2O_5$ M_r 356.38 [1170-76-9]		
96260	puriss. CHR; >99%(T); M.P. 125-126°; $[\alpha]_{546}^{20} + 49 \pm 1^\circ$; $[\alpha]_D^{20} + 40 \pm 1^\circ$ (c = 2.5 in Ethanol)	1 g 20.—	5 g 85.—
96270	Z-glycyl-L-proline puriss. CHR; M.P. 155-156°; $[\alpha]_D^{20} - 68 \pm 2^\circ$ (c = 2.5 in abs. Ethanol) $C_6H_5CH_2OCONHCH_2CON(CH_2)_3CHCOOH$ $C_{15}H_{18}N_2O_5$ M_r 306.32 [1160-54-9]	1 g 20.—	5 g 85.—
96280	Z-glycyl-L-valine puriss. CHR; M.P. 109-111° $C_6H_5CH_2OCONHCH_2CONHCH[CH(CH_3)_2]COOH$ $C_{15}H_{20}N_2O_5$ M_r 308.34 [33912-87-7]	1 g 20.—	5 g 85.—
	Nα-Z-L-histidine $NHCH:NCH:CH_2CH(NHCOOCH_2C_6H_5)COOH$ $C_{14}H_{15}N_3O_4$ M_r 289.29 [14997-58-1]		
96290	puriss. CHR >99%(T); M.P. ~160° dec.; $[\alpha]_{546}^{20} - 28 \pm 1^\circ$; $[\alpha]_D^{20} - 23 \pm 1^\circ$ (c = 6 in 6n HCl)	1 g 14.—	5 g 60.—
	Z-L-hydroxyproline $C_6H_5CH_2OCONCH_2CH(OH)CH_2CHCOOH$ $C_{13}H_{15}NO_5$ M_r 265.27 [13504-85-3]		
96310	puriss. CHR >99%(T); M.P. 105-107°; $[\alpha]_{546}^{20} - 64 \pm 1^\circ$; $[\alpha]_D^{20} - 54 \pm 1^\circ$ (c = 2 in Ethanol)	5 g 24.—	25 g 100.—
	Zinc Zn A_r 65.37 [7440-66-6]		
96450	puriss. sticks >99.999%	25 g 20.—	100 g 70.—
96452	puriss. p.a. granular >98%	250 g 8.—	1 kg 25.—
96453	puriss. p.a. powder >98%	250 g 7.—	1 kg 18.—
96451	purum wool; diameter 0.2 mm	250 g 14.—	1 kg 50.—
96454	purum powder	1 kg 15.—	5 kg 63.—
96455	Zinc (Coating quality BALZERS) 99.999%; Sticks, diameter 8 mm	100 g 40.—	500 g 150.—

				sFr.	sFr.
Zinc Ion Standard Solution FLUKA					
96457	1.000 g Zinc/Liter/20°C; prepared from Zn(NO ₃) ₂ ; pH 1.5 adjusted with HNO ₃		1 lt ≈ 1.00 kg	500 ml 18. —	
96458	Zinc acetate purum p.a. DAB Zn(CH ₃ COO) ₂ ·2H ₂ O C ₄ H ₆ O ₄ Zn·2H ₂ O M _r 219.49 [5970-45-6]			500 g 8. —	1 kg 13. —
	Fluka-Guarantee:				
	Assay >98.0 %	Sulfate (SO ₄) <0.01 %			
	pH (5% solution in water, 20°C) 6.0-7.0	Copper (Cu) <0.005%			
	Chloride (Cl) <0.005%	Lead (Pb) <0.005%			
		Iron (Fe) <0.005%			
96465	Zinc bromide anhydrous purum p.a. ZnBr ₂ Br ₂ Zn M _r 225.19 [7699-45-8]			250 g 16. —	1 kg 55. —
	Fluka-Guarantee:				
	Assay >98.0 %	Iron (Fe) <0.005%			
	Sulfate (SO ₄) <0.005%	Lead (Pb) <0.005%			
	Copper (Cu) <0.005%				
96466	Zinc carbonate basic pract. ~95%(T) (Zinc hydroxide carbonate) 2ZnCO ₃ ·3Zn(OH) ₂ M _r 548.91 [5970-47-8]			1 kg 12. —	
96470	Zinc chloride purum p.a. powder; Ph. Eur. ZnCl ₂ Cl ₂ Zn M _r 136.29 [7646-85-7]		500 g 8. —	1 kg 14. —	5 kg 60. —
	Fluka-Guarantee:				
	Assay >98.0 %	Iron (Fe) <0.005%			
	Sulfate (SO ₄) <0.005%	Lead (Pb) <0.005%			
	Copper (Cu) <0.005%				
96475	Zinc cyanide purum p.a. 6.1/31a Zn(CN) ₂ C ₂ N ₂ Zn M _r 117.40 [557-21-1]			250 g 8. —	1 kg 22. —
	Fluka-Guarantee:				
	Assay (as Zn) 54.5-55.5%	Lead (Pb) <0.005%			
	Chloride (Cl) <0.001%	Iron (Fe) <0.005%			
	Sulfate (SO ₄) <0.005%	Calcium (Ca) <0.005%			
	Copper (Cu) <0.005%				
96480	Zinc dimethyldithiocarbamate pract. M.P. 248-250° (CH ₃) ₂ NCSSZnSCSN(CH ₃) ₂ C ₆ H ₁₂ N ₂ S ₄ Zn M _r 305.80			250 g 10. —	1 kg 35. —
96481	Zinc fluoride pract. ~97%(T) 6.1/81f ZnF ₂ M _r 103.37 [7783-49-5]			250 g 8. —	1 kg 25. —
Zinc hydroxide carbonate see 96466 Zinc carbonate basic					
96482	Zinc nitrate purum p.a. cryst. 5.1/7 Zn(NO ₃) ₂ ·6H ₂ O N ₂ O ₆ Zn·6H ₂ O M _r 297.47 [10196-18-6]			500 g 8. —	1 kg 14. —
	Fluka-Guarantee:				
	Assay >98.0 %	Lead (Pb) <0.005%			
	Chloride (Cl) <0.01 %	Iron (Fe) <0.005%			
	Sulfate (SO ₄) <0.005%	Calcium (Ca) <0.005%			
	Copper (Cu) <0.005%				
Zincon Disodium salt {2-[5-(2-Hydroxy-5-sulfophenyl)-3-phenyl-1-formazyl]benzoic acid Disodium salt} 5-SO ₃ Na-2-HOC ₆ H ₃ N:NC(C ₆ H ₅):NNHC ₆ H ₄ -2-COONa C ₂₀ H ₁₄ N ₄ Na ₂ O ₆ S M _r 484.40 [135-52-6] (free acid)					
96440	p.a. M.P. ~250-260° dec.; for the spectrophotometric determination of Cu and Zn in animal tissue; Anal. Chem. 30, 1345 (1958)			1 g 10. —	5 g 42. —
96484	Zinc oxide purum p.a. Ph. Eur. ZnO OZn M _r 81.37 [1314-13-2]			1 kg 13. —	5 kg 55. —
	Fluka-Guarantee:				
	Assay >99.0 %	Lead (Pb) <0.005%			
	Chloride (Cl) <0.005%	Iron (Fe) <0.005%			
	Sulfate (SO ₄) <0.01 %	Calcium (Ca) <0.005%			
	Copper (Cu) <0.005%				
96485	Zinc selenide (Coating quality BALZERS) 99.99%; Mesh size 1.5-3.5 mm 6.1/81h			10 g 40. —	100 g 250. —

			sFr.	sFr.
96486	Zinc selenite pract. ~95% 6.1/81h $\text{ZnSeO}_3 \cdot \text{O}_3\text{SeZn}$ M_r 192.34 [13597-46-1]		100 g 20.—	
96500	Zinc sulfate puriss. p.a. $\text{ZnSO}_4 \cdot 7\text{H}_2\text{O}$ $\text{O}_4\text{SZn} \cdot 7\text{H}_2\text{O}$ M_r 287.54 [7446-20-0]		250 g 7.—	1 kg 16.—
	Fluka-Guarantee:			
	Assay >99.5 %	Iron (Fe) <0.0005 %		
	pH (5% solution in water 20°C) 4.4-6.0	Manganese (Mn) <0.0003 %		
	Chloride (Cl) <0.0005%	Arsenic (As) <0.00005%		
	Total nitrogen (N) <0.002 %	Magnesium (Mg) <0.001 %		
	Lead (Pb) <0.001 %	Calcium (Ca) <0.001 %		
	Copper (Cu) <0.0005%	Sodium (Na) <0.001 %		
	Cadmium (Cd) <0.0005%	Potassium (K) <0.001 %		
96501	purum >98% (T)		1 kg 8.—	
96510	Zinc sulfide purum powder >98% ZnS SZn M_r 97.43 [1314-98-3]		1 kg 10.—	
	Zinc sulfide (Coating quality BALZERS)			
96512	99%; Mesh size 3.5-5.0 mm		100 g 130.—	
96513	99%; Tablets, 4 mm high		100 g 85.—	
96514	99%; Tablets, 6 mm high		100 g 85.—	
96515	Zinc telluride (Coating quality BALZERS) 99.99%; Mesh size 0.7-3.5 mm 6.1/75		10 g 40.—	100 g 280.—
96570	Zirconium purum powder ~97% under Methanol; for electronic use; may ignite spontaneously 3/5; 11° Zr A_r 91.22 [7440-67-7]		50 g 37.—	
96571	Zirconium (Coating quality BALZERS) 99.5%; Mesh size 0.7-5.0 mm		10 g 40.—	100 g 240.—
96580	Zirconium acetylacetonate purum ~98% (UV); M.P. 191-195° $\text{Zr}(\text{C}_5\text{H}_7\text{O}_2)_4$ $\text{C}_{20}\text{H}_{28}\text{O}_8\text{Zr}$ M_r 487.66 [17501-44-9]		100 g 25.—	500 g 105.—
	Zirconium(IV) chloride see 96600 Zirconium tetrachloride			
96590	Zirconium hydride purum 98.5%; Fe <0.05% 4.3/2b ZrH_2 H_2Zr M_r 93.24 [7704-99-6]		25 g 21.—	100 g 75.—
96592	Zirconium nitrate techn. powder; spray dried 5.1/7 $\text{Zr}(\text{NO}_3)_4 \cdot 5\text{H}_2\text{O}$ $\text{N}_4\text{O}_{12}\text{Zr} \cdot 5\text{H}_2\text{O}$ M_r 429.32 [13746-89-9]		100 g 20.—	500 g 85.—
96594	Zirconium oxide techn.; Mixture $\text{ZrO}_2 + \text{HfO}_2$ 99% ZrO_2 O_2Zr M_r 123.22 [1314-23-4]		250 g 8.—	1 kg 25.—
	Zirconium oxychloride see 96610 Zirconyl chloride			
96595	Zirconium propylate techn. d_4^{20} 1.058; n_D^{20} 1.454 3/1a; 22° $(\text{C}_3\text{H}_7\text{O})_4\text{Zr}$ $\text{C}_{12}\text{H}_{28}\text{O}_4\text{Zr}$ M_r 327.58 [23519-77-9]	1 lt ≈ 1.06 kg	100 ml 30.—	500 ml 125.—
96600	Zirconium tetrachloride pract. >98% (Cl); sublimates at 300° [Zirconium(IV)-chloride] 8/12 ZrCl_4 Cl_4Zr M_r 233.03 [10026-11-6]		250 g 17.—	1 kg 60.—
96610	Zirconyl chloride techn. (Zirconium oxychloride) 8/12 $\text{ZrOCl}_2 \cdot 6\text{H}_2\text{O}$ $\text{Cl}_2\text{OZr} \cdot 6\text{H}_2\text{O}$ M_r 286.22 [25399-81-9]		250 g 24.—	1 kg 90.—
96620	Z-L-isoleucine Dicyclohexylamine salt puriss. M.P. 159-160° $\text{CH}_3\text{CH}_2\text{CH}(\text{CH}_3)\text{CH}(\text{NHCOOCH}_2\text{C}_6\text{H}_5)\text{COOH} \cdot \text{C}_{12}\text{H}_{23}\text{N}$ $\text{C}_{14}\text{H}_{19}\text{NO}_4 \cdot \text{C}_{12}\text{H}_{23}\text{N}$ M_r 446.64 [3160-59-6] (free acid)		5 g 18.—	25 g 75.—
96621	Z-L-isoleucine hydroxysuccinimide ester puriss. CHR; M.P. 111-112°; store in refrigerator $\text{CH}_3\text{CH}_2\text{CH}(\text{CH}_3)\text{CH}(\text{NHCOOCH}_2\text{C}_6\text{H}_5)\text{CONCOCH}_2\text{CH}_2\text{CO}$ $\text{C}_{18}\text{H}_{22}\text{N}_2\text{O}_6$ M_r 362.28 [3391-99-9]		1 g 16.—	5 g 67.—
	Z-L-isoleucine 4-nitrophenyl ester $\text{CH}_3\text{CH}_2\text{CH}(\text{CH}_3)\text{CH}(\text{NHCOOCH}_2\text{C}_6\text{H}_5)\text{COOC}_6\text{H}_4\text{NO}_2$ $\text{C}_{20}\text{H}_{22}\text{N}_2\text{O}_6$ M_r 386.41 [2130-99-6]			
96630	puriss. CHR; M.P. 58-60°; $[\alpha]_D^{20} -16 \pm 1^\circ$ (c = 2 in DMF); store in refrigerator		5 g 32.—	
96640	Z-L-isoleucyl-L-alanine purum M.P. 149-157°; $[\alpha]_D^{20} -29.5^\circ$ (c = 2 in Methanol) $\text{CH}_3\text{CH}_2\text{CH}(\text{CH}_3)\text{CH}(\text{NHCOOCH}_2\text{C}_6\text{H}_5)\text{CONHCH}(\text{CH}_3)\text{COOH}$ $\text{C}_{17}\text{H}_{24}\text{N}_2\text{O}_5$ M_r 336.39 [24787-83-5]		250 mg 14.—	1 g 50.—



		sFr.	sFr.
96650	Z-L-isoleucyl-glycine purum M.P. 140-144°; $[\alpha]_D^{20} - 21.5^\circ$ (c = 2 in Methanol) $\text{CH}_3\text{CH}_2\text{CH}(\text{CH}_3)\text{CH}(\text{NHCOOCH}_2\text{C}_6\text{H}_5)\text{CONHCH}_2\text{COOH}$ $\text{C}_{16}\text{H}_{22}\text{N}_2\text{O}_5$ M_r 322.36 [13254-04-1]	1 g 30. —	5 g 125. —
96660	Z-L-isoleucyl-glycyl-glycine purum M.P. 175-177°; $[\alpha]_D^{20} - 5.5^\circ$ (c = 2 in Methanol) $\text{CH}_3\text{CH}_2\text{CH}(\text{CH}_3)\text{CH}(\text{NHCOOCH}_2\text{C}_6\text{H}_5)\text{CONHCH}_2\text{CONHCH}_2\text{COOH}$ $\text{C}_{18}\text{H}_{25}\text{N}_3\text{O}_6$ M_r 379.42	1 g 25. —	5 g 105. —
96670	Z-L-isoleucyl-L-isoleucine purum M.P. 116-121°; $[\alpha]_D^{20} - 14.8 \pm 1^\circ$ (c = 2 in Methanol) $\text{CH}_3\text{CH}_2\text{CH}(\text{CH}_3)\text{CH}(\text{NHCOOCH}_2\text{C}_6\text{H}_5)\text{CONHCH}[\text{CH}(\text{CH}_3)\text{CH}_2\text{CH}_3]\text{COOH}$ $\text{C}_{20}\text{H}_{30}\text{N}_2\text{O}_5$ M_r 378.47 [42538-01-2]	250 mg 14. —	1 g 50. —
96680	Z-L-isoleucyl-L-methionine purum M.P. 145-148°; $[\alpha]_D^{20} - 24.5 \pm 1^\circ$ (c = 2 in Methanol) $\text{CH}_3\text{CH}_2\text{CH}(\text{CH}_3)\text{CH}(\text{NHCOOCH}_2\text{C}_6\text{H}_5)\text{CONHCH}(\text{CH}_2\text{CH}_2\text{SCH}_3)\text{COOH}$ $\text{C}_{19}\text{H}_{28}\text{N}_2\text{O}_5\text{S}$ M_r 396.51	1 g 35. —	5 g 145. —
96690	Z-L-isoleucyl-L-phenylalanine purum M.P. 180-181°; $[\alpha]_D^{20} - 15.8 \pm 1^\circ$ (c = 2 in Methanol) $\text{CH}_3\text{CH}_2\text{CH}(\text{CH}_3)\text{CH}(\text{NHCOOCH}_2\text{C}_6\text{H}_5)\text{CONHCH}(\text{CH}_2\text{C}_6\text{H}_5)\text{COOH}$ $\text{C}_{23}\text{H}_{28}\text{N}_2\text{O}_5$ M_r 412.49 [13254-07-4]	1 g 35. —	5 g 145. —
96700	Z-L-isoleucyl-L-valine purum M.P. 126-130°; $[\alpha]_D^{20} - 22.5 \pm 1^\circ$ (c = 2 in Methanol) $\text{CH}_3\text{CH}_2\text{CH}(\text{CH}_3)\text{CH}(\text{NHCOOCH}_2\text{C}_6\text{H}_5)\text{CONHCH}[\text{CH}(\text{CH}_3)_2]\text{COOH}$ $\text{C}_{19}\text{H}_{28}\text{N}_2\text{O}_5$ M_r 364.44 [41487-00-7]	1 g 35. —	5 g 145. —
96710	Z-L-leucine purum ~97% (T); $[\alpha]_{546}^{20} - 20.0 \pm 2^\circ$; $[\alpha]_D^{20} - 17.5 \pm 2^\circ$ (c = 2 in Ethanol) $(\text{CH}_3)_2\text{CHCH}_2\text{CH}(\text{NHCOOCH}_2\text{C}_6\text{H}_5)\text{COOH}$ $\text{C}_{14}\text{H}_{19}\text{NO}_4$ M_r 265.31 [2018-66-8]	10 g 25. —	50 g 105. —
96731	Z-L-leucine hydroxysuccinimide ester puriss. CHR; store in refrigerator $(\text{CH}_3)_2\text{CHCH}_2\text{CH}(\text{NHCOOCH}_2\text{C}_6\text{H}_5)\text{CONCOCH}_2\text{CH}_2\text{CO}$ $\text{C}_{18}\text{H}_{22}\text{N}_2\text{O}_6$ M_r 362.38	1 g 12. —	5 g 50. —
	Z-L-leucine 4-nitrophenyl ester $(\text{CH}_3)_2\text{CHCH}_2\text{CH}(\text{NHCOOCH}_2\text{C}_6\text{H}_5)\text{COOC}_6\text{H}_4\text{NO}_2$ $\text{C}_{20}\text{H}_{22}\text{N}_2\text{O}_6$ M_r 386.41 [1738-87-0]		
96740	puriss. CHR; M.P. 94-95°; $[\alpha]_{546}^{20} - 41 \pm 1^\circ$; $[\alpha]_D^{20} - 34 \pm 1^\circ$ (c = 2 in DMF); store in refrigerator	5 g 32. —	25 g 135. —
	Z-L-leucyl-L-alanine $(\text{CH}_3)_2\text{CHCH}_2\text{CH}(\text{NHCOOCH}_2\text{C}_6\text{H}_5)\text{CONHCH}(\text{CH}_3)\text{COOH}$ $\text{C}_{17}\text{H}_{24}\text{N}_2\text{O}_5$ M_r 336.40		
96750	puriss. CHR M.P. 147-152°; $[\alpha]_{546}^{20} - 29 \pm 1^\circ$ (c = 2.6 in Ethanol)	1 g 18. —	5 g 75. —
	Z-L-leucyl-glycine $(\text{CH}_3)_2\text{CHCH}_2\text{CH}(\text{NHCOOCH}_2\text{C}_6\text{H}_5)\text{CONHCH}_2\text{COOH}$ $\text{C}_{16}\text{H}_{22}\text{N}_2\text{O}_5$ M_r 322.36 [2706-38-9]		
96760	puriss. CHR >99% (T); M.P. 115-117°; $[\alpha]_{546}^{20} - 30 \pm 1^\circ$; $[\alpha]_D^{20} - 26 \pm 1^\circ$ (c = 2 in Ethanol)	1 g 20. —	5 g 85. —
96780	Z-L-leucyl-glycyl-L-leucine benzyl ester puriss. CHR $(\text{CH}_3)_2\text{CHCH}_2\text{CH}(\text{NHCOOCH}_2\text{C}_6\text{H}_5)\text{CONHCH}_2\text{CONHCH}[\text{CH}_2\text{CH}(\text{CH}_3)_2]\text{COOCH}_2\text{-}$ C_6H_5 $\text{C}_{29}\text{H}_{39}\text{N}_3\text{O}_6$ M_r 525.65	250 mg 31. —	
96790	Z-L-leucyl-L-isoleucine purum M.P. ~102°; $[\alpha]_D^{20} - 11.5 \pm 1^\circ$ (c = 1 in Ethanol) $(\text{CH}_3)_2\text{CHCH}_2\text{CH}(\text{NHCOOCH}_2\text{C}_6\text{H}_5)\text{CONHCH}[\text{CH}(\text{CH}_3)\text{CH}_2\text{CH}_3]\text{COOH}$ $\text{C}_{20}\text{H}_{30}\text{N}_2\text{O}_5$ M_r 378.47 [42537-96-2]	1 g 25. —	5 g 105. —
	Z-L-leucyl-L-leucine $(\text{CH}_3)_2\text{CHCH}_2\text{CH}(\text{NHCOOCH}_2\text{C}_6\text{H}_5)\text{CONHCH}[\text{CH}_2\text{CH}(\text{CH}_3)_2]\text{COOH}$ $\text{C}_{20}\text{H}_{30}\text{N}_2\text{O}_5$ M_r 378.47 [7801-71-0]		
96800	puriss. CHR >99% (T); M.P. 116-118°; $[\alpha]_{546}^{20} - 34.5 \pm 1^\circ$; $[\alpha]_D^{20} - 29.0 \pm 1^\circ$ (c = 5 in Methanol)	1 g 25. —	5 g 105. —
96810	Z-L-leucyl-L-methionine puriss. CHR $(\text{CH}_3)_2\text{CHCH}_2\text{CH}(\text{NHCOOCH}_2\text{C}_6\text{H}_5)\text{CONHCH}(\text{CH}_2\text{CH}_2\text{SCH}_3)\text{COOH}$ $\text{C}_{19}\text{H}_{28}\text{N}_2\text{O}_5\text{S}$ M_r 396.51 [18830-16-5]	1 g 28. —	5 g 120. —
96820	Z-L-leucyl-L-valine puriss. CHR; M.P. 107-109°; $[\alpha]_D^{20} - 16.5 \pm 1^\circ$ (c = 1 in Ethanol) $(\text{CH}_3)_2\text{CHCH}_2\text{CH}(\text{NHCOOCH}_2\text{C}_6\text{H}_5)\text{CONHCH}[\text{CH}(\text{CH}_3)_2]\text{COOH}$ $\text{C}_{19}\text{H}_{28}\text{N}_2\text{O}_5$ M_r 364.44 [7801-70-9]	1 g 25. —	5 g 105. —

		sFr.	sFr.
96870	N_ε-Z-L-lysineamide hydrochloride puriss. $[\alpha]_{546}^{20} + 11 \pm 0.5^\circ$ (c = 1 in water) $\text{C}_6\text{H}_5\text{CH}_2\text{OCONH}(\text{CH}_2)_4\text{CH}(\text{NH}_2)\text{CONH}_2\cdot\text{HCl}$ $\text{C}_{14}\text{H}_{21}\text{N}_3\text{O}_3\cdot\text{HCl}$ M_r 315.80 [58117-53-6]	250 mg 24. —	1 g 90. —
96830	N_α-Z-L-lysine $\text{NH}_2(\text{CH}_2)_4\text{CH}(\text{NHCOOCH}_2\text{C}_6\text{H}_5)\text{COOH}$ $\text{C}_{14}\text{H}_{20}\text{N}_2\text{O}_4$ M_r 280.33 [2212-75-1] puriss. CHR >99% (NT); M.P. 222-228° dec.; $[\alpha]_{546}^{20} - 14.5 \pm 1^\circ$; $[\alpha]_D^{20} - 12.0 \pm 1^\circ$ (c = 2 in 0.2n HCl)	1 g 13. —	5 g 55. —
96840	N_ε-Z-L-lysine $\text{C}_6\text{H}_5\text{CH}_2\text{OCONH}(\text{CH}_2)_4\text{CH}(\text{NH}_2)\text{COOH}$ $\text{C}_{14}\text{H}_{20}\text{N}_2\text{O}_4$ M_r 280.33 [1155-64-2] puriss. CHR ~99% (NT); M.P. ~250° dec.; $[\alpha]_{546}^{20} + 18 \pm 1^\circ$; $[\alpha]_D^{20} + 15 \pm 1^\circ$ (c = 1 in 1n HCl); Ash <0.05%	10 g 32. —	50 g 135. —
96850	N_α,N_ε-di-Z-L-lysine $\text{C}_6\text{H}_5\text{CH}_2\text{OCONH}(\text{CH}_2)_4\text{CH}(\text{NHCOOCH}_2\text{C}_6\text{H}_5)\text{COOH}$ $\text{C}_{22}\text{H}_{26}\text{N}_2\text{O}_6$ M_r 414.46 [405-39-0] puriss. CHR ~99% (T); M.P. 78-80°; $[\alpha]_{546}^{20} - 10.5 \pm 1^\circ$; $[\alpha]_D^{20} - 9.5 \pm 1^\circ$ (c = 2 in Pyridine)	10 g 35. —	50 g 145. —
96880	N_ε-Z-L-lysine benzyl ester hydrochloride $\text{C}_6\text{H}_5\text{CH}_2\text{OCONH}(\text{CH}_2)_4\text{CH}(\text{NH}_2)\text{COOCH}_2\text{C}_6\text{H}_5\cdot\text{HCl}$ $\text{C}_{21}\text{H}_{26}\text{N}_2\text{O}_4\cdot\text{HCl}$ M_r 406.91 [24458-14-8] (free ester) puriss. >99% (Cl); M.P. 138-140°; $[\alpha]_{546}^{20} - 7.8 \pm 0.5^\circ$; $[\alpha]_D^{20} - 6.3 \pm 0.5^\circ$ (c = 0.5 in 1n HCl)	1 g 30. —	5 g 125. —
96890	N_ε-Z-L-lysine methyl ester hydrochloride $\text{C}_6\text{H}_5\text{CH}_2\text{OCONH}(\text{CH}_2)_4\text{CH}(\text{NH}_2)\text{COOCH}_3\cdot\text{HCl}$ $\text{C}_{15}\text{H}_{22}\text{N}_2\text{O}_4\cdot\text{HCl}$ M_r 330.81 [27894-50-4] puriss. >99% (Cl); M.P. 115-118°; $[\alpha]_{546}^{20} + 17.5 \pm 0.5^\circ$; $[\alpha]_D^{20} - 14.5 \pm 0.5^\circ$ (c = 2 in water)	1 g 25. —	5 g 105. —
96895	N_α,N_ε-di-Z-L-lysine 4-nitrophenyl ester puriss. CHR; M.P. 61-63°; store in refrigerator $\text{C}_6\text{H}_5\text{CH}_2\text{OCONH}(\text{CH}_2)_4\text{CH}(\text{NHCOOCH}_2\text{C}_6\text{H}_5)\text{COOC}_6\text{H}_4\text{NO}_2$ $\text{C}_{28}\text{H}_{29}\text{N}_3\text{O}_8$ M_r 535.56 [21160-82-7]	1 g 20. —	5 g 85. —
96900	N_α,N_ε-di-Z-L-lysyl-glycyl-glycine purum M.P. 115-120° $\text{C}_6\text{H}_5\text{CH}_2\text{OCONH}(\text{CH}_2)_4\text{CH}(\text{NHCOOCH}_2\text{C}_6\text{H}_5)\text{CONHCH}_2\text{CONHCH}_2\text{COOH}$ $\text{C}_{26}\text{H}_{32}\text{N}_4\text{O}_8$ M_r 528.57	1 g 35. —	5 g 145. —
96905	S-Z-2-mercapto-4,6-dimethylpyrimidine [o-Benzyl S-(4,6-dimethyl-2-pyrimidyl)thiocarbonate] $\text{N}:\text{C}(\text{CH}_3)\text{CH}:\text{C}(\text{CH}_3)\text{N}:\text{C}\text{SOCOCH}_2\text{C}_6\text{H}_5$ $\text{C}_{14}\text{H}_{14}\text{N}_2\text{O}_2\text{S}$ M_r 274.35 [42116-21-2] puriss. >99% (N); M.P. 102-104°	10 g 16. —	50 g 67. —
96910	Z-L-methionine $\text{CH}_3\text{SCH}_2\text{CH}_2\text{CH}(\text{NHCOOCH}_2\text{C}_6\text{H}_5)\text{COOH}$ $\text{C}_{13}\text{H}_{17}\text{NO}_4\text{S}$ M_r 283.35 [1152-62-1] puriss. CHR >99% (T); M.P. 67-68°; $[\alpha]_{546}^{20} - 31 \pm 1^\circ$; $[\alpha]_D^{20} - 26 \pm 1^\circ$ (c = 1 in Methanol)	5 g 20. —	25 g 85. —
96930	N_α-Z-N_ω-nitro-L-arginine $\text{HN}:\text{C}(\text{NHNO}_2)\text{NH}(\text{CH}_2)_3\text{CH}(\text{NHCOOCH}_2\text{C}_6\text{H}_5)\text{COOH}$ $\text{C}_{14}\text{H}_{19}\text{N}_5\text{O}_6$ M_r 353.34 [2304-98-5] puriss. CHR; ~99% (T); M.P. 130-132° dec.; $[\alpha]_{546}^{20} - 3.5 \pm 0.5^\circ$ (c = 2 in Methanol)	5 g 26. —	25 g 110. —
97000	Z-L-phenylalanine $\text{C}_6\text{H}_5\text{CH}_2\text{CH}(\text{NHCOOCH}_2\text{C}_6\text{H}_5)\text{COOH}$ $\text{C}_{17}\text{H}_{17}\text{NO}_4$ M_r 299.33 [1161-13-3] puriss. CHR; >99% (T); M.P. 85-87°; $[\alpha]_{546}^{20} + 6.5 \pm 0.5^\circ$; $[\alpha]_D^{20} + 5.0 \pm 0.5^\circ$ (c = 5 in Acetic acid); Ash <0.05%	5 g 20. —	25 g 85. —
97010	Z-DL-phenylalanine $\text{C}_6\text{H}_5\text{CH}_2\text{CH}(\text{NHCOOCH}_2\text{C}_6\text{H}_5)\text{COOH}$ $\text{C}_{17}\text{H}_{17}\text{NO}_4$ M_r 299.33 [3588-57-6] puriss. CHR; ~99% (T); M.P. 98-102°; Ash <0.05%; 1 g clearly soluble in 10 ml Methanol	5 g 24. —	25 g 100. —

		sFr.	sFr.
97011	Z-L-phenylalanine hydroxysuccinimide ester puriss. CHR; store in refrigerator $\text{C}_6\text{H}_5\text{CH}_2\text{CH}(\text{NHCOOCH}_2\text{C}_6\text{H}_5)\text{COONCOCH}_2\text{CH}_2\text{CO}$ $\text{C}_{21}\text{H}_{20}\text{N}_2\text{O}_6$ M_r 396.40 [3397-32-8]	1 g 14. —	5 g 60. —
	Z-L-phenylalanine 4-nitrophenyl ester $\text{C}_6\text{H}_5\text{CH}_2\text{CH}(\text{NHCOOCH}_2\text{C}_6\text{H}_5)\text{COOC}_6\text{H}_4\text{NO}_2$ $\text{C}_{23}\text{H}_{20}\text{N}_2\text{O}_6$ M_r 420.42 [2578-84-9]		
97020	puriss. CHR; M.P. 125-127°; $[\alpha]_D^{20} - 8.5 \pm 0.5^\circ$ (c = 2.2 in Chlf.); store in refrigerator	1 g 12. —	5 g 50. —
97030	Z-L-phenylalanyl-glycine purum M.P. 147-150°; $[\alpha]_D^{20} - 10.0 \pm 0.5^\circ$ (c = 4.3 in Acetic acid) $\text{C}_6\text{H}_5\text{CH}_2\text{CH}(\text{NHCOOCH}_2\text{C}_6\text{H}_5)\text{CONHCH}_2\text{COOH}$ $\text{C}_{19}\text{H}_{20}\text{N}_2\text{O}_5$ M_r 356.38 [13122-99-1]	1 g 25. —	5 g 105. —
97040	Z-L-phenylalanyl-L-isoleucine purum M.P. 147-151°; $[\alpha]_D^{20} - 2.5^\circ$ (c = 2 in Methanol) $\text{C}_6\text{H}_5\text{CH}_2\text{CH}(\text{NHCOOCH}_2\text{C}_6\text{H}_5)\text{CONHCH}[\text{CH}(\text{CH}_3)\text{CH}_2\text{CH}_3]\text{COOH}$ $\text{C}_{23}\text{H}_{28}\text{N}_2\text{O}_5$ M_r 412.49 [13123-01-8]	1 g 45. —	
	Z-L-phenylalanyl-L-proline $\text{C}_6\text{H}_5\text{CH}_2\text{CH}(\text{NHCOOCH}_2\text{C}_6\text{H}_5)\text{CON}(\text{CH}_2)_3\text{CHCOOH}$ $\text{C}_{22}\text{H}_{24}\text{N}_2\text{O}_5$ M_r 396.45 [7669-64-9]		
97070	purum >99%(T); M.P. 107-108°; $[\alpha]_{546}^{20} - 46.5 \pm 1^\circ$; $[\alpha]_D^{20} - 39.5 \pm 1^\circ$ (c = 2 in Methanol)	1 g 22. —	5 g 90. —
97080	Z-L-phenylalanyl-L-valine purum M.P. 145-147°; $[\alpha]_D^{20} - 7.3^\circ$ (c = 2 in Methanol) $\text{C}_6\text{H}_5\text{CH}_2\text{CH}(\text{NHCOOCH}_2\text{C}_6\text{H}_5)\text{CONHCH}[\text{CH}(\text{CH}_3)_2]\text{COOH}$ $\text{C}_{22}\text{H}_{26}\text{N}_2\text{O}_5$ M_r 398.46 [13123-00-7]	1 g 25. —	5 g 105. —
	Z-L-proline $\text{C}_6\text{H}_5\text{CH}_2\text{OCON}(\text{CH}_2)_3\text{CHCOOH}$ $\text{C}_{13}\text{H}_{15}\text{NO}_4$ M_r 249.27 [1148-11-4]		
97090	puriss. CHR >99%(T); M.P. 75-77°; $[\alpha]_{546}^{20} - 71 \pm 1^\circ$; $[\alpha]_D^{20} - 60 \pm 1^\circ$ (c = 5 in Acetic acid)	10 g 20. —	50 g 85. —
	Z-D-proline $\text{C}_6\text{H}_5\text{CH}_2\text{OCON}(\text{CH}_2)_3\text{CHCOOH}$ $\text{C}_{13}\text{H}_{15}\text{NO}_4$ M_r 249.27 [6404-31-5]		
97092	puriss. CHR >99%(T); M.P. 75-78°; $[\alpha]_{546}^{20} + 71 \pm 1^\circ$; $[\alpha]_D^{20} + 60 \pm 1^\circ$ (c = 5 in Acetic acid)	1 g 85. —	
97101	Z-L-proline hydroxysuccinimide ester puriss. CHR; store in refrigerator $\text{C}_6\text{H}_5\text{CH}_2\text{OCON}(\text{CH}_2)_3\text{CHCOONCOCH}_2\text{CH}_2\text{CO}$ $\text{C}_{17}\text{H}_{18}\text{N}_2\text{O}_6$ M_r 346.34 [3397-33-9]	5 g 32. —	
	Z-L-proline 4-nitrophenyl ester $\text{C}_6\text{H}_5\text{CH}_2\text{OCON}(\text{CH}_2)_3\text{CHCOOC}_6\text{H}_4\text{NO}_2$ $\text{C}_{19}\text{H}_{18}\text{N}_2\text{O}_6$ M_r 370.36 [3304-59-4]		
97110	puriss. CHR >99%(N); M.P. 94-96°; $[\alpha]_{546}^{20} - 81 \pm 2^\circ$; $[\alpha]_D^{20} - 68 \pm 2^\circ$ (c = 2 in DMF); store in refrigerator	1 g 12. —	5 g 50. —
97120	Z-L-prolyl-L-alanine purum M.P. 157-160°; $[\alpha]_D^{20} - 66.5^\circ$ (c = 2 in Methanol) $\text{C}_6\text{H}_5\text{CH}_2\text{OCON}(\text{CH}_2)_3\text{CHCONHCH}(\text{CH}_3)\text{COOH}$ $\text{C}_{16}\text{H}_{20}\text{N}_2\text{O}_5$ M_r 320.35 [14030-00-3]	1 g 22. —	5 g 90. —
97150	Z-L-prolyl-L-methionine puriss. CHR; M.P. 135-136°; $[\alpha]_D^{20} - 37.5^\circ$ (c = 1 in Ethanol) $\text{C}_6\text{H}_5\text{CH}_2\text{OCON}(\text{CH}_2)_3\text{CHCONHCH}(\text{CH}_2\text{CH}_2\text{SCH}_3)\text{COOH}$ $\text{C}_{18}\text{H}_{24}\text{N}_2\text{O}_5\text{S}$ M_r 380.47 [17730-18-6]	1 g 22. —	5 g 90. —
	Z-L-prolyl-L-phenylalanine $\text{C}_6\text{H}_5\text{CH}_2\text{OCON}(\text{CH}_2)_3\text{CHCONHCH}(\text{CH}_2\text{C}_6\text{H}_5)\text{COOH}$ $\text{C}_{22}\text{H}_{24}\text{N}_2\text{O}_5$ M_r 396.45 [17350-17-3]		
97160	puriss. CHR; >99%(T); M.P. 129-131°; $[\alpha]_{546}^{20} - 45 \pm 1^\circ$; $[\alpha]_D^{20} - 38 \pm 1^\circ$ (c = 3 in Chlf.)	1 g 25. —	5 g 105. —
97180	Z-L-prolyl-L-valine puriss. CHR; M.P. 133-135°; $[\alpha]_D^{20} - 56 \pm 2^\circ$ (c = 2.8 in Methanol) $\text{C}_6\text{H}_5\text{CH}_2\text{OCON}(\text{CH}_2)_3\text{CHCONHCH}[\text{CH}(\text{CH}_3)_2]\text{COOH}$ $\text{C}_{18}\text{H}_{24}\text{N}_2\text{O}_5$ M_r 348.41 [21285-27-8]	1 g 25. —	5 g 105. —
	Z-L-serine $\text{HOCH}_2\text{CH}(\text{NHCOOCH}_2\text{C}_6\text{H}_5)\text{COOH}$ $\text{C}_{11}\text{H}_{13}\text{NO}_5$ M_r 239.23 [1145-80-8]		
97190	puriss. CHR >99%(T); M.P. 116-119°; $[\alpha]_{546}^{20} + 7.5 \pm 0.5^\circ$; $[\alpha]_D^{20} + 6.0 \pm 0.5^\circ$ (c = 7 in Acetic acid)	5 g 18. —	25 g 75. —

		sFr.	sFr.
97210	Z-L-serine hydrazide puriss. M.P. 178-180° $\text{HOCH}_2\text{CH}(\text{NHCOOCH}_2\text{C}_6\text{H}_5)\text{CONHNH}_2$ $\text{C}_{11}\text{H}_{15}\text{N}_3\text{O}_4$ M_r 253.26 [26582-86-5]	1 g 18. —	5 g 75. —
	S-Z-thiosulfonic acid Sodium salt see 13630 S-Benzylloxycarbonylthiosulfonic acid Sodium salt		
97230	Z-L-threonine puriss. CHR; M.P. 101-103°; $[\alpha]_D^{20} - 5.0 \pm 0.5^\circ$ (c = 4 in Acetic acid) $\text{CH}_3\text{CH}(\text{OH})\text{CH}(\text{NHCOOCH}_2\text{C}_6\text{H}_5)\text{COOH}$ $\text{C}_{12}\text{H}_{15}\text{NO}_5$ M_r 253.26 [19728-63-3]	5 g 18. —	25 g 75. —
	Z-L-tryptophan $\text{C}_6\text{H}_4\text{NHCH}(\text{CCH}_2\text{CH}(\text{NHCOOCH}_2\text{C}_6\text{H}_5)\text{COOH})$ $\text{C}_{19}\text{H}_{19}\text{N}_2\text{O}_4$ M_r 338.37 [7432-21-5]		
97240	puriss. CHR; >99%(T); M.P. 125-127°; $[\alpha]_D^{20} + 3.5 \pm 0.5^\circ$ (c = 3 in Acetic acid); Ash <0.05%; 1 g clearly soluble in 10 ml Methanol	5 g 12. —	25 g 50. —
	Z-L-tryptophan 4-nitrophenyl ester $\text{C}_6\text{H}_4\text{NHCH}(\text{CCH}_2\text{CH}(\text{NHCOOCH}_2\text{C}_6\text{H}_5)\text{COOC}_6\text{H}_4\text{NO}_2)$ $\text{C}_{25}\text{H}_{21}\text{N}_3\text{O}_6$ M_r 459.46 [16624-64-9]		
97260	puriss. M.P. 102-105°; $[\alpha]_D^{20} - 2.7 \pm 0.3^\circ$ (c = 2 in Acetone); store in refrigerator	1 g 20. —	5 g 85. —
	Z-L-tyrosine 4-nitrophenyl ester $\text{HOC}_6\text{H}_4\text{CH}_2\text{CH}(\text{NHCOOCH}_2\text{C}_6\text{H}_5)\text{COOC}_6\text{H}_4\text{NO}_2$ $\text{C}_{23}\text{H}_{20}\text{N}_2\text{O}_7$ M_r 436.42 [3556-56-7]		
97300	puriss. >99%(N); M.P. 156-157°; $[\alpha]_D^{20} - 9.0 \pm 0.5^\circ$; $[\alpha]_D^{20} - 7.8 \pm 0.5^\circ$ (c = 2 in Acetone); store in refrigerator	1 g 20. —	5 g 85. —
	Z-L-valine $(\text{CH}_3)_2\text{CHCH}(\text{NHCOOCH}_2\text{C}_6\text{H}_5)\text{COOH}$ $\text{C}_{13}\text{H}_{17}\text{NO}_4$ M_r 251.28 [1149-26-4]		
97330	puriss. CHR >99%(T); M.P. 60-62°; $[\alpha]_D^{20} - 4.5 \pm 0.5^\circ$; $[\alpha]_D^{20} - 4.0 \pm 0.5^\circ$ (c = 2 in Acetic acid)	5 g 15. —	25 g 63. —
97341	Z-L-valine hydroxysuccinimide ester puriss. CHR; M.P. 112-113°; store in refrigerator $(\text{CH}_3)_2\text{CHCH}(\text{NHCOOCH}_2\text{C}_6\text{H}_5)\text{COONCOCH}_2\text{CH}_2\text{CO}$ $\text{C}_{17}\text{H}_{20}\text{N}_2\text{O}_6$ M_r 348.36 [3496-11-5]	1 g 20. —	5 g 85. —
97342	Z-L-valine 4-nitrophenyl ester puriss. CHR; store in refrigerator $(\text{CH}_3)_2\text{CHCH}(\text{NHCOOCH}_2\text{C}_6\text{H}_5)\text{COOC}_6\text{H}_4\text{NO}_2$ $\text{C}_{19}\text{H}_{20}\text{N}_2\text{O}_6$ M_r 372.38 [10512-93-3]	1 g 12. —	5 g 50. —
	Z-L-valyl-L-tyrosine hydrazide $(\text{CH}_3)_2\text{CHCH}(\text{NHCOOCH}_2\text{C}_6\text{H}_5)\text{CONHCH}(\text{CH}_2\text{C}_6\text{H}_4\text{OH})\text{CONHNH}_2$ $\text{C}_{22}\text{H}_{28}\text{N}_4\text{O}_5$ M_r 428.49 [5992-90-5]		
97400	puriss. CHR; M.P. 241-242°; $[\alpha]_D^{20} - 16.5 \pm 0.5^\circ$ (c = 4 in DMF)	1 g 40. —	

Ag	Silver	AlKO ₃ S ₂	Potassium aluminum sulfate	BF ₄ NO ₂	Nitronium tetrafluoroborate
AgBF ₄	Silver-tetrafluoroborate	AlN ₃ O ₉	Aluminum(II) nitrate	BF ₄ Na	Sodium fluoroborate
AgBr	Silver bromide	Al ₂ O ₃	Aluminum oxide	BH ₄ K	Potassium borohydride
AgCl	Silver chloride	Al ₂ O ₁₂	Aluminum sulfate	BH ₄ Li	Lithium borohydride
AgClO ₄	Silver perchlorate	Al ₂ Se ₃	Aluminum selenide	BH ₄ Na	Sodium borohydride
AgF	Silver fluoride	As	Arsenic	BN	Boron nitride
AgF ₂	Silver difluoride	AsHNa ₂ O ₄	di-Sodiumhydrogenarsenate	BNaO ₂	Sodium(meta)borate
AgF ₆ P	Silverhexafluorophosphate	AsNaO ₂	Sodium(meta)arsenite	BNaO ₃	Sodium perborate
AgI	Silver iodide	As ₂ O ₃	Arsenic trioxide	B ₂ O ₃	Boric anhydride
AgIO ₃	Silver iodate	Au	Gold	B ₂ Li ₂ O ₇	Lithium tetraborate
AgMnO ₄	Silver permanganate	AuBr ₃	Gold(III) bromide	B ₄ Na ₂ O ₇	Sodium tetraborate
AgNO ₂	Silver nitrite	AuBr ₄ K	Potassium tetrabromoaurate(III)	B ₄ K ₂ O ₇	Potassium tetraborate
AgNO ₃	Silver nitrate	AuCl ₄ H	Gold chloride brown	Ba	Barium
AgO	Silver(II) oxide	AuCl ₄ K	Potassium tetrachloroaurate(III)	BaCl ₂	Barium chloride
Ag ₂ CrO ₄	Silver chromate	AuCl ₄ Na	Sodium tetrachloroaurate(III)	BaCl ₂ O ₆	Barium chlorate
Ag ₂ O	Silver(I) oxide	AuI ₃	Gold(III) iodide	BaCl ₂ O ₈	Barium perchlorate
Ag ₂ O ₄ S	Silver sulfate	Au ₂ O ₃	Gold(III) oxide	BaCrO ₄	Barium chromate
Ag ₂ S	Silver sulfide	B	Boron	BaF ₂	Barium fluoride
Ag ₃ O ₄ P	Silver orthophosphate	BBr ₃	Boron tribromide	BaH ₂ O ₂	Barium hydroxide
Al	Aluminum	BCl ₃	Boron trichloride	BaMnO ₄	Barium manganate
AlBr ₃	Aluminum bromide	BD ₄ Li	Lithium borohydride-d ₄	BaN ₂ O ₄	Barium nitrite
AlCl ₃	Aluminum chloride	BD ₄ Na	Sodium borohydride-d ₄	BaN ₂ O ₆	Barium nitrate
AlCl ₃ O ₁₂	Aluminum perchlorate	BF ₃	Boron trifluoride Boron trifluoride ethyl etherate Boron trifluoride Ethylamine Complex Borontrifluoride Acetic acid Complex Boron trifluoride methyl etherate Boron trifluoride Phosphoric acid Complex	BaO	Barium oxide
AlD ₄ Li	Lithium aluminum hydride-d ₄	BF ₄ H	Fluoroboric acid	BaO ₃ Se	Barium selenite
AlF ₃ Na ₃	Cryolite	BF ₄ H ₄ N	Ammonium fluoroborate	BaO ₄ S	Barium sulfate
AlH ₃ O ₃	Aluminum hydroxide	BF ₄ Li	Lithium fluoroborate	Be	Beryllium
AlH ₄ Li	Lithium aluminum hydride			BeCl ₂	Beryllium chloride
AlH ₄ Na	Sodium aluminumhydrate			BeH ₂ O ₂	Beryllium hydroxide
AlH ₄ NO ₆ S ₂	Ammonium aluminum sulfate				

BeN ₂ O ₆ Beryllium nitrate	Br ₂ Zn Zinc bromide	CCl ₄ Carbon tetrachloride
BeO Beryllium oxide	Br ₃ I Iodine tribromide	CCl ₄ OS Trichloromethanesulfinyl chloride
BeO ₄ S Beryllium sulfate	Br ₃ In Indium(III) bromide	CCl ₄ O ₂ S Trichloromethanesulfonyl chloride
Bi Bismuth	Br ₃ P Phosphorus tribromide	CCl ₄ S Perchloromethyl mercaptane
BiClO Bismuthyl(III) chloride	Br ₄ Pt Platinum(IV) bromide	CCoO ₃ Cobaltous carbonate basic
BiCl ₃ Bismuth(III) chloride	Br ₆ H ₂ Pt Hexabromoplatinic acid	CCs ₂ O ₃ Cesium carbonate
BiNO ₄ Bismuth(III) nitrate basic	C Activated Charcoal	CCuN Copper(I) cyanide
BiN ₃ O ₉ Bismuth(III) nitrate	CAGF ₃ O ₃ S Silver trifluoromethanesulfonate	CD ₃ I Methyliodide-d ₃
Bi ₂ CO ₅ Bismuth(III) carbonate basic	CAGN Silver cyanide	CD ₃ NO ₂ Nitromethane-d ₃
Bi ₂ O ₃ Bismuth(III) oxide	CAGNS Silver thiocyanate	CD ₄ O Methanol-d ₄
BrCs Cesium bromide	CAG ₂ O ₃ Silver carbonate	CF ₂ Br ₂ Dibromodifluoromethane
BrCu Copper(I) bromide	CAuN Gold(I) cyanide	CHBrCl ₂ Bromodichloromethane
BrH Hydrogen bromide Hydrobromic acid 48% in water Hydrobromic acid 33% in Acetic acid	CBD ₃ NNa Sodiumcyanoborohydride-d	CHBr ₂ Cl Dibromochloromethane
BrH ₄ N Ammonium bromide	CB ₄ Boron carbide	CHBr ₃ Bromoform
BrI Iodine monobromide	CBaO ₃ Barium carbonate	CHCl ₃ Chloroform
BrK Potassium bromide	CBeO ₃ Beryllium carbonate	CHF ₃ O ₃ S Trifluoromethanesulfonic acid
BrKO ₃ Potassium bromate	CBrCl ₃ Bromotrichloromethane	CHI ₃ Iodoform
BrLi Lithium bromide	CBrN Cyanogen bromide	CHKO ₃ Potassium hydrogen carbonate
BrNa Sodium bromide	CBr ₄ Tetrabromomethane	CHN ₂ Na mono-Sodium cyanamide
BrNaO ₃ Sodium bromate	CCaO ₃ Calcium carbonate	CHNaO ₃ Sodium hydrogen carbonate
BrRb Rubidium bromide	CCdO ₃ Cadmium carbonate	CH ₂ BrCl Bromochloromethane
Br ₂ Bromine	CCINO ₃ S Chlorosulfonyl isocyanate	CH ₂ Br ₂ Dibromomethane
Br ₂ Ca Calcium bromide	CCl ₂ D ₂ Methylene chloride-d ₂	CH ₂ ClI Chloro iodomethane
Br ₂ Cd Cadmium bromide	CCl ₂ O Phosgene	CH ₂ Cl ₂ Dichloromethane
Br ₂ Cu Copper(II) bromide	CCl ₂ S Thiophosgene	CH ₂ Cu ₂ O ₆ Copper(II) carbonate basic
Br ₂ Hg Mercuric bromide	CCl ₃ D Chloroform-d	CH ₂ I ₂ Methylene iodide
Br ₂ Ni Nickel(II) bromide	CCl ₃ F Trichlorofluoromethane	CH ₂ N ₂ Cyanamide
Br ₂ OS Thionyl bromide	CCl ₃ NO ₂ Trichloronitromethane	CH ₂ N ₄ Tetrazole

CH ₂ O Formaldehyde	CH ₄ N ₂ Se Selenourea	CK ₂ S ₃ Potassium thiocarbonate
(CH ₂ O) _n Paraformaldehyde	CH ₄ N ₄ O ₂ Nitroguanidine	CLiNS Lithium thiocyanate
CH ₂ O ₂ Calcium formate Formic acid anhydrous Potassium formate Sodium formate	CH ₄ O Methyl alcohol	CMnO ₃ Manganese(II) carbonate
CH ₃ BNNa Sodium cyanoborohydride	CH ₄ O ₃ S Methanesulfonic acid	CNNa Sodium cyanide
CH ₃ Br Bromomethane	CH ₄ S Methanethiol	CNNaO Sodium cyanate
CH ₃ Cl Chloromethane	CH ₅ N Methylamine Methylamine hydrochloride	CNNaS Sodium thiocyanate
CH ₃ ClO ₂ S Methanesulfonyl chloride	CH ₅ NO N-Methylhydroxylamine hydrochloride O-Methylhydroxylamine hydrochloride	CN ₂ Na ₂ di-Sodiumcyanamide
CH ₃ Cl ₃ Si Methyltrichlorosilane	CH ₅ NO ₂ Ammonium formate	CN ₄ O ₈ Tetranitromethane
CH ₃ DO Methyl alcohol-d	CH ₅ NO ₃ Ammonium hydrogencarbonate	CNa ₂ O ₃ Sodium carbonate
CH ₃ FO ₃ S Methyl fluorosulfate	CH ₆ NO ₃ S Aminomethanesulfonic acid	CNiO ₃ Nickel(II) carbonate basic
CH ₃ I Iodomethane	CH ₅ N ₃ Guanidine acetate Guanidine hydrochloride Guanidine nitrate Guanidine thiocyanate	CO Carbon monoxide
CH ₃ Li Methyl lithium	(CH ₅ N ₃) ₂ Guanidine carbonate Guanidine sulfate	CO ₃ Rb ₂ Rubidium carbonate
CH ₃ LiO Lithium methoxide	CH ₅ N ₃ O Semicarbazide hydrochloride	CO ₃ Sr Strontium carbonate
CH ₃ NO Formamide	CH ₅ N ₃ S Thiosemicarbazide	CO ₃ Tl ₂ Thallium(I) carbonate
CH ₃ NO ₂ Nitromethane	CH ₆ N ₂ Methanediamine dihydrochloride Methylhydrazine	CS ₂ Carbon disulfide
CH ₃ N ₅ 5-Aminotetrazole Monohydrate	CH ₆ N ₄ Aminoguanidine hydrogencarbonate	CTa Tantalum carbide
CH ₃ NaO Sodium methylate	CH ₆ N ₄ O Carbohydrazide	CTi Titanium carbide
CH ₃ NaO ₃ S Sodium formaldehyde sulfoxylate	CH ₆ N ₄ S Thiocarbohydrazide	C ₂ AuKN ₂ Potassium dicyanoaurate (I)
CH ₄ Methane	CH ₈ N ₂ O ₃ Ammonium carbonate	C ₂ CaN ₂ Calcium cyanide
CH ₄ Cl ₂ Si Dichloromethylsilane	CIN Cyanogen iodide	C ₂ CaN ₂ S ₂ Calcium thiocyanate
CH ₄ NO ₅ P Carbamoylphosphate Lithium salt	Cl ₄ Tetraiodomethane	C ₂ ClNO ₂ Chlorocarbonyl isocyanate
CH ₄ N ₂ Formamidine acetate Formamidine hydrochloride	CKN Potassium cyanide	C ₂ Cl ₂ O ₂ Oxalyl chloride
CH ₄ N ₂ O Urea Urea phosphate Urea sulfate	CKNO Potassium cyanate	C ₂ Cl ₃ F ₃ 1,1,2-Trichlorotrifluoroethane
CH ₄ N ₂ O ₂ Hydroxyurea	CKNS Potassium thiocyanate	C ₂ Cl ₃ N Trichloroacetonitrile
CH ₄ N ₂ O ₂ S Formamidinesulfinic acid	CKNSe Potassium selenocyanate	C ₂ Cl ₄ Tetrachloroethylene
CH ₄ N ₂ S Ammonium rhodanide Thiourea	CK ₂ O ₃ Potassium carbonate	C ₂ Cl ₄ O Trichloroacetyl chloride
		C ₂ Cl ₆ Hexachloroethane
		C ₂ CuF ₆ O ₆ S ₂ Cupric trifluoromethanesulfonate

C ₂ DF ₃ O ₂ Trifluoroacetic acid-d ₁	C ₂ H ₂ Cl ₂ O Chloroacetyl chloride	C ₂ H ₃ IO ₂ Iodoacetic acid Iodoacetic acid Lithium salt Iodoacetic acid Sodium salt
C ₂ D ₃ N Acetonitrile-d ₃	C ₂ H ₂ Cl ₂ O ₂ Dichloroacetic acid	C ₂ H ₃ N Acetonitrile
C ₂ D ₄ O ₂ Acetic acid-d ₄	C ₂ H ₂ Cl ₃ NO Trichloroacetamide	C ₂ H ₃ NO Glycolic acid nitrile Methyl isocyanate
C ₂ d ₅ NO ₂ Glycine-d ₅	C ₂ H ₂ Cl ₄ 1,1,2,2-Tetrachloroethane	C ₂ H ₃ NS Methyl isothiocyanate
C ₂ D ₆ O Ethanol-d ₆	C ₂ H ₂ F ₃ I 2,2,2-Trifluoroethyl iodide	C ₂ H ₃ N ₃ 1,2,4-Triazole
C ₂ D ₆ OS Methylsulfoxide-d ₆	C ₂ H ₂ F ₃ NO Trifluoroacetamide	C ₂ H ₃ N ₃ O N-Cyanourea Sodium salt
C ₂ F ₆ O ₅ S ₂ Trifluoromethanesulfonic acid anhydride	C ₂ H ₂ IN Iodoacetonitrile	C ₂ H ₃ N ₃ S 2-Amino-1,3,4-thiadiazole 1H-1,2,3-Triazole-3-thiol
C ₂ FeO ₄ Ferrous oxalate	C ₂ H ₂ N ₂ S ₃ Bismuthiol I	C ₂ N ₃ O ₂ TI Thallium(I) acetate
C ₂ HBr ₃ O Bromal	(C ₂ H ₂ O ₂) _n Glyoxal, polymer	C ₂ H ₄ Ethylene
C ₂ HBr ₃ O ₂ Tribromoacetic acid	C ₂ H ₂ O ₃ Glyoxylic acid monohydrate Glyoxylic acid 50% aqueous Solution	C ₂ H ₄ BrCl 1-Bromo-2-chloroethane
C ₂ HClF ₂ O ₂ Chlorodifluoroacetic acid	C ₂ H ₂ O ₄ Potassium oxalate Oxalic acid Sodium salt Oxalic acid	C ₂ H ₄ BrNO N-Bromoacetamide
C ₂ HCl ₃ Trichloroethylene	C ₂ H ₃ Br Vinyl bromide	C ₂ H ₄ Br ₂ 1,2-Dibromoethane
C ₂ HCl ₃ O Chloral anhydrous Dichloroacetyl chloride	C ₂ H ₃ BrO Acetyl bromide	C ₂ H ₄ CINO 2-Chloroacetamide
C ₂ HCl ₃ O ₂ Trichloroacetic acid	C ₂ H ₃ BrO ₂ Bromoacetic acid	C ₂ H ₄ Cl ₂ 1,1-Dichloroethane 1,2-Dichloroethane
C ₂ HCl ₅ Pentachloroethane	C ₂ H ₃ Br ₃ O 2,2,2-Tribromoethanol	C ₂ H ₄ Cl ₂ O 2,2-Dichloroethanol Dichloromethyl methyl ether
C ₂ HF ₃ O ₂ Trifluoroacetic acid	C ₂ H ₃ Cl Vinyl chloride	C ₂ H ₄ FNO 2-Fluoroacetamide
C ₂ HLi Lithiumacetylde Ethylenediamine Complex	C ₂ H ₃ ClO Acetyl chloride Chloroacetaldehyde	C ₂ H ₄ INO Iodoacetamide
C ₂ HO ₃ Glyoxylic acid Sodium salt	C ₂ H ₃ ClO ₂ Methyl chloroformate Chloroacetic acid Chloroacetic acid Sodium salt	C ₂ H ₄ I ₂ 1,2-Diiodoethane
C ₂ H ₂ BrClO Bromoacetyl chloride	C ₂ H ₃ Cl ₃ 1,1,1-Trichloroethane 1,1,2-Trichloroethane	C ₂ H ₄ N ₂ Aminoacetonitrile hydrochloride Aminoacetonitrile hydrogensulfate
C ₂ H ₂ Br ₂ 1,2-Dibromoethylene (cis + trans)	C ₂ H ₃ Cl ₃ O 2,2,2-Trichloroethanol	C ₂ H ₄ N ₂ O ₂ Glyoxime Oxamide
C ₂ H ₂ Br ₂ O Bromoacetyl bromide	C ₂ H ₃ Cl ₃ O ₂ Chloral hydrate	C ₂ H ₄ N ₂ S ₂ Dithiooxamide
C ₂ H ₂ Br ₂ O ₂ Dibromoacetic acid	C ₂ H ₃ Cl ₃ Si Vinyltrichlorosilane	C ₂ H ₄ N ₄ 3-Amino-1,2,4-triazole 4-Amino-1,2,4-triazole Dicyanodiamide
C ₂ H ₂ Br ₄ 1,1,2,2-Tetrabromoethane	C ₂ H ₃ DO ₂ Acetic acid-d ₁	C ₂ H ₄ N ₄ O ₂ Azodicarbonamide
C ₂ H ₂ ClF ₃ O ₂ S 2,2,2-Trifluoroethanesulfonyl chloride	C ₂ H ₃ FO ₂ Sodium fluoroacetate	C ₂ H ₄ O Acetaldehyde Ethylene oxide
C ₂ H ₂ CIN Chloroacetonitrile	C ₂ H ₃ F ₃ O 2,2,2-Trifluoroethanol	
C ₂ H ₂ CINS Chlormethyl thiocyanate	C ₂ H ₃ F ₃ O ₃ S Methyl trifluoromethanesulfonate	
C ₂ H ₂ Cl ₂ trans-1,2-Dichloroethylene Vinylidene chloride		

(C ₂ H ₄ O) _n Metaldehyde	C ₂ H ₅ NO ₂ Glycine Methyl carbamate Nitroethane	C ₂ H ₆ O ₂ Ethylene glycol
C ₂ H ₄ OS Potassium thioacetate Thioacetic acid	C ₂ H ₅ NO ₃ 2-Nitroethanol	C ₂ H ₆ O ₂ S Methyl sulfone
C ₂ H ₄ O ₂ Acetic acid Cesium-acetate Glycolaldehyde Potassium acetate Lithium acetate Silver acetate Sodium acetate	C ₂ H ₅ NO ₄ Ammonium hydrogenoxalate	C ₂ H ₆ O ₃ S Ethanesulfonic acid Methyl sulfite
C ₂ H ₄ O ₂ S Calcium thioglycolate Mercaptoacetic acid Sodium salt Thioglycolic acid	C ₂ H ₅ NS Thioacetamide	C ₂ H ₆ O ₄ S Dimethyl sulfate Isaethionic acid Sodium salt
C ₂ H ₄ O ₃ Glycolic acid	C ₂ H ₅ N ₃ OS Thiobiuret	C ₂ H ₆ O ₅ S ₂ Methanesulfonic anhydrid
C ₂ H ₄ O ₃ S Ethylene sulfite Vinylsulfonic acid Sodium salt	C ₂ H ₅ N ₅ 3,5-Diamino-1,2,4-triazole	C ₂ H ₆ S Ethanethiol Methyl sulfide
C ₂ H ₄ O ₈ Mesoxalic acid Disodium salt	C ₂ H ₅ N ₃ O ₂ Biuret Oxamic acid hydrazide	C ₂ H ₆ S ₂ 1,2-Ethanedithiol Methyl disulfide
C ₂ H ₄ S Ethylene sulfide	C ₂ H ₅ N ₅ O ₃ N-Methyl-N'-nitro-N-nitrosoguanidine	C ₂ H ₇ AsO ₂ Cacodylic acid Sodium salt
C ₂ H ₅ Br Ethyl bromide	C ₂ H ₅ NaO Sodium ethylate	C ₂ H ₇ ClSi Dimethylchlorosilane
C ₂ H ₅ BrO 2-Bromoethanol	C ₂ H ₅ NaO ₃ S ₂ Sodium 2-mercaptoethanesulfonate	C ₂ H ₇ N Dimethylamine Dimethylamine hydrochloride Ethylamine Ethylamine hydrochloride *
C ₂ H ₅ BrO ₃ S 2-Bromoethanesulfonic acid Sodium salt	C ₂ H ₆ Ethane	C ₂ H ₇ NO Acetaldehyde ammonia Ethanolamine
C ₂ H ₅ Cl Chloroethane	C ₂ H ₆ BrN 2-Bromoethylamine hydrobromide	C ₂ H ₇ NO ₂ Ammonium acetate
C ₂ H ₅ ClO 2-Chloroethanol	C ₂ H ₆ Cl ₂ NOP N,N-Dimethylphosphoramidic dichloride	C ₂ H ₇ NO ₂ S Thioglycolic acid Ammonium salt
C ₂ H ₅ ClO ₂ S Ethane sulfochloride	C ₂ H ₆ Cl ₂ Si Dimethyldichlorosilane	C ₂ H ₇ NO ₃ S Taurine
C ₂ H ₅ ClO ₃ S 2-Chloroethanesulfonic acid Sodium salt	C ₂ H ₆ Cl ₂ Sn Dimethyltin dichloride	C ₂ H ₇ NO ₄ S 2-Aminoethyl hydrogensulfate
C ₂ H ₅ ClS Chlorodimethyl sulfide	C ₂ H ₆ MgO ₂ Magnesium methylete	C ₂ H ₇ NS Cysteamine Cysteamine hydrochloride
C ₂ H ₅ Cl ₃ Si Ethyl trichlorosilane	C ₂ H ₆ N ₂ Acetamidine acetate Acetamidine hydrochloride	C ₂ H ₇ O ₃ P Dimethyl phosphite
C ₂ H ₅ DO Ethanol-d	C ₂ H ₆ N ₂ O Glycinamide hydrochloride O-Methylisourea hydrogensulfate N-Methylurea	C ₂ H ₈ NO ₄ P o-Phosphocobalamine
C ₂ H ₅ FO 2-Fluoroethanol	C ₂ H ₆ N ₂ S N-Methylthiourea	C ₂ H ₈ N ₂ Ethylenediamine Ethylenediamine dihydrochloride Ethylhydrazine oxalate N,N-Dimethylhydrazine (asym.) N,N'-Dimethylhydrazine dihydrochloride (sym.)
C ₂ H ₅ I Iodoethane	(C ₂ H ₅ N ₄ O) ₃ Guanylurea phosphate	C ₂ H ₈ N ₂ O 2-Hydroxyethylhydrazine
C ₂ H ₅ IO 2-Iodoethanol	C ₂ H ₆ N ₄ O ₂ Oxalyl dihydrazide	C ₂ H ₈ N ₂ O ₄ Ammonium oxalate
C ₂ H ₅ NO Acetaldehyde oxime Acetamide N-Methylformamide	C ₂ H ₆ N ₆ S 4-Amino-3-hydrazino-5-mercapto- 1,2,4-triazole	C ₂ H ₈ BS Borane Methylsulfide Complex
	C ₂ H ₆ O Dimethyl Ether Ethyl alcohol	C ₂ H ₁₀ BN Borane Dimethylamine Complex
	C ₂ H ₆ OS 2-Mercaptoethanol Methyl sulfoxide	

C ₂ H ₁₀ NO ₂ PS ₂ Dimethyldithiophosphoric acid Ammonium salt	C ₃ H ₂ Cl ₄ O ₂ 2,2,2-Trichloroethyl chloroformate	C ₃ H ₄ Br ₂ O ₂ 2,3-Dibromopropionic acid
C ₂ HgN ₂ Mercuric cyanide	C ₃ H ₂ F ₆ O 1,1,1,3,3,3-Hexafluoro-2-propanol	C ₃ H ₄ CIN 3-Chloropropionitrile
C ₂ HgN ₂ S ₂ Mercuric thiocyanate	C ₃ H ₂ N ₂ Malononitrile	C ₃ H ₄ CINO 2-Chloroethyl isocyanate
C ₂ N ₂ PbS ₂ Lead rhodanide	C ₃ H ₂ N ₂ S ₂ Methylene dithiocyanate	C ₃ H ₄ Cl ₂ 1,1-Dichloro-1-propene 1,3-Dichloropropene (cis + trans) 2,3-Dichloro-1-propene
C ₂ N ₂ Pd Palladium cyanide	C ₃ H ₂ O ₂ Propiolic acid	C ₃ H ₄ Cl ₂ O 2-Chloropropionyl chloride 3-Chloropropionyl chloride 1,3-Dichloro-2-propanone (sym)
C ₂ N ₂ Zn Zinc cyanide	C ₃ H ₂ O ₃ Vinylene carbonate	C ₃ H ₄ Cl ₂ O ₂ 2-Chloroethyl chloroformate 2,3-Dichloropropionic acid 2,2-Dichloropropionic acid Sodium salt Methyl dichloroacetate
C ₂ N ₃ Na Sodium dicyanoamide	C ₃ H ₃ Br Propargyl bromide	C ₃ H ₄ N ₂ Imidazole Pyrazole
C ₂ O ₄ Sn Stannous oxalate	C ₃ H ₃ BrO ₃ Bromopyruvic acid	C ₃ H ₄ N ₂ O Cyanoacetamide
C ₃ Al ₄ Aluminum cabide	C ₃ H ₃ Cl Propargyl chloride	C ₃ H ₄ N ₂ O ₂ Hydantoin
C ₃ Cl ₂ F ₄ O 1,3-Dichloro-1,1,3,3-tetrafluoro-2-propanone	C ₃ H ₃ ClO Acryloyl chloride	C ₃ H ₄ N ₂ S 2-Aminothiazole
C ₃ Cl ₂ F ₆ 1,2-Dichloro-1,1,2,3,3,3-hexafluoro-propane	C ₃ H ₃ ClO ₃ 4-Chloro-1,3-dioxolane-2-one mono-Methyloxalyl chloride	C ₃ H ₄ O Acrolein Propargyl alcohol
C ₃ Cl ₃ F ₃ O 1,1,1-Trichloro-3,3,3-trifluoroacetone	C ₃ H ₃ Cl ₃ O 2,3-Dichloropropionyl chloride	C ₃ H ₄ O ₂ Acrylic acid Methylglyoxal β-Propiolactone
C ₃ Cl ₃ NO ₂ Trichloroacetyl isocyanate	C ₃ H ₃ Cl ₃ O ₂ Methyl trichloroacetate	C ₃ H ₄ O ₃ Ethylene carbonate Pyruvic acid Pyruvic acid Sodium salt
C ₃ Cl ₃ N ₃ Cyanuric chloride	C ₃ H ₃ F ₃ O 1,1,1-Trifluoroacetone	C ₃ H ₄ O ₄ Malonic acid Malonic acid di-Sodium salt
C ₃ Cl ₃ N ₃ O ₃ Trichlorocyanuric acid	C ₃ H ₃ F ₃ O ₂ Methyl trifluoroacetate	C ₃ H ₄ O ₆ Tartronic acid
C ₃ Cl ₄ Tetrachlorocyclopropene	C ₃ H ₃ N Acrylonitrile	C ₃ H ₄ O ₈ Mesoxalic acid
C ₃ Cl ₆ O Hexachloro-2-propanone	C ₃ H ₃ NO Pyruvonitrile	C ₃ H ₄ S ₃ Ethylene trithiocarbonate
C ₃ D ₄ O ₄ Malonic acid-d ₄	C ₃ H ₃ NOS ₂ Rhodanine	C ₃ H ₅ Br Allyl bromide Bromocyclopropane 1-Bromo-1-propene (cis + trans) 2-Bromopropene
C ₃ D ₆ O Acetone-d ₆	C ₃ H ₃ NO ₂ Cyanoacetic acid	C ₃ H ₅ BrO Bromoacetone Epibromohydrin
C ₃ D ₇ NO N,N-Dimethylformamide-d ₇	C ₃ H ₃ NS Thiazole	C ₃ H ₅ BrO ₂ 2-Bromopropionic acid 3-Bromopropionic acid Methyl bromoacetate
C ₃ F ₆ O Hexafluoroacetone Deuterate	C ₃ H ₃ N ₃ s-Triazine(1,3,5)	
C ₃ HCl ₂ N ₃ O ₃ Dichlorocyanuric acid	C ₃ H ₃ N ₃ O ₂ 6-Azaauracil	
C ₃ HF ₅ O ₂ Pentafluoropropionic acid	C ₃ H ₃ N ₃ O ₃ Cyanuric acid	
C ₃ H ₂ CIN 2-Chloroacrylonitrile	C ₃ H ₄ BrClO ₂ (2-Bromoethoxy) chloroformate	
C ₃ H ₂ Cl ₂ O ₂ Malonyl chloride	C ₃ H ₄ BrN 3-Bromopropionitrile	
C ₃ H ₂ Cl ₂ O ₃ 4,5-Dichloro-1,3-dioxolan-2-one	C ₃ H ₄ Br ₂ 2,3-Dibromopropene	
	C ₃ H ₄ Br ₂ O 2-Bromopropionyl bromide	

C ₃ H ₆ Br ₃ 1,2,3-Tribromopropane	C ₃ H ₆ CINS Dimethylthiocarbamoyl chloride	C ₃ H ₆ O ₃ Dimethyl carbonate D(+)-Glyceraldehyde L(-)-Glyceraldehyde DL-Glyceraldehyde 3-Hydroxypropionic acid Methoxyacetic acid L(+)-Lactic acid Lactic acid Aluminum salt L-Lactic acid Sodium salt DL-Lactic acid Sodium salt Silver lactate 1,3,5-Trioxane
C ₃ H ₅ Cl Allyl chloride 2-Chloro-1-propene	C ₃ H ₆ Cl ₂ 1,2-Dichloropropane 1,3-Dichloropropane 2,2-Dichloropropane	C ₃ H ₆ O ₄ Glyceric acid
C ₃ H ₅ ClO Chloroacetone Epichlorohydrin Propionyl chloride	C ₃ H ₆ Cl ₂ O 2,2-Dichloroethyl methyl ether 1,3-Dichloro-2-propanol	C ₃ H ₆ S Allylmercaptan Propylene sulfide Trimethylene sulfide
C ₃ H ₅ ClOS S-Ethyl chlorothioformate	C ₃ H ₆ Cl ₂ Si Dichloromethylvinylsilane	C ₃ H ₆ S ₃ s-Trithiane (1,3,5)
C ₃ H ₅ ClO ₂ 2-Chloropropionic acid 3-Chloropropionic acid Ethyl chloroformate Methyl chloroacetate	C ₃ H ₆ Cl ₃ N Dichloromethylene dimethylimmonium chloride	C ₃ H ₇ Br 1-Bromopropane 2-Bromopropane
C ₃ H ₅ Cl ₃ 1,2,3-Trichloropropane	C ₃ H ₆ I ₂ 1,3-Diiodopropane	C ₃ H ₇ BrO 1-Bromo-2-propanol 3-Bromo-1-propanol
C ₃ H ₅ F ₃ O ₃ S Ethyl trifluoromethanesulfonate	C ₃ H ₆ MgO ₄ Magnesium methylcarbonate	C ₃ H ₇ BrO ₂ 3-Bromo-1,2-propandiol
C ₃ H ₅ I Allyliodid	C ₃ H ₆ NO ₄ P 2-Cyanoethyl phosphate Barium salt	C ₃ H ₇ Cl 1-Chloropropane 2-Chloropropane
C ₃ H ₅ N Propargylamine hydrochloride Propionitrile	C ₃ H ₆ N ₂ Dimethylcyanamide Methylaminoacetonitrile hydrochloride	C ₃ H ₇ ClO 2-Chloroethyl methyl ether 1-Chloro-2-propanol 3-Chloro-1-propanol
C ₃ H ₅ NO Acrylamide Ethyl isocyanate 3-Hydroxypropionitrile DL-Lactonitrile Methoxyacetoneitrile	C ₃ H ₆ N ₂ O 2-Imidazolidone	C ₃ H ₇ ClO ₂ 3-Chloro-1,2-propanediol
C ₃ H ₅ NO ₄ Methyl nitroacetate	C ₃ H ₆ N ₂ OS Acetylthiourea	C ₃ H ₇ CIS 2-Chloroethyl methyl sulfide
C ₃ H ₅ NS Ethyl isothiocyanate Ethyl thiocyanate	C ₃ H ₆ N ₂ O ₂ D-Cycloserine Malonamide	C ₃ H ₇ I 2-Iodopropane Propyl iodide
C ₃ H ₅ NS ₂ 2-Thiazoline-2-thiol	C ₃ H ₆ N ₄ 1,5-Dimethyltetrazole	C ₃ H ₇ N Allylamine Cyclopropylamine Propyleneimine Trimethylene imine
C ₃ H ₅ N ₃ 3-Aminopyrazole	C ₃ H ₆ N ₆ Melamine	C ₃ H ₇ NO Acetone oxime N-Ethylformamide N,N-Dimethylformamide N-Methylacetamide
C ₃ H ₅ N ₃ O Cyanoacetic acid hydrazide	C ₃ H ₆ O Acetone Allyl alcohol Methyl vinyl ether Propionaldehyde Propylene oxide Trimethylene oxide	C ₃ H ₇ NO ₂ L-Alanine D-Alanine DL-Alanine β-Alanine Glycine methyl ester hydrochloride 1-Nitropropane 2-Nitropropane Sarcosine Urethane
C ₃ H ₅ N ₃ O ₃ S 2-Aminothiazol nitrate	C ₃ H ₆ OS ₂ Potassium ethylxanthogenate	
C ₃ H ₅ O ₆ P Phosphoenolpyruvic acid Tris(cyclohexylamine) salt	C ₃ H ₆ O ₂ 1,3-Dioxolane Ethyl formate Glycidol Hydroxyacetone Methyl acetate Propionic acid	
C ₃ H ₆ Cyclopropane Propylene	C ₃ H ₆ O ₂ S 3-Mercaptopropionic acid 2-Methylthioacetic acid Methyl thioglycolate Thiolactic acid	
C ₃ H ₆ BrCl 1-Bromo-3-chloropropane		
C ₃ H ₆ Br ₂ 1,2-Dibromopropane 1,3-Dibromopropane		
C ₃ H ₆ Br ₂ O 2,3-Dibromo-1-propanol		
C ₃ H ₆ CINO Dimethylcarbomoyl chloride		

C ₃ H ₇ NO ₂ S	C ₃ H ₈ O ₂ S	C ₃ H ₈ O ₄ P
L-Cysteine	1-Thioglycerol	Trimethyl phosphate
D-Cysteine		
DL-Cysteine	C ₃ H ₈ O ₃	C ₃ H ₈ O ₆ P
D-Cysteine hydrochloride	Glycerol	Glycero-1-phosphate calcium salt
L-Cysteine hydrochloride		DL-α-Glycerophosphate Disodium salt
DL-Cysteine hydrochloride	C ₃ H ₈ O ₃ S	β-Glycerophosphate Disodium salt
	2-Hydroxyethyl methyl sulfone	
C ₃ H ₇ NO ₃	C ₃ H ₈ S	C ₃ H ₁₀ ClN ₃
Isopropyl nitrate	Ethyl methyl sulfide	1,1-Dimethylguanidine hydrochloride
L-Serine	1-Propanethiol	
D-Serine	2-Propanethiol	C ₃ H ₁₀ N ₂
DL-Serine		1,2-Diaminopropane
		1,3-Diaminopropane
C ₃ H ₇ NO ₅ S	C ₃ H ₈ S ₂	N-Methylethylenediamine
L-Cysteic acid	Formaldehyde dimethylmercaptal	Propylhydrazine oxalate
DL-Cysteic acid	1,2-Propanedithiol	
	1,3-Propanedithiol	C ₃ H ₁₀ N ₂ O
C ₃ H ₇ NS ₂	C ₃ H ₈ Al	1,3-Diamino-2-propanol
Sodium dimethyldithiocarbamate	Trimethylaluminum	
C ₃ H ₇ N ₃ O ₂	C ₃ H ₈ AlO ₃	C ₃ H ₁₂ BN
Glycocyanine	Aluminum methylate	Borane Trimethylamine Complex
N-Nitroso-N-ethylurea		
C ₃ H ₇ N ₅ O ₃	C ₃ H ₈ BF ₄ O	C ₃ La ₂ O ₉
Hydrazine cyanurate	Trimethyloxonium tetrafluoroborate	Lanthanum carbonate
C ₃ H ₇ O ₅ P	C ₃ H ₈ BO ₃	C ₄ BaN ₄ Pt
3-Phosphonopropionic acid	Trimethyl borate	Barium Tetracyanoplatinate(II)
C ₃ H ₇ O ₇ P	C ₃ H ₈ BrSi	C ₄ ClF ₇ O
D-2-Phosphoglyceric acid Barium salt	Trimethylbromosilane	Heptafluorobutyl chloride
D-3-Phosphoglyceric acid Barium salt		
C ₃ H ₈	C ₃ H ₈ ClOS	C ₄ Cl ₂ O ₃
Propane	Trimethylsulfoxonium chloride	2,3-Dichloromaleic anhydride
C ₃ H ₈ BrClSi	C ₃ H ₈ ClO ₃ SSi	C ₄ Cl ₆
Bromomethyl dimethylchlorosilane	Trimethylsilyl chlorosulfonate	Hexachloro-1,3-butadiene
C ₃ H ₈ CIN	C ₃ H ₈ ClSi	C ₄ Cl ₆ O ₃
3-Chloropropylamine hydrochloride	Trimethylchlorosilane	Trichloroacetic anhydride
N,N-Dimethyl-		
methylenimmonium chloride	C ₃ H ₈ ClSn	C ₄ D ₈ O ₂
	Trimethyltin chloride	Dioxane-d ₈
C ₃ H ₈ Cl ₂ Si	C ₃ H ₈ IOS	C ₄ F ₆ O ₃
Chloromethyldimethyl chlorosilane	Trimethylsulfoxonium iodide	Trifluoroacetic anhydride
C ₃ H ₈ NO ₆ P	C ₃ H ₈ IS	C ₄ F ₈ KO ₃ S
DL-Phosphoserine	Trimethyl sulfonium iodide	Potassium nonafluorobutanesulfonate
C ₃ H ₈ N ₂ O	C ₃ H ₈ ISi	C ₄ FeNa ₂ O ₄
1,3-Diaminoacetone dihydrochloride	Iodotrimethylsilane	di-Sodiumtetracarbonylferrate
N,N'-Dimethylurea (sym.)		Dioxane-Complex
N-Ethylurea	C ₃ H ₈ N	C ₄ HClO ₃
C ₃ H ₈ N ₂ O ₂	N-Ethylethylamine	Chloromaleic anhydride
DL-2,3-Diaminopropionic acid	Isopropylamine	
monohydrochloride	Propylamine	C ₄ HF ₆ NO ₂
Ethyl carbazate	Propylamine hydrochloride	Bis-(trifluoroacetamide)
	Trimethylamine	
	Trimethylamine hydrochloride	C ₄ HF ₇ O ₂
C ₃ H ₈ N ₂ S		Heptafluorobutyric acid
N-Ethyl thiourea	C ₃ H ₈ NO	C ₄ HKO ₄
	L-Alaninol	Acetylenedicarboxylic acid
	DL-Alaninol	Monopotassium salt
C ₃ H ₈ O	1-Amino-2-propanol	
Isopropyl alcohol	3-Amino-1-propanol	C ₄ H ₂ Br ₂ O ₃
Propyl alcohol	2-Methoxyethylamine	Mucobromic acid
	2-Methylaminoethanol	
C ₃ H ₈ OS	Trimethylamine-N-oxide	C ₄ H ₂ ClN ₃ O ₂
2-(Methylthio)ethanol		2-Chloro-5-nitropyrimidine
C ₃ H ₈ OS ₂	C ₃ H ₈ N ₃ O ₃	C ₄ H ₂ Cl ₂ N ₂
2,3-Dimercapto-1-propanol	Formaldoxime hydrochloride	4,6-Dichloropyrimidine
Methyl methylthiomethyl sulfoxide	C ₃ H ₈ N ₃ Si	C ₄ H ₂ Cl ₂ O ₂
	Trimethylsilylazide	Fumaryl chloride
C ₃ H ₈ O ₂		
Formaldehyde dimethyl acetal	C ₃ H ₈ O ₃ P	C ₄ H ₂ Cl ₂ O ₃
2-Methoxyethanol	Trimethyl phosphite	Mucochloric acid
1,2-Propanediol		
1,3-Propanediol		C ₄ H ₂ F ₇ NO
		Heptafluorobutyramide

C ₄ H ₂ N ₂ Fumaronitrile	C ₄ H ₄ N ₂ O 4(6)-Hydroxypyrimidine 2-Hydroxypyrimidine hydrochloride	C ₄ H ₅ Cl ₃ O ₂ Ethyl trichloroacetate
C ₄ H ₂ N ₂ O ₆ Alloxan	C ₄ H ₄ N ₂ OS 2-Thiouracil	C ₄ H ₅ F ₃ OS S-Ethyl trifluorothioacetate
C ₄ H ₂ O ₃ Maleic anhydride	C ₄ H ₄ N ₂ O ₂ 4,6-Dihydroxypyrimidine Maleic hydrazide Uracil	C ₄ H ₅ F ₃ O ₂ Ethyl trifluoroacetate
C ₄ H ₂ O ₄ Acetylenedicarboxylic acid 3,4-Dihydroxy-3-cyclobutene-1,2-dione	C ₄ H ₄ N ₂ O ₂ S 2-Thiobarbituric acid	C ₄ H ₅ N Allyl cyanide Crotononitrile Cyclopropane carbonitrile Methacrylonitrile Pyrrole
C ₄ H ₃ BrN ₂ O ₂ 5-Bromouracil	C ₄ H ₄ N ₂ O ₃ Barbituric acid Isobarbituric acid Sodium barbiturate	C ₄ H ₅ NO 5-Methylisoxazole
C ₄ H ₃ BrS 2-Bromothiophene 3-Bromothiophene	C ₄ H ₄ N ₂ S 2-Mercaptopyrimidine	C ₄ H ₅ NO ₂ Methyl cyanoacetate 3-Methylisoxazol-5(4H)-one Succinimide
C ₄ H ₃ CIN ₂ 2-Chloropyrimidine	C ₄ H ₄ N ₄ Diaminomaleonitrile	C ₄ H ₅ NO ₃ N-Hydroxysuccinimide
C ₄ H ₃ CIN ₂ O ₃ 5-Chlorobarbituric acid	C ₄ H ₄ N ₆ 8-Azaadenine	C ₄ H ₅ NS Allyl isothiocyanate
C ₄ H ₃ CIS 2-Chlorothiophene	C ₄ H ₄ N ₆ O 8-Azaguanine	C ₄ H ₅ N ₃ Aminopyrazine 2-Aminopyrimidine Iminodiacetonitrile
C ₄ H ₃ Cl ₂ N ₃ 2-Amino-4,6-dichloropyrimidine	C ₄ H ₄ O Furane	C ₄ H ₅ N ₃ O Cytosine
C ₄ H ₃ FN ₂ O ₂ 5-Fluorouracil	C ₄ H ₄ O ₂ γ-Crotonolactone Diketene Methyl propiolate	C ₄ H ₅ N ₃ O ₂ 4(6)-Aminouracil 5-Aminouracil 6-Azathymine Cyanoacetylurea
C ₄ H ₃ F ₃ N ₂ O ₂ S 1-(Trifluoromethanesulfonyl)imidazole	C ₄ H ₄ O ₃ Succinic anhydride	C ₄ H ₆ 1,3-Butadiene 2-Butyne Methylenecyclopropane
C ₄ H ₃ IS 2-Iodothiophene	C ₄ H ₄ O ₄ Fumaric acid Fumaric acid Disodium salt Maleic acid Maleic acid Disodium salt	C ₄ H ₆ BaO ₄ Barium acetate
C ₄ H ₃ NO ₂ Maleimide	C ₄ H ₄ O ₅ Oxalacetic acid	C ₄ H ₆ BrN 4-Bromobutyronitrile
C ₄ H ₃ NO ₃ N-Hydroxymaleimide	C ₄ H ₄ O ₆ Dihydroxyfumaric acid	C ₄ H ₆ Br ₂ trans-1,4-Dibromo-2-butene
C ₄ H ₃ N ₃ O ₄ 5-Nitrouracil Violuric acid	C ₄ H ₄ O ₈ Potassium tetraoxalate	C ₄ H ₆ Br ₂ O 2-Bromobutyryl bromide α-Bromoisobutyryl bromide
C ₄ H ₃ N ₅ O ₂ 8-Azaxanthine	C ₄ H ₄ S Thiophene	C ₄ H ₆ Br ₂ O ₂ Methyl 2,3-dibromopropionate
C ₄ H ₄ BrNO ₂ N-Bromosuccinimide	C ₄ H ₅ BrO ₂ 2-Bromo-4-butyrolactone	C ₄ H ₆ CIN 4-Chlorobutyronitrile
C ₄ H ₄ Br ₂ O ₄ meso-2,3-Dibromosuccinic acid	C ₄ H ₅ BrO ₄ Bromosuccinic acid	C ₄ H ₆ Cl ₂ trans-1,4-Dichloro-2-butene
C ₄ H ₄ CINO ₂ N-Chlorosuccinimide	C ₄ H ₅ ClO Crotonyl chloride Cyclopropanecarbonyl chloride Methacryloyl chloride	C ₄ H ₆ Cl ₂ O 4-Chlorobutyryl chloride
C ₄ H ₄ Cl ₂ cis-3,4-Dichlorocyclobutene	C ₄ H ₅ ClO ₂ Allyl chloroformate	C ₄ H ₆ Cl ₂ O ₂ Ethyl dichloroacetate α,β-Dichloroisobutyric acid Sodium salt Methyl 2,3-dichloropropionate
C ₄ H ₄ Cl ₂ O ₂ Succinyl chloride	C ₄ H ₅ ClO ₃ Methyl malonyl chloride Ethyl oxalyl chloride	
C ₄ H ₄ Cl ₂ O ₃ Chloroacetic anhydride	C ₄ H ₅ ClO ₄ Chlorosuccinic acid	
C ₄ H ₄ INO ₂ N-Iodosuccinimide		
C ₄ H ₄ KO ₇ Sb Potassium antimony(III)oxidetartrate		
C ₄ H ₄ N ₂ Pyrazine Pyridazine Pyrimidine Succinonitrile		

C₄H₈HgO₄
Mercuric acetate

C₄H₈N₂
3-Aminocrotononitrile
1-Methylimidazole
2-Methylimidazole
4(5)-Methylimidazole

C₄H₈N₂O
3-Amino-5-methylisoxazole

C₄H₈N₂O₂
Ethyl diazoacetate
Fumaric diamide
Glycine anhydride
Muscimol

C₄H₈N₂O₂S
1-Methanesulfonylimidazole

C₄H₈N₂S
2-Mercapto-1-methylimidazole

C₄H₈N₄O
4-Amino-5-imidazolecarboxamide
hydrochloride
4,5-Diamino-6-hydroxy-pyrimidine
sulfate

C₄H₈N₄OS
4,5-Diamino-6-hydroxy-2-mercapto-
pyrimidine

C₄H₈N₄O₂
4,5-Diamino-2,6-dihydroxy-
pyrimidine sulfate

C₄H₈N₄O₃
Allantoin

C₄H₈O
3-Buten-2-one
3-Butyn-2-ol
Crotonaldehyde
Cyclobutanone
2,3-Dihydrofurane
2,5-Dihydrofurane
Ethoxyacetylene
Methacrolein

C₄H₈O₂
1,3-Butadiene diepoxide
2,3-Butanedione
2-Butyne-1,4-diol
4-Butyrolactone
Crotonic acid
Cyclopropanecarboxylic acid
Methacrylic acid monomer
Methyl acrylate
Vinyl acetate
Vinylacetic acid

C₄H₈O₂S
3-Sulfolene
Vinyl sulfone

C₄H₈O₃
Acetic anhydride
Methyl pyruvate
2-Oxobutyric acid
2-Oxobutyric acid Sodium salt
Propylene carbonate

C₄H₈O₄
Dimethyl oxalate
Methylmalonic acid
Monomethyl malonate Potassium salt
Succinic acid
Succinic acid Disodium salt

C₄H₈O₄Pb
Lead(II)-acetate basic
Lead(II)-acetate

C₄H₈O₄Pd
Palladium-(II)-acetate

C₄H₈O₄Rh
Rhodium(II)-acetate

C₄H₈O₄S
Thiomalic acid
Thiodiglycolic acid

C₄H₈O₄S₂
meso-2,3-Dimercaptosuccinic acid

C₄H₈O₄Zn
Zinc acetate

C₄H₈O₅
Diglycolic acid
Dimethyl dicarbonate
α-Isomalic acid
L(-)-Malic acid
D(+)-Malic acid
DL-Malic acid

C₄H₈O₆
Ammonium sodiumtartrate
Calcium tartrate
Lead (II) tartrate
Potassium hydrogen-L-tartrate
di-Potassium tartrate
Potassium sodiumtartrate
Sodium hydrogentartrate
di-Sodium tartrate
L(+)-Tartaric acid
D(-)-Tartaric acid
DL-Tartaric acid
meso-Tartaric acid

C₄H₈O₆U
Uranyl acetate

C₄H₈O₈
Dihydroxytartaric acid Disodium salt

C₄H₇Br
4-Bromo-1-butene
Bromocyclobutane
Crotyl bromide

C₄H₇BrO₂
2-Bromobutyric acid
α-Bromoisobutyric acid
2-Bromomethyl-1,3-dioxolane
Ethyl bromoacetate
Methyl 2-bromopropionate
Methyl 3-bromopropionate

C₄H₇Cl
3-Chloro-1-butene
Crotyl chloride
β-Methallyl chloride

C₄H₇ClO
Butyryl chloride
3-Chloro-2-butanone
Isobutyryl chloride

C₄H₇ClO₂
4-Chlorobutyric acid
Ethyl chloroacetate
Methyl 2-chloropropionate

C₄H₇Cl₃O
α,α,α-Trichloro-tert-butyl alcohol

C₄H₇FO₂
Ethyl fluoroacetate

C₄H₇IO₂
Ethyl iodoacetate

C₄H₇N
Butyronitrile
Isobutyronitrile

C₄H₇NO
Acetone cyanohydrin
Cyclopropanecarboxamide
Isopropyl isocyanate
Methacrylamide
3-Methoxypropionitrile
Propionaldehyde cyanohydrin
Propyl isocyanate
2-Pyrrolidone

C₄H₇NOS
DL-Homocysteine thiolactone
hydrochloride
Thioacetylacetamide hydrochloride

C₄H₇NO₂
2-Amino-4-butyrolactone
hydrobromide
2,3-Butanedione oxime
Diacetamide
N-Hydroxymethylacrylamide

C₄H₇NO₂S
L-Thiazolidine-4-carboxylic acid

C₄H₇NO₃
Ethyl oxamate

C₄H₇NO₄
L-Aspartic acid
D-Aspartic acid
DL-Aspartic acid
L-Aspartic acid Potassium salt
DL-Aspartic acid Potassium salt
L-Aspartic acid Potassium
Magnesiumsalt
L-Aspartic acid Magnesium salt
DL-Aspartic acid Magnesium salt
Iminodiacetic acid
Iminodiacetic acid Disodium salt

C₄H₇NS
2-Methyl-2-thiazoline

C₄H₇NS₂
2-Methylmercapto-2-thiazoline

C₄H₇N₃O
Creatinine

C₄H₇N₃
2,4,6-Triaminopyrimidine

C₄H₇N₃O
4-Hydroxy-2,5,6-triaminopyrimidine
sulfate

C₄H₇O₂
2-Chlorobutyric acid

C₄H₇O₄
Cadmiumacetate

C₄H₈
1-Butene
cis-2-Butene
trans-2-Butene
2-Methylpropene

- C₄H₈Br₂
 1,3-Dibromobutane
 1,4-Dibromobutane
- C₄H₈Cl₂
 1,4-Dichlorobutane
- C₄H₈Cl₂O
 Ethyl 1,2-dichloroethyl ether
 2-Chloroethyl ether
- C₄H₈N₂
 Dimethylaminoacetonitrile
 Lysidine
 3-Methylaminopropionitrile
- C₄H₈N₂O
 N-Allylurea
 1-Nitrosopyrrolidine
- C₄H₈N₂O₂
 N-Acetylglycinamide
 Dimethylglyoxime
 Dimethylglyoxime Disodium salt
 Methoxymalonamide
 Succinamide
- C₄H₈N₂O₃
 L-Asparagine
 D-Asparagine
 DL-Asparagine
 Glycyl-glycine
- C₄H₈N₂O₃S
 S-Carbamoyl-L-cysteine
- C₄H₈N₂O₄
 meso-Diaminosuccinic acid
- C₄H₈N₂S
 N-Allylthiourea
- C₄H₈O
 2-Butanone
 3-Buten-1-ol
 Butyraldehyde
 Crotyl alcohol
 1,2-Epoxybutane
 Ethyl vinyl ether
 Hydroxymethylcyclopropane
 Isobutyraldehyde
 2-Methyloxypropane
 β-Methallyl alcohol
 Tetrahydrofuran
- C₄H₈OS
 3-(Methylmercapto)propionaldehyde
- C₄H₈O₂
 Acetoin dimer
 cis-2-Butene-1,4-diol
 Butyric acid
 Dioxane
 1,3-Dioxane
 Ethyl acetate
 3-Hydroxytetrahydrofuran
 Isobutyric acid
 Isopropyl formate
 Methyl propionate
 Propyl formate
- C₄H₈O₂S
 Ethyl thioglycolate
 Sulfolane
- C₄H₈O₂S₂
 2,5-Dihydroxy-1,4-dithiane
- C₄H₈O₃
 2-Acetoxyethanol
 Ethoxyacetic acid
 Glycerol formal
 3-Hydroxybutyric acid
 2-Hydroxybutyric acid Sodium salt
 3-Hydroxybutyric acid Sodium salt
 4-Hydroxybutyric acid Sodium salt
 α-Hydroxyisobutyric acid
 Methyl DL-lactate
 Methyl methoxyacetate
- C₄H₈O₃S
 1,4-Butanesultone
- C₄H₈O₄
 Calcium acetate
 Cobalt(II) acetate
 Copper(II) acetate
 D(-)Erythrose
 Magnesium acetate
 Nickel(II) acetate
- C₄H₈S
 Tetrahydrothiophene
- C₄H₈S₂
 1,3-Dithiane
- C₄H₉AlCl₂
 Isobutylaluminum dichloride
- C₄H₉Br
 1-Bromobutane
 2-Bromobutane
 2-Bromo-2-methyl propane
 Isobutyl bromide
- C₄H₉BrO₂
 Bromoacetaldehyde dimethylacetal
- C₄H₉Cl
 1-Chlorobutane
 2-Chlorobutane
 2-Chloro-2-methyl propane
- C₄H₉ClO
 4-Chloro-1-butanol
 2-Chloroethyl ethyl ether
 1-Chloro-2-methyl-2-propanol
- C₄H₉ClO₂
 Chloroacetaldehyde dimethyl acetal
 Diethylene glycol monochlorohydrin
 β-Methoxyethoxy methylchloride
- C₄H₉Cl₃Si
 3-Chloropropyl-methyldichlorosilane
- C₄H₉Cl₃Sn
 Butyltin trichloride
- C₄H₉F₃O₃SSi
 Trimethylsilyl trifluoromethanesulfonate
- C₄H₉I
 1-Iodobutane
 1-Iodo-2-methylpropane
 2-Iodo-2-methylpropane
- C₄H₉KO
 Potassium tert-butylate
- C₄H₉Li
 Butyllithium
 tert-Butyllithium
- C₄H₉N
 N-Allylmethylamine
 Cyclobutylamine
 Pivalonitrile
 Pyrrolidine
- C₄H₉NO
 2-Butanone oxime
 N-tert-Butylformamide
 Butyramide
 N,N-Dimethylacetamide
 N-Ethylacetamide
 Morpholine
- C₄H₉NO₂
 L-Alanine methyl ester hydrochloride
 L-2-Aminobutyric acid
 D-2-Aminobutyric acid
 DL-2-Aminobutyric acid
 4-Aminobutyric acid
 2-Amino-4-butyrolactone hydrobromide
 α-Aminoisobutyric acid
 tert-Butyl nitrite
 N,N-Dimethylglycine
 N,N-Dimethylglycine hydrochloride
 Ethyl acetohydroxamate
 Glycine ethyl ester hydrochloride
 DL-Homocysteine
 2-Methyl-2-nitropropane
 1-Nitrobutane
- C₄H₉NO₂S
 L-Cysteine methyl ester hydrochloride
 S-Methyl-L-cysteine
- C₄H₉NO₃
 L-Allothreonine
 D-Allothreonine
 L-Homoserine
 DL-Homoserine
 2-Methyl-2-nitro-1-propanol
 L-Serine methyl ester hydrochloride
 L-Threonine allo free
 D-Threonine allo free
 DL-Threonine allo free
- C₄H₉NO₃
 Tris(hydroxymethyl)nitromethane
- C₄H₉NO₆
 Ammoniumhydrogen tartrate
- C₄H₉NS
 Thiomorpholine
 Thiomorpholine hydrochloride
- C₄H₉NS₂
 5,6-Dihydro-s-methyl-4H-1,3,5-dithiazine
- C₄H₉NSSi
 Trimethylsilyl isothiocyanate
- C₄H₉NSi
 Trimethylsilylcyanide
- C₄H₉N₃O₂
 Creatine
 Glycyl-glycinamide hydrochloride
- C₄H₉NaO
 Sodium butylate
- C₄H₉O₃SSi
 Trimethylsilyl methanesulfonate

C ₄ H ₁₀ Butane 2-Methylpropane	C ₄ H ₁₀ O ₂ S Thiodiethylene glycol	C ₄ H ₁₁ NO ₃ Tris(hydroxymethyl)aminomethane Tris(hydroxymethyl)aminomethane acetate Tris(hydroxymethyl)aminomethane hemisulfate Tris(hydroxymethyl)aminomethane laurylsulfate Tris(hydroxymethyl)aminomethane maleate Tris(hydroxymethyl)aminomethane phosphate Tris(hydroxymethyl)aminomethane succinate
C ₄ H ₁₀ AlCl Chlorodiethylaluminum	C ₄ H ₁₀ O ₂ S ₂ 1,4-Dithioerythritol (-)-1,4-Dithio-L-threitol 1,4-Dithio-DL-threitol	C ₄ H ₁₁ NS 2-Dimethylaminoethanethiol hydrochloride
C ₄ H ₁₀ CIN 1-Chloro-2-dimethylaminoethane hydrochloride	C ₄ H ₁₀ O ₃ 1,2,4-Butanetriol Diethylene glycol Trimethyl orthoformate	C ₄ H ₁₁ N ₃ O Girard Reagent D
C ₄ H ₁₀ CINO Ethyl acetimidate hydrochloride	C ₄ H ₁₀ O ₃ S Butanesulfonic acid Sodium salt Diethyl sulfite	C ₄ H ₁₁ O ₃ P Diethyl phosphite
C ₄ H ₁₀ ClO ₂ P Diethyl chlorophosphite	C ₄ H ₁₀ O ₄ meso-Erythrol	C ₄ H ₁₂ BF ₄ N Tetramethylammonium tetrafluoroborate
C ₄ H ₁₀ ClO ₃ P Diethyl chlorophosphate	C ₄ H ₁₀ O ₄ S Diethyl sulfate	C ₄ H ₁₂ BrN Tetramethylammonium bromide
C ₄ H ₁₀ Cl ₂ Si Diethyldichlorosilane	C ₄ H ₁₀ S 1-Butanethiol 2-Butanethiol Ethyl sulfide 2-Methyl-1-propanethiol 2-Methyl-2-propanethiol	C ₄ H ₁₂ Br ₃ N Tetramethylammonium tribromide
C ₄ H ₁₀ CrN ₇ S ₄ Reinecke salt	C ₄ H ₁₁ Al Diethylaluminum hydride	C ₄ H ₁₂ CIN Tetramethylammonium chloride
C ₄ H ₁₀ MgO ₂ Magnesium ethylate	C ₄ H ₁₁ BO ₂ Butylboronic acid	C ₄ H ₁₂ CINO ₄ Tetramethylammonium perchlorate
C ₄ H ₁₀ N ₂ Piperazine	C ₄ H ₁₁ ClSi (Chloromethyl)trimethylsilane	C ₄ H ₁₂ ClO ₄ P Tetrakis(hydroxymethyl)-phosphonium- chloride
C ₄ H ₁₀ N ₂ O N-Nitrosodiethylamine	C ₄ H ₁₁ ISi (Iodomethyl) trimethylsilane	C ₄ H ₁₂ F ₆ NP Tetramethylammonium hexafluoro- phosphate
C ₄ H ₁₀ N ₂ O ₂ L-2,4-Diaminobutyric acid dihydrochloride DL-2,4-Diaminobutyric acid dihydrochloride	C ₄ H ₁₁ N Butylamine sec-Butylamine tert-Butylamine Diethylamine Diethylamine dihydrogenphosphate Diethylamine hydrochloride N-Dimethylethylamine N-Ethyldimethylamine Isobutylamine	C ₄ H ₁₂ IN Tetramethylammonium iodide
C ₄ H ₁₀ N ₂ O ₄ S N-(2-Acetamido)-2-aminoethanesulfonic acid	C ₄ H ₁₁ NO (±)-2-Amino-1-butanol (rac.) (+)-2-Amino-1-butanol (-)-2-Amino-1-butanol 4-Amino-1-butanol 2-Amino-2-methyl-1-propanol O-tert-Butylhydroxylamine hydrochloride 2-Dimethylaminoethanol 2-Dimethylaminoethanol-D- hydrogentartrate 2-Ethylaminoethanol 3-Methoxypropylamine	C ₄ H ₁₂ N ₂ tert-Butylhydrazine hydrochloride Butylhydrazine oxalate 1,4-Diaminobutane 1,4-Diaminobutane dihydrochloride N,N'-Dimethylethylenediamine (sym.) 2-Dimethylaminoethylamine 2-Ethylaminoethylamine 3-Methylaminopropylamine Tetramethylhydrazine
C ₄ H ₁₀ N ₃ O ₅ P Creatine phosphate Barium salt Creatine phosphate Disodium salt	C ₄ H ₁₁ NO ₂ Aminoacetaldehyde dimethyl acetal 2-Amino-2-methyl-1,3-propanediol Diethanolamine N,N-Dimethylformamide ethylene acetal Isopentyl nitrite	C ₄ H ₁₂ N ₂ O N-(2-Hydroxyethyl)ethylenediamine
C ₄ H ₁₀ N ₄ O ₂ L-2-Amino-3-guanidinopropionic acid hydrochloride		C ₄ H ₁₂ N ₂ O ₃ Tetramethylammonium nitrate
C ₄ H ₁₀ N ₄ O ₄ L(+)-Tartaric acid dihydrazide D(-)-Tartaric acid dihydrazide		C ₄ H ₁₂ N ₂ O ₆ di-Ammonium tartrate
C ₄ H ₁₀ O S(+)-2-Butanol R(-)-2-Butanol Butyl alcohol sec-Butyl alcohol tert-Butyl alcohol Ethyl ether Isobutyl alcohol		C ₄ H ₁₂ N ₂ S ₂ Cystamine dihydrochloride
C ₄ H ₁₀ OS ₂ (2-Mercaptoethyl)ether		C ₄ H ₁₂ N ₄ S ₂ S-Methylisothiurea sulfate
C ₄ H ₁₀ O ₂ 1,3-Butanediol 1,4-Butanediol D(-)-2,3-Butanediol 2,3-Butanediol tert-Butylhydroperoxide 1,2-Dimethoxyethane 2-Ethoxyethanol 1-Methoxy-2-propanol		C ₄ H ₁₂ O ₄ Si Tetramethoxysilane

C ₄ H ₁₂ SSi (Methylthio)trimethylsilane	C ₅ H ₅ ClO ₂ 2-Furoyl chloride	C ₅ H ₅ CIN ₂ 2-Amino-5-chloropyridine 3-Amino-2-chloropyridine
C ₄ H ₁₂ Si Tetramethylsilane	C ₅ H ₅ Cl ₂ N 2,6-Dichloropyridine 3,5-Dichloropyridine	C ₅ H ₅ CIN ₂ O ₂ 6-(Chloromethyl)uracil
C ₄ H ₁₂ Sn Tetramethyltin	C ₅ H ₅ F ₃ N ₂ O ₂ N-(Trifluoroacetyl)imidazole	C ₅ H ₅ F ₃ O ₂ 1,1,1-Trifluoro-2,4-pentanedione
C ₄ H ₁₃ NO Tetramethylammonium hydroxide	C ₅ H ₅ F ₆ NO ₂ N-Methyl-bistrifluoroacetamide	C ₅ H ₅ F ₅ O ₂ Ethyl pentafluoropropionate
C ₄ H ₁₃ NO ₄ S Tetramethylammonium hydrogensulfate	C ₅ H ₅ BrN 2-Bromopyridine 3-Bromopyridine 4-Bromopyridine hydrochloride	C ₅ H ₅ N cis, trans-1-Cyano-1,3-butadiene Pyridine Pyridine bases Pyridine hydrobromide perbromide Pyridine hydrochloride
C ₄ H ₁₃ N ₃ Diethylenetriamine	C ₅ H ₅ ClN 2-Chloropyridine 3-Chloropyridine 4-Chloropyridine hydrochloride	C ₅ H ₅ NO 2-Hydroxypyridine 3-Hydroxypyridine 4-Hydroxypyridine Pyridine-N-oxide Pyrrole-2-carboxaldehyde
C ₄ H ₁₄ BN Borane tert-Butylamine Complex	C ₅ H ₅ ClNO 4-Chloropyridine-N-oxide	C ₅ H ₅ NOS 2-Mercaptopyridine-1-oxide Sodium salt
C ₄ H ₁₅ NSi ₂ 1,1,3,3-Tetramethyldisilazane	C ₅ H ₅ ClN ₆ 2-Amino-6-chloropurine	C ₅ H ₅ NO ₂ 1-Acetoxy-1-cyanoethylene 2,6-Dihydroxypyridine hydrochloride Pyrrole-2-carboxylic acid
C ₄ H ₁₆ BN Tetramethylammonium borohydride	C ₅ H ₅ Cl ₂ N ₂ 3-Amino-2,6-dichloropyridine	C ₅ H ₅ NO ₃ S Pyridine-3-sulfonic acid
C ₄ I ₄ S Tetraiodothiophene	C ₅ H ₅ FN 2-Fluoropyridine	C ₅ H ₅ NS 2-Mercaptopyridine
C ₄ K ₂ N ₄ Pt Potassium tetracyanoplatinate(II)	C ₅ H ₅ N ₂ O ₂ Pyrazine carboxylic acid	C ₅ H ₅ N ₃ 1,4,5-Triazanaphthalene
C ₅ BrO ₅ Re Rheniumpentacarbonyl bromide	C ₅ H ₅ N ₂ O ₃ 2-Hydroxy-5-nitropyridine 4-Nitropyridine-1-oxide	C ₅ H ₅ N ₃ O Pyrazinecarboxamide
C ₅ ClO ₅ Rheniumpentacarbonyl chloride	C ₅ H ₅ N ₂ O ₄ 5-Carboxy-uracil Orotic acid Orotic acid Lithium salt Orotic acid Zinc salt Pyrazole-3,5-dicarboxylic acid	C ₅ H ₅ N ₃ O ₂ 2-Amino-5-nitropyridine 3-Aminopyrazine-2-carboxylic acid
C ₅ Cl ₅ N Pentachloropyridine	C ₅ H ₅ N ₄ Purine	C ₅ H ₅ N ₃ O ₃ S N-(5-Nitro-2-thiazolyl)acetamide
C ₅ Cl ₆ Hexachlorocyclopentadiene	C ₅ H ₅ N ₄ O Hypoxanthine	C ₅ H ₅ N ₅ Adenine Adenine-monohydrochloride
C ₅ D ₅ N Pyridine-d ₅	C ₅ H ₅ N ₄ O ₂ Xanthine	C ₅ H ₅ N ₅ O Guanine Guanine hydrochloride
C ₅ F ₅ N Pentafluoropyridine	C ₅ H ₅ N ₄ O ₃ Uric acid	C ₅ H ₅ N ₅ S 6-Thioguanine
C ₅ FeN ₅ Na ₂ O Sodium nitroprusside	C ₅ H ₅ N ₄ S 6-Mercaptopurine	C ₅ H ₅ TI Cyclopentadienylthallium(I)
C ₅ FeO ₅ Iron pentacarbonyl	C ₅ H ₅ N ₄ S Thiophene-2-carboxaldehyde Thiophene-3-carboxaldehyde	C ₅ H ₅ Br ₂ N ₂ O ₂ 1,3-Dibromo-5,5-dimethylhydantoin
C ₅ HCl ₃ N ₄ 2,6,8-Trichloropurine Ammonium salt	C ₅ H ₄ O ₂ 4-Cyclopentene-1,3-dione 2-Furaldehyde α-Pyrone β-Pyrone	C ₅ H ₅ ClCrNO ₃ Pyridinium chlorochromate
C ₅ H ₂ CIN ₃ O ₄ 2-Chloro-3,5-dinitropyridine	C ₅ H ₄ O ₂ S Thiophene-2-carboxylic acid	C ₅ H ₅ Cl ₂ O ₂ Glutaryl chloride
C ₅ H ₂ F ₆ O ₂ Hexafluoroacetylacetone	C ₅ H ₄ O ₃ Citraconic anhydride Furan-2-carboxylic acid Furan-3-carboxylic acid Itaconic anhydride	C ₅ H ₅ Cl ₄ O ₂ 2,2,2-Trichloro-tert-butoxycarbonyl chloroformate
C ₅ H ₂ F ₈ O ₄ Hexafluoroglutaric acid		
C ₅ H ₃ Br ₂ N 2,6-Dibromopyridine		
C ₅ H ₃ CIN ₂ O ₂ 2-Chloro-3-nitropyridine 2-Chloro-5-nitropyridine		
C ₅ H ₃ CIN ₄ 6-Chloropurine		
C ₅ H ₃ ClOS Thiophene-2-carboxyl chloride		

C ₅ H ₈ K ₂ O ₅ (±)-Citramalic acid Dipotassium salt	C ₅ H ₇ BrO ₄ Dimethyl bromomalonate	C ₅ H ₈ N ₂ S ₂ Cyanomethyl N,N-dimethyldithio- carbamate
C ₅ H ₈ FN Hydrogen fluoride pyridine	C ₅ H ₇ ClO ₃ 3-Carbomethoxypropionyl chloride Ethyl malonyl chloride Methyl 2-chloroacetoacetate	C ₅ H ₈ O Acetylcyclopropane Cyclopentanone 3,4-Dihydro-2H-pyran 2-Methyl-3-butyne-2-ol 1-Penten-3-one Tiglic aldehyde
C ₅ H ₈ N Sulfur trioxide Pyridine Complex	C ₅ H ₇ ClO ₄ Dimethyl chloromalonate	C ₅ H ₈ OS Tetrahydro-4H-thiapyran-4-one
C ₅ H ₈ N ₂ 2-Aminopyridine 3-Aminopyridine 4-Aminopyridine Glutaronitrile 2-Methylpyrazine 4-Methylpyrimidine 5-Methylpyrimidine 1-Vinylimidazole	C ₅ H ₇ FeN ₃ Na ₂ Ammonium disodium pentacyano- amminferrate	C ₅ H ₈ O ₂ Acetylacetone Allyl acetate Allylacetic acid Cyclobutanecarboxylic acid 3,3-Dimethylacrylic acid Ethyl acrylate Glutaraldehyde Methyl crotonate 1-Methylcyclopropanecarboxylic acid 2-Methylcyclopropanecarboxylic acid Methyl methacrylate 2,3-Pentanedione trans-2-Pentenoic acid Tetrahydro-4H-pyran-4-one Tiglic acid γ-Valerolactone δ-Valerolactone
C ₅ H ₈ N ₂ O 1-Acetylimidazole 2-Amino-3-hydroxypyridine 2-Amino-6-hydroxypyridine	C ₅ H ₇ N 3,3-Dimethylacrylonitrile 2-Methyl-2-butenenitrile 2-Methyl-3-butenenitrile 1-Methylpyrrole 2-Pentenitrile 3-Pentenitrile	C ₅ H ₈ O ₃ Ethyl pyruvate 2-Hydroxyethyl acrylate Levulinic acid Methyl acetoacetate Methyl acetoacetate Sodium salt 3-Methyl-2-oxobutyric acid Sodium salt 2-Oxo-n-valeric acid
C ₅ H ₈ N ₂ OS 4(6)-Methyl-2-thiouracil	C ₅ H ₇ NO Furfurylamine	C ₅ H ₈ O ₄ Dimethylmalonic acid Dimethyl malonate Ethylmalonic acid Glutaric acid Methylsuccinic acid
C ₅ H ₈ N ₂ O ₂ 2-Furoic acid hydrazide 4(6)-Methyluracil Thymine	C ₅ H ₇ NO ₂ Ethyl cyanoacetate Ethyl isocyanoacetate	C ₅ H ₈ O ₅ L-2-Hydroxyglutaric acid Disodium salt L-2-Hydroxyglutaric acid Zinc salt D(+)-Ribonic acid γ-lactone
C ₅ H ₈ N ₂ O ₃ Ethyl oximinocyanoacetate	C ₅ H ₇ NO ₃ 2-Acetaminoacrylic acid L-Pyroglutamic acid DL-Pyroglutamic acid	C ₅ H ₈ Br Bromocyclopentane 5-Bromo-1-pentene 3,3-Dimethylallyl bromide
C ₅ H ₈ O 2-Cyclopenten-1-one 1-Methoxy-1-buten-3-yne 2-Methylfuran	C ₅ H ₇ N ₃ 2,3-Diaminopyridine 2,6-Diaminopyridine 3,4-Diaminopyridine 2,3-Dihydro-1H-imidazo(1,2-b)pyrazol	C ₅ H ₈ BrO ₂ 2-(2-Bromoethyl)-1,3-dioxolane α-Bromoisovaleric acid 5-Bromovaleric acid Ethyl 2-bromopropionate Ethyl 3-bromopropionate
C ₅ H ₈ OS Furfuryl mercaptane 2-Hydroxymethylthiophene	C ₅ H ₇ N ₃ O 5-Methylcytosine	C ₅ H ₈ Cl Chlorocyclopentane
C ₅ H ₈ O ₂ α-Angelicalactone 1,3-Butadiene-1-carboxylic acid cis-4,5-Epoxy-2-penten-1-al trans-4,5-Epoxy-2-penten-1-al Ethyl propiolate Furfuryl alcohol α-Methylene-γ-butyrolactone γ-Methylene-γ-butyrolactone 4-Pentynoic acid	C ₅ H ₈ Cyclopentene Isoprene 3-Methyl-1,2-butadiene 1,2-Pentadiene cis-1,3-Pentadiene trans-1,3-Pentadiene 1,4-Pentadiene 1-Pentyne	C ₅ H ₈ ClO 5-Chloro-2-pentanone 1-Chloro-3-pentanone Isovaleryl chloride Pivaloyl chloride Tetrahydrofurfuryl chloride n-Valeroyl chloride
C ₅ H ₈ O ₃ Glutaric anhydride	C ₅ H ₈ Br ₂ O ₂ Ethyl 2,3-dibromopropionate	
C ₅ H ₈ O ₄ Citraconic acid Cyclopropane-1,1-dicarboxylic acid Glutaconic acid Itaconic acid Mesaconic acid	C ₅ H ₈ Br ₄ Pentaerythritol tetrabromide	
C ₅ H ₈ O ₅ Acetonedicarboxylic acid 2-Oxoglutaric acid 2-Oxoglutaric acid Calcium salt 2-Oxoglutaric acid Monosodium salt	C ₅ H ₈ CIN 5-Chloro-N-valeronitrile	
C ₅ H ₈ S 2-Methylthiophene 3-Methylthiophene	C ₅ H ₈ NS ₂ Pyrrolidinecarbodithionic acid Ammonium salt	
C ₅ H ₇ BrO ₂ Methyl 2-bromocrotonate	C ₅ H ₈ N ₂ 2-Ethyl-imidazole 1,2-Dimethylimidazole 3,5-Dimethylpyrazole	
C ₅ H ₇ BrO ₃ Ethyl bromopyruvate	C ₅ H ₈ N ₂ O 5-Amino-3,5-dimethylisoxazole	
	C ₅ H ₈ N ₂ O ₂ 5,5-Dimethylhydantoin	
	C ₅ H ₈ N ₂ O ₃ Ureidosuccinic acid	

C₅H₉ClO₂

Butyl chloroformate
5-Chloro-n-valeric acid
Ethyl 2-chloropropionate
Ethyl 3-chloropropionate
Isobutyl chloroformate
Methyl 4-chlorobutyrate

C₅H₉F₃O₂Si

Trimethylsilyl trifluoroacetate

C₅H₉KO₄

D-(+)-Arabonic acid Potassium acid

C₅H₉N

tert-Butyl isocyanide
3-Dimethylamino-1-propyne
Isovaleronitrile
1,2,5,6-Tetrahydropyridine
n-Valeronitrile

C₅H₉NO

Butyl isocyanate
tert-Butyl isocyanate
Cyclopentanone oxime
3-Dimethylaminoacroleine
3-Ethoxypropionitrile
1-Formylpyrrolidine
1-Methyl-2-pyrrolidone

C₅H₉NOS

4,4-Dimethyloxazolidine-2-thione

C₅H₉NO₂

DL-C-Allyl-glycine
1-Aza-4,6-dioxabicyclo [3.3.0]
octane
1-Formylmorpholine
Methyl 3-aminocrotonate
Nitrocyclopentane
D-Proline
L-Proline
DL-Proline

C₅H₉NO₃

5-Aminolevulinic acid hydrochloride
N-Formylglycine ethyl ester
L-4-Hydroxyproline

C₅H₉NO₃S

N-Acetyl-L-cysteine
(2-Mercaptopropionyl)glycine

C₅H₉NO₄

Dimethyl aminomalonate hydrochloride
L-Glutamic acid
D-Glutamic acid
DL-Glutamic acid
L-Glutamic acid hydrochloride
DL-Glutamic acid hydrochloride
L-Glutamic acid Monopotassium salt
L-Glutamic acid Monosodium salt

C₅H₉NO₄S

S-Carboxymethyl-L-cysteine

C₅H₉NS

Butyl isothiocyanate
tert-Butyl isothiocyanate

C₅H₉N₃

Histamine Base
Histamine dihydrochloride
Histamine diphosphate

C₅H₁₀

Cyclopentane
2-Methyl-1-butene
2-Methyl-2-butene
3-Methyl-1-butene
1-Pentene
cis-2-Pentene
trans-2-Pentene
2-Pentene (cis + trans)
1-Penten-3-ol
4-Penten-1-ol
3-Penten-2-ol (cis + trans)
4-Penten-2-ol

C₅H₁₀AgNS₂

Silver diethyldithiocarbamate

C₅H₁₀Br₂

1,4-Dibromopentane
1,5-Dibromopentane

C₅H₁₀ClNO

Diethylcarbamoyle chloride

C₅H₁₀Cl₂

1,5-Dichloropentane

C₅H₁₀Cl₂O₂

2,2-Bis(chloromethyl)1,3-propanediol

C₅H₁₀N₂

3-Dimethylaminopropionitrile

C₅H₁₀N₂O₃

L-Alanyl-glycine
L(+)-Glutamine
D(-)-Glutamine
Glycyl-L-alanine
Glycyl-DL-alanine
Glycyl-sarcosine

C₅H₁₀N₂O₄

Glycyl-L-serine

C₅H₁₀O

Cyclopentanol
1-Cyclopropylethanol
Ethyl allyl ether
Ethyl propenyl ether (cis + trans)
Isovaleraldehyde
3-Methyl-2-butanone
2-Methyl-3-buten-2-ol
2-Methyltetrahydrofuran
3-Methyltetrahydrofuran
2-Pentanone
3-Pentanone
Pivalaldehyde
Tetrahydropyran
n-Valeraldehyde

C₅H₁₀O₂

Butyl formate
tert-Butyl formate
Ethyl propionate
5-Hydroxy-2-pentanone
Isopropyl acetate
Isovaleric acid
Methyl butyrate
2-Methylbutyric acid
Methyl isobutyrate
Pivalic acid
Propyl acetate
Tetrahydrofurfuryl alcohol
Tetrahydro-2H-pyran-4-ol
n-Valeric acid

C₅H₁₀O₂S

Methyl 3-methylmercapto-propionate
3-Methylsulfolane

C₅H₁₀O₃

1-Acetoxy-2-methoxyethane
Diethyl carbonate
(-)-Ethyl L(+)-lactate
Ethyl methoxyacetate
α-Hydroxyisovaleric acid
2-Hydroxy-n-valeric acid
Methylglyoxal dimethyl acetal
Methyl α-hydroxyisobutyrate

C₅H₁₀O₄

2-Deoxy-D-ribose
Methyl dimethoxyacetate
DL-α-Monoacetin

C₅H₁₀O₅

L(+)-Arabinose
D(-)-Arabinose
DL-Arabinose
L(+)-Lyxose
D(-)-Lyxose
D(-)-Ribose
L(+)-Ribose
D-Ribulose
L(-)-Xylose
D(+)-Xylose
DL-Xylose

C₅H₁₀S₂

2-Methyl-1,3-dithiane

C₅H₁₀Si

Ethynyltrimethylsilane

C₅H₁₁Br

1-Bromo-2,2-dimethylpropane
1-Bromo-3-methyl butane
1-Bromopentane
2-Bromopentane
3-Bromopentane

C₅H₁₁BrO₂Si

Trimethylsilyl bromoacetate

C₅H₁₁Cl

1-Chloropentane

C₅H₁₁ClSi

Allyldimethylchlorosilane

C₅H₁₁I

2,2-Dimethyl-1-iodopropane
1-Iodo-3-methylbutane
1-Iodopentane
2-Iodopentane

C₅H₁₁N

Allyl-dimethylamin
Cyclopentylamine
1-Methylpyrrolidine
Piperidine
Piperidine hydrochloride

C₅H₁₁NO

N,N-Diethylformamide
(Dimethylamino)-acetone
1-Hydroxypiperidine
3-Hydroxypiperidine
4-Hydroxypiperidine
1-Methylmorpholine
Pivalamide
Tetrahydrofurfurylamine

C₅H₁₁NO₂

L-Alanine ethyl ester hydrochloride
DL-Alanine ethyl ester hydrochloride
β-Alanine ethyl ester hydrochloride
5-Amino-n-valeric acid
5-Amino-n-valeric acid hydrochloride
Betaine
Butyl carbamate
tert-Butyl carbamate
N,N-Dimethylformamide ethylene acetale
Ethyl N-ethylcarbamate
Isopentyl nitrite
4-Methylmorpholine-4-oxide
1-Nitropentane
L-Norvaline
D-Norvaline
DL-Norvaline
Sarcosine ethyl ester hydrochloride
L-Valine
D-Valine
DL-Valine

C₅H₁₁NO₂S

L-Cysteine ethyl ester hydrochloride
S-Ethyl-L-cysteine
L-Methionine
D-Methionine
DL-Methionine
L-Penicillamine
D-Penicillamine
DL-Penicillamine

C₅H₁₁NO₃

tert-Butyl N-hydroxycarbamate
L-Threonine methyl ester

C₅H₁₁NO₃S

L-Methionine sulfoxide
DL-Methionine sulfoxide

C₅H₁₁NO₄S

L-Methionine sulfone
DL-Methionine sulfone

C₅H₁₁NS₂

Sodium diethyldithiocarbamate

C₅H₁₁O₅P

Trimethyl phosphonoacetate

C₅H₁₁O₆P

D-Ribose-5-phosphate Barium salt

C₅H₁₂

2,2-Dimethylpropane
Isopentane
Pentane

C₅H₁₂ClN

2-Chloro-1-dimethylaminopropane hydrochloride
3-Dimethylamino-1-propyl chloride hydrochloride

C₅H₁₂ClNO₂

Betaine hydrochloride

C₅H₁₂N₂

Homopiperazine
1-Methylpiperazine
Tetramethylthiourea

C₅H₁₂N₂O

Butylurea
N-tert-Butylurea
N,N-Diethylurea (sym.)
Tetramethylurea

C₅H₁₂N₂O₂

tert-Butyl carbazate
L-Ornithine dihydrochloride
L-Ornithine monohydrochloride
D-Ornithine monohydrochloride
DL-Ornithine monohydrochloride

C₅H₁₂N₂S

N,N'-Diethylthiourea (sym.)

C₅H₁₂O

Butyl methyl ether
tert-Butyl methyl ether
2,2-Dimethyl-1-propanol
3-Methyl-1-butanol
(-)-2-Methyl-1-butanol
(±)-2-Methyl-1-butanol
2-Methyl-2-butanol
3-Methyl-2-butanol
1-Pentanol
2-Pentanol
3-Pentanol
Potassium tert-pentylate
Sodium-tert-pentylate

C₅H₁₂OS₂

Ethyl ethylthiomethyl sulfoxide

C₅H₁₂O₂

Acetone dimethyl acetal
2,2-Dimethyl-1,3-propanediol
Formaldehyde diethyl acetal
2-Isopropoxyethanol
2-Methyl-1,4-butanediol
1,5-Pentanediol
2,4-Pentanediol

C₅H₁₂O₃

Diethylene glycol monomethyl ether
Methoxyacetaldehyde dimethyl acetal
Trimethyl orthoacetate
1,1,1-Tris-(hydroxymethyl)-ethane

C₅H₁₂O₃S

1-Pentanesulfonic acid Sodium salt

C₅H₁₂O₄

Tetramethyl orthocarbonate
Pentaerythriol

C₅H₁₂O₆

Adonitol
L(-)-Arabitol
D(+)-Arabitol
Xylitol

C₅H₁₂S

1-Pentanethiol

C₅H₁₂S₂

Formaldehyde diethyl mercaptal
1,5-Pentanedithiol

C₅H₁₂Si

Vinyltrimethylsilane

C₅H₁₃CaClNO₄P

Calcium phosphorylcholine chloride

C₅H₁₃Cl₂N

2-Chloroethyltrimethylammonium chloride

C₅H₁₃N

(±)-2-Aminopentane
1-Amino-3-methylbutane
N-Butylmethylaniline
N-tert-Butylmethylaniline
N,N-Diethylmethylaniline
2,2-Dimethylpropylamine
1,1-Dimethylpropylamine
N-Ethylisopropylamine
Pentylamine

C₅H₁₃NO

5-Amino-1-pentanol
1-Dimethylamino-2-propanol
2-Dimethylamino-1-propanol
3-Dimethylamino-1-propanol
3-Ethoxypropylamine
2-Isopropylaminoethanol
L-Methioninol

C₅H₁₃NOSi

N-Trimethylsilyl acetamide

C₅H₁₃NO₂

N,N-Dimethylformamide dimethyl acetal
N-Methyldiethanolamine

C₅H₁₃NO₃

Betaine Monohydrate

C₅H₁₃N₂

Tetramethylformamidine
methylsulfate

C₅H₁₄ClNO

Choline chloride

C₅H₁₄ClN₃O

Girard Reagent T

C₅H₁₄INO

Choline iodide

C₅H₁₄N₂

1,5-Diaminopentane
1,5-Diaminopentane dihydrochloride
1-Dimethylamino-2-propylamine
3-Dimethylamino-1-propylamine
3-Ethylamino-1-propylamine
N-Isopropylethylenediamine
N-Propyl ethylenediamine
N,N,N',N'-Tetramethylaminomethane
N,N,N'-Trimethylethylenediamine

C₅H₁₄N₂S₂

Ammonium diethyldithiocarbonate

C₅H₁₄OSi

Trimethylethoxysilane
2-(Trimethylsilyl)ethanol

C₅H₁₆ClN₂

2-Aminoethyltrimethylammonium chloride hydrochloride

C₅H₁₆NO₂

Choline

C₅H₁₆NSi

N,N-Dimethyltrimethylsilylamine

C₆BaO₆

Barium rhodizionate

C₆BrD₆

Bromobenzene-d₆

C₆BrF₅

Bromopentafluorobenzene

C ₆ Br ₆ Hexabromobenzene	C ₆ H ₂ Br ₂ CINO 2,6-Dibromoquinone-4-chloroimide	C ₆ H ₃ Cl ₃ O 2,3,4-Trichlorophenol 2,3,5-Trichlorophenol 2,3,6-Trichlorophenol 2,4,5-Trichlorophenol 2,4,6-Trichlorophenol 2,4,5-Trichlorophenoxyacetic acid
C ₆ Ca ₂ FeN ₆ Calcium hexacyanoferrate(II)	C ₆ H ₂ CIN ₃ O ₃ 4-Chloro-7-nitrobenzofurazane	C ₆ H ₃ Cl ₃ O ₃ S 2,4,5-Trichlorobenzenesulfonic acid Potassium salt 2,4,5-Trichlorobenzenesulfonic acid Sodium salt
C ₆ Cl ₂ O ₁₂ Cerium(III) oxalate	C ₆ H ₂ Cl ₂ O ₄ Chloranilic acid Chloranilic acid disodium salt Chloranilic acid Barium salt Chloranilic acid Lanthan salt Chloranilic acid Mercury salt Thorium chloroanilate	
C ₆ ClF ₆ Chloropentafluorobenzene		
C ₆ Cl ₄ O ₂ Chloranil 3,4,5,6-Tetrachloro-1,2-benzoquinone	C ₆ H ₂ Cl ₃ NO 2,6-Dichloroquinone-4-chloroimide	C ₆ H ₃ Cl ₄ N 2,3,4,5-Tetrachloroaniline 2,3,5,6-Tetrachloroaniline
C ₆ Cl ₆ Hexachlorobenzene	C ₆ H ₂ Cl ₃ NO ₂ 2,3,4-Trichloronitrobenzene 2,4,5-Trichloronitrobenzene 2,4,6-Trichloronitrobenzene	C ₆ H ₃ FN ₂ O ₄ 2,4-Dinitrofluorobenzene
C ₆ CrK ₃ N ₆ S ₆ Potassium chromiumthiocyanate		C ₆ H ₃ F ₄ N 2,3,5,6-Tetrafluoroaniline
C ₆ CrO ₆ Chromium carbonyl	C ₆ H ₂ Cl ₄ 1,2,3,4-Tetrachlorobenzene 1,2,3,5-Tetrachlorobenzene 1,2,4,5-Tetrachlorobenzene	C ₆ H ₃ IN ₂ O ₄ 2,4-Dinitroiodobenzene
C ₆ D ₄ H ₁₀ O ₂ Si 3-(Trimethylsilyl)propionic acid-d ₄ Sodium salt	C ₆ H ₂ Cl ₄ O 2,3,4,5-Tetrachlorophenol 2,3,4,6-Tetrachlorophenol 2,3,5,6-Tetrachlorophenol	C ₆ H ₃ N ₃ O ₇ Picric acid
C ₆ D ₅ NO ₂ Nitrobenzene-d ₅	C ₆ H ₂ Cl ₄ O ₂ S 2,4,5-Trichlorobenzenesulfonyl chloride	C ₆ H ₄ BF ₄ N ₃ O ₂ 4-Nitrobenzenediazonium fluoroborate
C ₆ D ₆ Benzene-d ₆	C ₆ H ₂ F ₂ N ₂ O ₄ 1,5-Difluoro-2,4-dinitrobenzene	C ₆ H ₄ BrCl 2-Bromochlorobenzene 3-Bromochlorobenzene 4-Bromochlorobenzene
C ₆ D ₁₈ N ₃ OP Hexamethylphosphoramide-d ₁₈	C ₆ H ₂ F ₅ N 2,3,4,5,6-Pentafluoroaniline	C ₆ H ₄ BrClO 2-Bromo-4-chlorophenol
C ₆ F ₆ Hexafluorobenzene	C ₆ H ₂ O ₆ Potassium rhodizonate Rhodizonic acid Sodium salt Rhodizonic acid Dihydrate	C ₆ H ₄ BrClO ₂ S 4-Bromobenzenesulfonyl chloride
C ₆ F ₁₀ O ₃ Pentafluoropropionic anhydride	C ₆ H ₃ Br ₂ NO ₂ 2,5-Dibromonitrobenzene	C ₆ H ₄ BrF 2-Bromofluorobenzene 3-Bromofluorobenzene 4-Bromofluorobenzene
C ₆ F ₁₂ Dodecafluorocyclohexane	C ₆ H ₃ Br ₃ 1,3,5-Tribromobenzene	C ₆ H ₄ BrI 4-Bromoiodobenzene
C ₆ F ₁₄ Tetradecafluorohexane Trifluoromethylundecafluorocyclohexane	C ₆ H ₃ Br ₃ O 2,4,6-Tribromophenol	C ₆ H ₄ BrNO ₂ 1-Bromo-2-nitrobenzene 1-Bromo-3-nitrobenzene 1-Bromo-4-nitrobenzene
C ₆ FeK ₃ N ₆ Potassium hexacyanoferrate(III)	C ₆ H ₃ CIN ₂ O ₄ 1-Chloro-2,4-dinitrobenzene	C ₆ H ₄ Br ₂ 1,2-Dibromobenzene 1,3-Dibromobenzene 1,4-Dibromobenzene
C ₆ FeK ₄ N ₆ Potassium hexacyanoferrate(II)	C ₆ H ₃ CIN ₂ O ₄ S 2,4-Dinitrobenzenesulfonyl chloride	C ₆ H ₄ Br ₂ O 2,4-Dibromophenol 2,6-Dibromophenol
C ₆ FeN ₆ Na ₄ Sodium ferrocyanide	C ₆ H ₃ CIN ₂ O ₆ S 2,4-Dinitrobenzenesulfo chloride	C ₆ H ₄ Br ₃ N 2,4,6-Tribromoaniline
C ₆ HCl ₃ N ₂ O ₄ 1,2,4-Trichloro-3,5-dinitrobenzene	C ₆ H ₃ Cl ₂ NO ₂ 2,3-Dichloronitrobenzene 2,4-Dichloronitrobenzene 2,5-Dichloronitrobenzene 3,4-Dichloronitrobenzene 3,5-Dichloronitrobenzene	C ₆ H ₄ CIFO ₂ S 4-Fluorobenzenesulfonyl chloride
C ₆ HCl ₄ NO ₄ 2,3,4,5-Tetrachloronitrobenzene 2,3,5,6-Tetrachloronitrobenzene	C ₆ H ₃ Cl ₂ NO ₃ 2,4-Dichloro-6-nitrophenol 2,6-Dichloro-4-nitrophenol	C ₆ H ₄ ClI 2-Chloroiodobenzene 4-Chloroiodobenzene
C ₆ HCl ₅ Pentachlorobenzene	(C ₆ H ₃ Cl ₂ N ₃ O ₂) ₂ Fast Red 3 GL salt	C ₆ H ₄ ClIO ₂ S 4-Iodobenzenesulfonyl chloride
C ₆ HCl ₅ O Pentachlorophenol Pentachlorophenol Sodium salt	C ₆ H ₃ Cl ₃ 1,2,3-Trichlorobenzene 1,2,4-Trichlorobenzene 1,3,5-Trichlorobenzene	C ₆ H ₄ CINO 4-Chloronitrosobenzene
C ₆ HF ₆ Pentafluorobenzene		
C ₆ HF ₅ O 2,3,4,5,6-Pentafluorophenol		
C ₆ HF ₆ S 2,3,4,5,6-Pentafluorobenzenethiol		

C ₆ H ₄ CINO ₂ 2-Chloronicotinic acid 1-Chloro-2-nitrobenzene 1-Chloro-3-nitrobenzene 1-Chloro-4-nitrobenzene	C ₆ H ₄ N ₂ O ₄ 1,2-Dinitrobenzene 1,3-Dinitrobenzene 1,4-Dinitrobenzene Pyrazine-2,3-dicarboxylic acid	C ₆ H ₆ ClS 4-Chlorothiophenol
C ₆ H ₄ CINO ₂ S 2-Nitrobenzenesulfonyl chloride	C ₆ H ₄ N ₂ O ₅ 2,3-Dinitrophenol 2,4-Dinitrophenol 2,5-Dinitrophenol 2,6-Dinitrophenol 3,4-Dinitrophenol	C ₆ H ₆ ClSe Phenylselenyl chloride
C ₆ H ₄ CINO ₃ 4-Chloro-2-nitrophenol	C ₆ H ₄ N ₂ S 1,2,3-Benzothiadiazole 2,1,3-Benzothiadiazole	C ₆ H ₅ Cl ₂ OP P,P-Dichlorophenylphosphine oxide
C ₆ H ₄ CINO ₄ S 2-Nitrobenzenesulfonyl chloride 3-Nitrobenzenesulfonyl chloride 4-Nitrobenzenesulfonyl chloride	C ₆ H ₄ N ₄ O ₂ Lumazine	C ₆ H ₅ Cl ₂ P P,P-Dichlorophenylphosphine
C ₆ H ₄ ClO ₃ P Pyrocatechyl phosphorousoxychloride	C ₆ H ₄ O ₂ 1,4-Benzoquinone	C ₆ H ₅ Cl ₃ N ₂ 2,4,6-Trichlorophenylhydrazine
C ₆ H ₄ Cl ₂ 1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,4-Dichlorobenzene	C ₆ H ₄ O ₄ Coumalic acid	C ₆ H ₅ Cl ₃ Si Phenyltrichlorosilane
C ₆ H ₄ Cl ₂ N ₂ O ₂ 2,6-Dichloro-4-nitroaniline	C ₆ H ₄ O ₅ cis-Aconitic anhydride Furan-3,4-dicarboxylic acid	C ₆ H ₅ F Fluorobenzene
C ₆ H ₄ Cl ₂ O 2,3-Dichlorophenol 2,4-Dichlorophenol 2,5-Dichlorophenol 2,6-Dichlorophenol 3,4-Dichlorophenol 3,5-Dichlorophenol	C ₆ H ₄ O ₆ Tetrahydroxyquinone	C ₆ H ₅ FO 2-Fluorophenol 3-Fluorophenol 4-Fluorophenol
C ₆ H ₄ Cl ₂ O ₂ S 4-Chlorobenzenesulfonyl chloride	C ₆ H ₄ S ₄ Tetrathiafulvalene	C ₆ H ₅ FS 4-Fluorothiophenol
C ₆ H ₄ Cl ₂ O ₄ S ₂ Benzene-1,3-disulfonyl chloride	C ₆ H ₅ BHgO ₂ Phenylmercury borate	C ₆ H ₅ F ₂ N 2,4-Difluoroaniline 2,5-Difluoroaniline
C ₆ H ₄ Cl ₃ N 2,3,4-Trichloroaniline 2,4,5-Trichloroaniline 2,4,6-Trichloroaniline	C ₆ H ₅ BO ₂ Benzodioxaborol	C ₆ H ₅ F ₆ N ₂ P Benzenediazonium hexafluorophosphate
C ₆ H ₄ Cl ₃ O ₂ P Pyrocatechyl phosphorous trichloride	C ₆ H ₅ Br Bromobenzene	C ₆ H ₅ F ₇ O ₂ Ethyl heptafluorobutyrate
C ₆ H ₄ FNO ₂ 2-Fluoronitrobenzene 3-Fluoronitrobenzene 4-Fluoronitrobenzene	C ₆ H ₅ BrN ₂ O ₂ 2-Bromo-4-nitroaniline	C ₆ H ₅ FeO ₇ Ferric citrate
C ₆ H ₄ FN ₃ O ₄ 2,4-Dinitro-5-fluoroaniline	C ₆ H ₅ BrO 2-Bromophenol 3-Bromophenol 4-Bromophenol	C ₆ H ₅ HgNO ₃ Phenylmercury nitrate
C ₆ H ₄ F ₂ 1,2-Difluorobenzene 1,3-Difluorobenzene 1,4-Difluorobenzene	C ₆ H ₅ Br ₂ N 2,4-Dibromoaniline	C ₆ H ₅ I Iodobenzene
C ₆ H ₄ INO ₂ 3-Iodonitrobenzene 4-Iodonitrobenzene	C ₆ H ₅ Cl Chlorobenzene	C ₆ H ₅ IO 4-Iodophenol
C ₆ H ₄ N ₂ 2-Cyanopyridine 3-Cyanopyridine 4-Cyanopyridine	C ₆ H ₅ ClHg Phenylmercury chloride	C ₆ H ₅ Li Phenyllithium
C ₆ H ₄ N ₂ O ₂ Benzofuroxan	C ₆ H ₅ CIN ₂ O ₂ 2-Chloro-4-nitroaniline 2-Chloro-5-nitroaniline 4-Chloro-2-nitroaniline 4-Chloro-3-nitroaniline	C ₆ H ₅ NO Nitrosobenzene Pyridine-2-carboxaldehyde Pyridine-3-carboxaldehyde Pyridine-4-carboxaldehyde
C ₆ H ₄ N ₂ O ₃ S 4-Diazobenzenesulfonic acid	C ₆ H ₅ ClO 2-Chlorophenol 3-Chlorophenol 4-Chlorophenol	C ₆ H ₅ NOS N-Thionylaniline
	C ₆ H ₅ ClOS Thiophene-2-acetyl chloride	C ₆ H ₅ NO ₂ Isonicotinic acid Nicotinic acid Nitrobenzene 4-Nitrosophenol 2-Picolinic acid Potassium nicotinate Sodium nicotinate
	C ₆ H ₅ ClO ₂ Chlorohydroquinone	
	C ₆ H ₅ ClO ₂ S Benzenesulfonyl chloride	

C ₆ H ₅ NO ₃ 6-Hydroxypyridine-3-carboxylic acid Nicotinic acid N-oxide 2-Nitrophenol 3-Nitrophenol 4-Nitrophenol	C ₆ H ₅ N ₂ O ₂ α,α-Dicyanoethyl acetate 2-Nitroaniline 3-Nitroaniline 4-Nitroaniline	C ₆ H ₅ O ₆ cis-Aconitic acid trans-Aconitic acid Dehydro-L-ascorbic acid DL-Isocitric acid lactone
C ₆ H ₅ NO ₄ Citrazinic acid N-Methoxycarbonylmaleimide 4-Nitrocatechol	C ₆ H ₅ N ₂ O ₃ 2-Amino-4-nitro-phenol 2-Amino-5-nitro-phenol 3-Methyl-4-nitropyridine-1-oxide	C ₆ H ₅ O ₆ S ₂ Benzene-1,3-disulfonic acid Disodium salt
C ₆ H ₅ NO ₅ S 2-Nitrobenzenesulfonyl chloride	C ₆ H ₅ N ₂ S Thionicotinamide	C ₆ H ₅ O ₆ S ₂ Tiron
C ₆ H ₅ N ₃ 1H-Benzotriazole	C ₆ H ₅ N ₄ 6-Methylpurine	C ₆ H ₅ S Thiophenol
C ₆ H ₅ N ₃ O 1-Hydroxybenzotriazole	C ₆ H ₅ N ₄ O ₂ 1-Methylxanthine 3-Methylxanthine 7-Methylxanthine 8-Methylxanthine 9-Methylxanthine	C ₆ H ₅ S ₂ 1,3-Dimercaptobenzene
C ₆ H ₅ N ₃ O ₄ 2,4-Dinitroaniline 2,6-Dinitroaniline 3,5-Dinitroaniline	C ₆ H ₅ N ₄ O ₃ 3-Methyluric acid 7-Methyluric acid 9-Methyluric acid	C ₆ H ₇ AsO ₃ Phenylarsonic acid
C ₆ H ₅ N ₅ O Pterine	C ₆ H ₅ N ₄ O ₄ 2,4-Dinitrophenylhydrazine 5-Nitro-2-furfuralsemicarbazone	C ₆ H ₇ BO ₂ Phenylboric acid
C ₆ H ₅ N ₅ O ₂ Xanthopterin	C ₆ H ₆ O Phenol	C ₆ H ₇ BrN ₂ 4-Bromophenyl hydrazine hydrochloride
C ₆ H ₆ Benzene	C ₆ H ₆ OS 2-Acetylthiophene 3-Acetylthiophene 5-Methylthiophene-2-carboxaldehyde	C ₆ H ₇ ClIN 2-Chloro-N-methylpyridinium iodide
C ₆ H ₆ AsNO ₆ 2-Nitrophenol-4-arsonic acid	C ₆ H ₆ O ₂ 2-Furyl methyl ketone 2,4-Hexadiyne-1,6-diol Hydroquinone 5-Methyl-2-furaldehyde Pyrocatechol Quinhydrone Resorcinol	C ₆ H ₇ ClN ₂ 4-Chloro-1,2-phenylenediamine 2-Chloro-1,4-phenylenediamine sulfate 2-Chlorophenylhydrazine hydrochloride 3-Chlorophenylhydrazine hydrochloride 4-Chlorophenylhydrazine hydrochloride
C ₆ H ₆ BrN 2-Bromoaniline 3-Bromoaniline 4-Bromoaniline	C ₆ H ₆ O ₂ S Benzenesulfinic acid Sodium salt Thiophene-2-acetic acid Thiophene-3-acetic acid	C ₆ H ₇ FN ₂ 4-Fluorophenylhydrazine hydrochloride
C ₆ H ₆ ClF ₃ N ₂ O ₃ S 2-Chloro-N-methylpyridinium trifluoroethanesulfonate	C ₆ H ₆ O ₃ Dimethylmaleic anhydride 5-Hydroxymethyl-2-furaldehyde 3-Hydroxy-2-methyl-4-pyrone Methyl 2-furoate Phloroglucinol Pyrogallol	C ₆ H ₇ N Aniline Aniline hydrochloride Aniline sulfate 2-Picoline (α) 3-Picoline (β) 4-Picoline (γ)
C ₆ H ₆ ClN 2-Chloroaniline 3-Chloroaniline 4-Chloroaniline	C ₆ H ₆ O ₃ S Benzenesulfonic acid Benzenesulfonic acid Sodium salt	C ₆ H ₇ NO 2-Acetylpyrrole 2-Aminophenol 3-Aminophenol 4-Aminophenol 4-Aminophenol hydrochloride 2-Hydroxymethylpyridine 3-Hydroxymethylpyridine 4-Hydroxymethylpyridine 2-Methoxypyridine 1-Methylpyrrole-2-carboxaldehyde O-Phenylhydroxylamine hydrochloride 2-Picoline-N-oxide 3-Picoline-N-oxide 4-Picoline-N-oxide
C ₆ H ₆ ClNO 2-Amino-4-chlorophenol	C ₆ H ₆ O ₄ Dimethyl acetylenedicarboxylate Kojic acid trans,trans-Muconic acid	C ₆ H ₇ NO ₂ N-Ethylmaleimide 1-Methylpyrrole-2-carboxylic acid
C ₆ H ₆ FN 2-Fluoroaniline 3-Fluoroaniline 4-Fluoroaniline	C ₆ H ₆ O ₄ S S-Acetylmercaptosuccinic anhydride Phenol-4-sulfonic acid	C ₆ H ₇ NO ₂ S Benzenesulfonamide
C ₆ H ₆ IN 2-Iodoaniline 3-Iodoaniline 4-Iodoaniline	C ₆ H ₆ O ₅ S Hydroquinonesulfonic acid Potassium salt	C ₆ H ₇ NO ₃ S N-Hydroxybenzenesulfonamide Orthanilic acid Sulfanilic acid
C ₆ H ₆ NO ₆ P di-Sodium-4-nitrophenylphosphate Hexahydrate		C ₆ H ₇ NO ₄ Acetic acid succinimide ester
C ₆ H ₆ N ₂ trans-1,4-Dicyano-2-butene 1,4-Dicyano-1-butene (cis + trans)		
C ₆ H ₆ N ₂ O Ethoxymethylenemalononitrile Isonicotinamide Nicotinamide 2-Picolinamide Pyridine-2-carboxaldoxime Pyridine-3-carboxaldoxime Pyridine-4-carboxaldoxime		

C₆H₇NO₄S
2-Aminophenol-4-sulfonic acid
2-Pyridylhydroxymethanesulfonic acid

C₆H₇NS
2-Aminothiophenol

C₆H₇N₃O
6-Aminonicotinamide
Isonicotinic hydrazide
Nicotinic acid hydrazide

C₆H₇N₃O₂
2-Nitro-1,4-phenylenediamine
4-Nitro-1,2-phenylenediamine
2-Nitrophenylhydrazine
4-Nitrophenylhydrazine
3-Nitrophenylhydrazine hydrochloride
4-Nitrophenylhydrazine hydrochloride

C₆H₇N₅
6-Amino-1-methylpurine
6-Amino-3-methylpurine
6-Methylaminopurine

C₆H₇N₅O
1-Methylguanine
3-Methylguanine
7-Methylguanine
9-Methylguanine

C₆H₇O₂P
Phenylphosphinic acid

C₆H₇O₃P
Phenylphosphonic acid

C₆H₇O₄P
di-Sodium phenylphosphate

C₆H₈
1,3-Cyclohexadiene
1,4-Cyclohexadiene

C₆H₈AsNO₃
o-Arsanilic acid
p-Arsanilic acid

C₆H₈ClNO
4-Chloromethyl-3,5-dimethylisoxazole

C₆H₈ClN₃O₄S₂
3-Chloroaniline-4,6-disulfonamide

C₆H₈Cl₂O₂
Adipoyl chloride

C₆H₈N₂
Adiponitrile
1-Allyl-imidazole
2-Amino-3-methylpyridine
2-Amino-4-methylpyridine
2-Amino-5-methylpyridine
2-Amino-6-methylpyridine
2,5-Dimethylpyrazine
2-Ethyl pyrazine
2-Methyl glutarodinitrile
1,2-Phenylenediamine
1,3-Phenylenediamine
1,4-Phenylenediamine
1,2-Phenylenediamine dihydrochloride
1,3-Phenylenediamine dihydrochloride
1,4-Phenylenediamine dihydrochloride
Phenylhydrazine
Phenylhydrazine-hydrochloride
3-Picolylamine

C₆H₈N₂O
2,4-Diaminophenol dihydrochloride
2-Methoxy-3-methyl pyrazine
3,3'-Oxydipropionitrile

C₆H₈N₂O₂
1,3-Dimethyluracil

C₆H₈N₂O₂S
3-Aminobenzenesulfonamide
Sulfanilamide

C₆H₈N₂O₃
1,3-Dimethylbarbituric acid

C₆H₈N₂O₃S
Phenylhydrazine-4-sulfonic acid
Hemihydrate

C₆H₈N₂S
4,6-Dimethyl-2-mercaptopyrimidine
3,3'-Thiodipropionitrile

C₆H₈O
2-Cyclohexen-1-one
2,5-Dimethylfuran
2,4-Hexadienal
3-Methyl-1-penten-4-yne-3-ol
cis-3-Methyl-2-penten-4-yne-1-ol
trans-3-Methyl-2-penten-yne-1-ol

C₆H₈O₂
1,2-Cyclohexanedione
1,3-Cyclohexanedione
1,4-Cyclohexanedione
Methyl 1,3-butadiene-1-carboxylate
2-Methyl-1,3-cyclopentanedione
3-Methyl-1,2-cyclopentanedione
Phenylacetic acid
Sorbic acid
Sorbic acid Potassium salt

C₆H₈O₃
2-Acetylbutyrolactone
Glycidyl acrylate

C₆H₈O₄
Cyclobutane-1,1-dicarboxylic acid
trans-Cyclobutane-1,2-dicarboxylic acid
Dimethyl maleate
trans-3-Hexenedioic acid
cycl-Isopropylidene malonate
Monoethyl malonate Potassium salt

C₆H₈O₆
L(+)-Ascorbic acid Calcium salt
L(+)-Ascorbic acid Sodium salt
D(+)-Glucuronic acid-lactone
D(-)-Isoascorbic acid
Tricarballic acid
Vitamine C

(C₆H₈O₆)_n
Pectic acid

C₆H₈O₇
Citric acid anhydrous
Citric acid Monohydrate
DL-Isocitric acid Trisodium salt
tri-Potassium citrate
Potassiumdihydrogenecitrate
tri-Sodium citrate
Sodium dihydrogenecitrate anhydrous
di-Sodium hydrogenecitrate

C₆H₈S
2,5-Dimethylthiophene
2-Ethylthiophene

C₆H₈ClO
2-Chlorocyclohexanone

C₆H₈ClO₃
Ethyl 2-chloroacetoacetate
Ethyl 4-chloroacetoacetate
Glutaric acid monomethyl ester chloride

C₆H₈N
Cyclopentanecarbonitrile
2,5-Dimethylpyrrole

C₆H₈NO
3-Amino-2-cyclohexene-1-one
N-Vinyl-2-pyrrolidone

C₆H₈NOS
5-(2-Hydroxyethyl)-4-methylthiazole

C₆H₈NO₂S
N-Acetyl-DL-homocysteinethiolactone

C₆H₈NO₆
Nitrilotriacetic acid
Nitrilotriacetic acid Trisodium salt

C₆H₈N₃
2-Amino-4,6-dimethylpyrimidine

C₆H₈N₃O₂
Cupferron
L-Histidine
D-Histidine
DL-Histidine
L-Histidine dihydrochloride
L-Histidine monohydrochloride
Monohydrate
D-Histidine monohydrochloride
Monohydrate
DL-Histidine monohydrochloride
Monohydrate

C₆H₈N₅O
Tetrahydropterine sulfate

C₆H₈O₆TI
Thallium(III) acetate Sesquihydrate

C₆H₁₀
Cyclohexene
2,3-Dimethyl-1,3-butadiene
monomer
3,3-Dimethyl-1-butyne
1,5-Hexadiene
2,3-Hexadiene
cis, trans-2,4-Hexadiene
trans, trans-2,4-Hexadiene
1-Hexyne
1-Methyl-1-cyclopentene
Methylenecyclopentane
3-Methyl-1,2-pentadiene
trans-2-Methyl-1,3-pentadiene
4-Methyl-1,3-pentadiene
2-Methyl-1,4-pentadiene
2-Methyl-2,3-pentadiene

C₆H₁₀BrNO
N-Bromocaprolactam

C₆H₁₀Br₂
(±)-trans-1,2-Dibromocyclohexane

C₆H₁₀FeO₆
Ferrous lactate

C₆H₁₀N₂O
Morpholinoacetonitrile

C₆H₁₀N₂O₂
Nioxime

C₆H₁₀N₂O₄
Diethyl azodicarboxylate
N-Formimino-L-glutamic acid
Barium salt

C₆H₁₀N₂O₅
N-(2-Acetamido)iminodiacetic
acid
Glycyl-L-aspartic acid

C₆H₁₀N₄
3,5-Dimethyl-1-pyrazolylformamidinium
nitrate

C₆H₁₀O
Allyl ether
Cyclohexanone
Cyclohexene oxide
trans-2-Hexen-1-ol
trans-2-Hexen-1-ol
5-Hexen-2-one
1-Hexyn-3-ol
Mesityl oxide
3-Methylcyclopentanone

C₆H₁₀O₂
Acetonylacetone
Allyl glycidyl ether
6-Caprolactone monomer
Cyclopentanecarboxylic acid
3-Ethoxy-2-methylacroleine
Ethyl crotonate
Ethyl cyclopropanecarboxylate
Ethyl methacrylate
trans-2-Hexenoic acid
3-Hexyne-2,5-diol
2-Methoxy-3,4-dihydro-2H-pyran

C₆H₁₀O₂S₂
Ethyl 1,3-dithiolane-2-carboxylate

C₆H₁₀O₃
2,5-Dimethoxy-2,5-dihydrofurane
(cis + trans)
Ethyl acetoacetate
Ethyl acetoacetate Sodium salt
D(-)-2-Hydroxy-3,3-dimethyl-γ-
butyrolactone
DL-2-Hydroxy-3,3-dimethyl-γ-
butyrolactone
2-Hydroxyethyl methacrylate
4-Methyl-2-oxo-pentanoic acid
3-Methyl-2-oxovaleric acid
DL-3-Methyl-2-oxovaleric acid Sodium
salt
4-Methyl-2-oxovaleric acid Sodium salt
DL-Mevalonic acid lactone
Propionic anhydride

C₆H₁₀O₄
Adipic acid
Diethyl oxalate
Dimethyl succinate
2,2-Dimethylsuccinic acid
(±)-2,3-Dimethylsuccinic acid
meso-2,3-Dimethylsuccinic acid
Ethylene glycol diacetate
2-Methylglutaric acid
3-Methylglutaric acid
1,2,4,5-Tetraaminobenzene
tetrahydrochloride

C₆H₁₀O₄S
3,3'-Thiodipropionic acid

C₆H₁₀O₅
Diethyl pyrocarbonate
3-Hydroxy-3-methylglutaric acid

(C₆H₁₀O₅)_n
Dextran
Dextran Blue
D(+)-Glycogen
Inulin
Starch Soluble

C₆H₁₀O₆
Dimethyl L(+)-tartrate
Dimethyl D(-)-tartrate
D(-)-Galactonic acid γ-lactone
D(+)-Gluconic acid δ-lactone
L-Gulonic acid γ-lactone
Lanthanum acetate
Manganese(III) acetate

C₆H₁₀O₇
D(+)-Galacturonic acid
D-Glucuronic acid Sodium salt

C₆H₁₀O₈
Mucic acid

C₆H₁₀S
Allyl sulfide

C₆H₁₀S₂
Allyl disulfide
3,3'-Dithiodipropionic acid

C₆H₁₁Br
Bromocyclohexane
6-Bromo-1-hexene

C₆H₁₁BrO₂
2-Bromocaproic acid
6-Bromocaproic acid
2-(2-Bromoethyl)-1,3-dioxane
tert-Butyl bromoacetate
Ethyl 2-bromobutyrate
Ethyl 4-bromobutyrate
Ethyl α-bromoisobutyrate

C₆H₁₁Cl
Chlorocyclohexane

C₆H₁₁ClO
tert-Butylacetyl chloride
Caproyl chloride

C₆H₁₁ClO₂
Ethyl 4-chlorobutyrate
tert-Butyl chloroacetate
Chloromethyl pivalate

C₆H₁₁I
Iodocyclohexane

C₆H₁₁N
Diallylamine

C₆H₁₁NO
6-Caprolactam
Cyclohexanone oxime
4,5-Dihydro-2,4,4-trimethyloxazole
1-Formylpiperidine
1-Methyl-4-piperidone

C₆H₁₁NO₂
Ethyl 3-aminocrotonate
L-Pipecolinic acid
D-Pipecolinic acid
Piperidine-4-carboxylic acid
L-Proline methyl ester
hydrochloride

C₆H₁₁NO₂S
N,S-Diacetylcysteamine

C₆H₁₁NO₄
L-Glutamic acid 5-methyl ester

C₆H₁₁NO₄S
S-Carboxyethyl-L-cysteine

C₆H₁₁NO₅
N-(2-Hydroxyethyl)-iminodiacetic
acid

C₆H₁₁N₃O
L-Histidinol dihydrochloride

C₆H₁₁N₃O₄
Glycyl-glycyl-glycine

C₆H₁₂
Cyclohexane
2,3-Dimethyl-1-butene
2,3-Dimethyl-2-butene
3,3-Dimethyl-1-butene
2-Ethyl-1-butene
1-Hexene
cis-2-Hexene
trans-2-Hexene
trans-3-Hexene
Methylcyclopentane
2-Methyl-1-pentene
2-Methyl-2-pentene
3-Methyl-1-pentene
cis-3-Methyl-2-pentene
trans-3-Methyl-2-pentene
3-Methyl-2-pentene (cis + trans)
4-Methyl-1-pentene
cis-4-Methyl-2-pentene

C₆H₁₂Br₂
1,6-Dibromohexane

C₆H₁₂CIN
1-(2-Chloroethyl)-pyrrolidine
hydrochloride
4-Chloro-1-methylpiperidine
hydrochloride

C₆H₁₂CINO
4-(2-Chloroethyl)-morpholine
hydrochloride

C₆H₁₂Cl₂
1,1-Dichloro-3,3-dimethyl-
butane
1,6-Dichlor-hexane

C₆H₁₂Cl₂O₂
1,2-Bis-(2-chloroethoxy)ethane
Dichloroacetaldehyde diethyl
acetal

C₆H₁₂F₃NOSi
N-Methyltrimethylsilyl-trifluoro-
acetamide

C₆H₁₂N₂
1,4-Diazabicyclo(2,2,2)octane
Diethylaminoacetonitrile

C₆H₁₂N₂O

1-Acetylpiiperazine

C₆H₁₂N₂OSN-Allyl-N'-(2-hydroxyethyl)-thio-
ureaC₆H₁₂N₂O₃

L-Alanyl-L-alanine

C₆H₁₂N₂O₄S

Lanthionine

C₆H₁₂N₂O₄S₂L-Cystine
D-Cystine
DL-CystineC₆H₁₂N₂S₄

Tetramethylthiuram disulfide

C₆H₁₂N₂S₄Zn

Zinc dimethyldithiocarbamate

C₆H₁₂N₂Si

1-Trimethylsilylimidazole

C₆H₁₂N₄

Hexamethylenetetramine

C₆H₁₂OButyl vinyl ether
Capronaldehyde
Cyclohexanol
3,3-Dimethyl-2-butanone
2,5-Dimethyltetrahydrofuran
(cis + trans)
2-Ethylbutyraldehyde
Hexamethylene oxide
2-Hexanone
3-Hexanone
1-Hexen-3-ol
5-Hexen-1-ol
4-Hexen-3-ol (cis + trans)
Isobutyl vinyl ether
4-Methyl-2-pentanone
2-Methyl-3-pentanone
3-Methyl-1-penten-3-olC₆H₁₂O₂Butyl acetate
tert-Butyl acetate
Capronic acid
trans-1,2-Cyclohexanediol
1,3-Cyclohexanediol (cis + trans)
1,4-Cyclohexanediol
3,3-Dimethylbutyric acid
Ethyl isobutyrate
2-Ethylbutyric acid
Ethyl isobutyrate
2-Hydroxymethyltetrahydropyran
4-Hydroxy-4-methyl-2-pentanone
Isobutyl acetate
Isopentyl formate
Methyl isovalerate
Methyl 2-methylbutyrate
Methyl pivalate
Methyl n-valerateC₆H₁₂O₂S

2,4-Dimethylsulfolane

C₆H₁₂O₃1-Acetoxy-2-ethoxyethane
3(Allyloxy)-1,2-propanediol
Butyl glycolate
2,5-Dimethoxytetrahydrofuran
(cis + trans)
2,2-Dimethyl-4-hydroxymethyl-1,3-
dioxolane
Ethyl 3-hydroxybutyrate
2-Ethyl-2-hydroxybutyric acid
Ethyl α-hydroxyisobutyrate
2-Hydroxyhexanoic acid
α-Hydroxyisocaproic acid
3-Oxobutyraldehyde dimethylacetal
ParaldehydeC₆H₁₂O₄Propionic acid Calcium salt
D(+)-DigitoxoseC₆H₁₂O₅2-Deoxy-D-galactose
2-Deoxy-D-glucose
L(-)-Fucose
D(+)-Fucose
Methyl-β-D-arabinopyranoside
L(+)-Rhamnose MonohydrateC₆H₁₂O₅S

5-Thio-D-glucose

C₆H₁₂O₆β-D-Allose
Calcium-L(+)-lactate
Dihydroxyacetone dimer
D(-)-Fructose
D(+)-Galactose
L(-)-Glucose
D(+)-Glucose anhydrous
D(+)-Glucose Monohydrate
meso Inositol
L(-)-Mannose
D(+)-Mannose
L(-)-Sorbitol
D(+)-Tagatose
D(+)-TaloseC₆H₁₂O₇D-Gluconic acid
Potassium D-gluconate
Sodium D-gluconateC₆H₁₂S

Cyclohexylmercaptan

C₆H₁₃Br1-Bromohexane
3-BromohexaneC₆H₁₃BrO₂

Bromoacetaldehyde diethylacetal

C₆H₁₃Cl

1-Chlorohexane

C₆H₁₃ClO

6-Chloro-1-hexanol

C₆H₁₃ClO₂

Chloroacetaldehyde diethyl acetal

C₆H₁₃ClO₃

Triethylene glycol monochlorohydrin

C₆H₁₃I

1-Iodoheptane

C₆H₁₃NCyclohexylamine
N-Cyclopentylmethylamine
Hexamethylenimine
1-Methylpiperidine
2-Methyl-piperidine
3-Methyl-piperidine
4-Methyl-piperidineC₆H₁₃NO4-Aminocyclohexanol
4-Amino-4-methyl-2-pentanone
hydrogenoxalate
N-Cyclohexyl hydroxylamine
N,N-Diethylacetamide
4-Ethylmorpholine
1-(2-Hydroxyethyl)pyrrolidine
3-Hydroxy-1-methylpiperidine
4-Hydroxy-1-methylpiperidineC₆H₁₃NO₂L-Alloisoleucine
6-Aminocaproic acid
N,N-Diethylglycine hydrochloride
N,N-Dimethylformamide trimethylene
acetal
N,N-Dimethylglycine ethyl ester
Glycine-tert-butyl ester Dibenzenesulfonide salt
4-(2-Hydroxyethyl)-morpholine
L-Isoleucine allo free
D-Isoleucine allo free
DL-Isoleucine
L-Leucine
D-Leucine
DL-Leucine
1-Nitrohexane
L-Norleucine
D-Norleucine
DL-Norleucine
L-Valine methyl ester hydrochlorideC₆H₁₃NO₂SL-Methionine methyl ester
hydrochloride
D-Penicillamine-methyl ester
hydrochlorideC₆H₁₃NO₃SN-Cyclohexylsulfamic acid
Sodium cyclohexanesulfamateC₆H₁₃NO₄

N,N-Bis-(2-hydroxyethyl)glycine

C₆H₁₃NO₄S

2-Morpholinoethanesulfonic acid

C₆H₁₃NO₅6-Amino-6-deoxy-D-allose hydrochloride
3-Amino-3-deoxy-D-glucose
hydrochloride
6-Amino-6-deoxy-D-glucose
hydrochloride
D-Galactosamine hydrochloride
D(+)-Glucosamine hydrochloride
D-Mannosamine hydrochloride
N-Tris(hydroxymethyl)methylglycineC₆H₁₃NO₆

D-Glucosamic acid

C₆H₁₃N₃

Tetramethylformamidine cyanide

- C₆H₁₃N₃O₃
 L-Citrulline
 DL-Citrulline
- C₆H₁₃N₆O₄
 N₆-Nitro-L-arginine
- C₆H₁₃O₆P
 Ethyl dimethylphosphonoacetate
- C₆H₁₃O₆P
 D-Fructose-1-phosphate Barium salt
 α-D-Glucose-1-phosphate
 Dipotassiumsalt
 α-D-Glucose-1-phosphate Disodiumsalt
 D-Glucose-6-phosphate Barium salt
 D-Glucose-6-phosphate Disodiumsalt
 β-D-Glucose-6-phosphate Sodium salt
- C₆H₁₄
 Hexane
 2-Methylpentane
 3-Methylpentane
- C₆H₁₄BrNO₂S
 DL-Methionine methyl sulfonium
 bromide
- C₆H₁₄CIN
 2-Diethylaminoethyl chloride
 hydrochloride
- C₆H₁₄CINO
 Glycidyltrimethylammonium
 chloride
- C₆H₁₄CINO₂S
 DL-Methioninemethylsulfonium chloride
- C₆H₁₄FO₃P
 Diisopropyl fluorophosphate
- C₆H₁₄N₂
 1-(2-Aminoethyl)-pyrrolidine
 N-Aminohexamethylenimine
 4-(Aminomethyl)-piperidine
 1,2-Diaminocyclohexane
 1,4-Dimethylpiperazine
 2,5-Dimethylpiperazine (cis + trans)
- C₆H₁₄N₂O
 4-(2-Aminoethyl)-morpholine
 1-(2-Hydroxyethyl)-piperazine
- C₆H₁₄N₂O₂
 L-Lysine
 DL-Lysine
 L-Lysine dihydrochloride
 L-Lysine monohydrochloride
 D-Lysine monohydrochloride
 DL-Lysine monohydrochloride
- C₆H₁₄N₂O₃
 DL,DL-allo-5-Hydroxylysine
 hydrochloride
- C₆H₁₄N₂O₇
 di-Ammonium hydrogencitrate
- C₆H₁₄N₄O₂
 Adipic acid dihydrazide
 L-Arginine
 D-Arginine
 DL-Arginine
 L-Arginine monohydrochloride
 D-Arginine monohydrochloride
 DL-Arginine monohydrochloride
- C₆H₁₄O
 Butyl ethyl ether
 tert-Butyl ethyl ether
 2,2-Dimethyl-3-butanol
 2,3-Dimethyl-2-butanol
 2-Ethyl-1-butanol
 3,3-Dimethyl-2-butanol
 2,3-Dimethyl-2-butanol
 1-Hexanol
 2-Hexanol
 3-Hexanol
 Isopropyl ether
 2-Methyl-1-pentanol
 2-Methyl-2-pentanol
 2-Methyl-3-pentanol
 3-Methyl-1-pentanol
 3-Methyl-2-pentanol
 3-Methyl-3-pentanol
 4-Methyl-1-pentanol
 4-Methyl-2-pentanol
 Propyl ether
- C₆H₁₄OSi
 Allyloxytrimethylsilane
- C₆H₁₄O₂
 Acetaldehyde diethyl acetal
 2-Butyloxyethanol
 1,2-Diethoxyethane
 2-Ethyl-2-methyl-1,3-propanediol
 1,6-Hexanediol
 2,5-Hexanediol
 2-Methyl-2,4-pentanediol
 3-Methyl-1,5-pentanediol
 Pinacol
- C₆H₁₄O₂S
 Propyl sulfone
- C₆H₁₄O₃
 Diethylene glycol dimethyl ether
 Diethylene glycol monoethyl ether
 Dipropylene glycol
 1,2,6-Hexanetriol
 Hydroxyacetaldehyde diethyl acetal
 1,1,1-Tris-(hydroxymethyl)-propane
- C₆H₁₄O₃S
 Hexanesulfonic acid Sodium salt
- C₆H₁₄O₄
 Triethylene glycol
- C₆H₁₄O₆
 Dulcitol
 D-Mannitol
 D-Sorbitol
- C₆H₁₄O₆S₂
 1,4-Butanediol dimethanesulfonate
- C₆H₁₄O₁₂P₂
 D-Fructose-1,6-diphosphate
 Trisodium salt
- C₆H₁₄S
 1-Hexanethiol
 3-Hexanethiol
 Propyl sulfide
- C₆H₁₄S₂
 1,6-Hexanedithiol
 Propyl sulfide
- C₆H₁₃Si
 Allyltrimethylsilane
- C₆H₁₅Al
 Triethylaluminum
- C₆H₁₅AlO₃
 Aluminum ethylate
- C₆H₁₅Al₂Cl₃
 Ethylaluminum sesquichloride
- C₆H₁₅BF₄O
 Triethyloxonium tetrafluoroborate
- C₆H₁₅BO₃
 Triethyl borate
- C₆H₁₅CIN₂O₂
 Carbamoylcholine chloride
- C₆H₁₅ClSi
 tert-Butyldimethylchlorosilane
 Triethylchlorosilane
- C₆H₁₅N
 Diisopropylamine
 Dipropylamine
 2-Ethylbutylamine
 Hexylamine
 Triethylamine
 Triethylamine hydrochloride
 Triethylamine tris-hydrofluoride
- C₆H₁₅NO
 2-Butylaminoethanol
 2-Diethylaminoethanol
 2-Dimethylamino-2-methyl-1-propanol
 3-Isopropoxypropylamine
- C₆H₁₅NOSi
 N-Methyltrimethylsilyl acetamide
- C₆H₁₅NO₂
 Bis-(2-hydroxypropyl)amine
 Bis-(2-methoxyethyl)amine
 N,N-Dimethylacetamide dimethyl acetal
- C₆H₁₅NO₃
 Triethanolamine
 Triethanolamine hydrochloride
- C₆H₁₅NO₅S
 N,N-Bis(2-hydroxyethyl)-2-amino-
 ethanesulfonic acid
- C₆H₁₅NO₆S
 N-Tris(hydroxymethyl)methyl-2-amino-
 ethane sulfonic acid
- C₆H₁₅NS
 2-Diethylaminoethanethiol hydrochloride
- C₆H₁₅N₃
 1-(2-Aminoethyl)piperazine
- C₆H₁₅O₃P
 Triethyl phosphite
- C₆H₁₅O₄P
 Triethyl phosphate
- C₆H₁₅P
 Triethylphosphine
- C₆H₁₅AlNaO₄
 Sodiumhypophosphite
- C₆H₁₅BNa
 Sodium triethyl borohydride
- C₆H₁₅BLi
 Lithium triethylborohydride

C ₆ H ₁₆ Cl ₂ OSi ₂ 1,3-Bis(chloromethyl)tetramethyldi- silazane	C ₆ N ₄ O Tetracyano ethylene oxide	C ₇ H ₄ ClF ₃ 2-Chlorobenzotrifluoride 3-Chlorobenzotrifluoride 4-Chlorobenzotrifluoride
C ₆ H ₁₆ FeN ₁₀ Ammonium hexacyanoferrate(II)	C ₆ O ₆ Triquinoyl Octahydrate	C ₇ H ₄ CIN 2-Chlorobenzonitrile 3-Chlorobenzonitrile 4-Chlorobenzonitrile
C ₆ H ₁₆ N ₂ N,N'-Diethylethylenediamine (sym) 2-Diethylaminoethylamine 1,6-Diaminohexane N,N'-Diisopropylhydrazine monohydro- chloride N,N,N',N'-Tetramethylethylenediamine 2,N,N'-Trimethyl-1,3-diaminopropane	C ₆ O ₆ W Tungsten hexacarbonyl	C ₇ H ₄ CINO 3-Chlorophenyl isocyanate 4-Chlorophenyl isocyanate
C ₆ H ₁₆ N ₂ O ₂ N,N'-Bis(2-hydroxyethyl)ethylene- diamine	C ₇ ClF ₅ O 2,3,4,5,6-Pentafluorobenzoyl chloride	C ₇ H ₄ CINO ₃ 2-Nitrobenzoyl chloride 3-Nitrobenzoyl chloride 4-Nitrobenzoyl chloride
C ₆ H ₁₆ N ₄ Trethylenetetramine dihydrochloride	C ₇ Cl ₅ N Pentachlorobenzonitrile	C ₇ H ₄ CINO ₃ S Phenyl isocyanate-4-sulfochloride
C ₆ H ₁₆ N ₈ Arcaine sulfate	C ₇ F ₅ N 2,3,4,5,6-Pentafluorobenzonitrile	C ₇ H ₄ CINO ₄ 2-Chloro-4-nitrobenzoic acid 4-Chloro-2-nitrobenzoic acid 4-Chloro-3-nitrobenzoic acid 5-Chloro-2-nitrobenzoic acid 4-Nitrophenyl chloroformate
C ₆ H ₁₆ O ₂ Si Diethoxydimethylsilane	C ₇ F ₅ NS Pentafluorophenylisothiocyanate	C ₇ H ₄ CINS 4-Chlorophenyl isothiocyanate
C ₆ H ₁₆ O ₃ SSi 3-(Trimethylsilyl)-1-propanesulfonic acid Sodium salt	C ₇ F ₁₆ Hexadecafluoroheptane	C ₇ H ₄ CIN ₃ O ₆ 4-Chloro-3,5-dinitrobenzamide
C ₆ H ₁₆ O ₃ Si Triethoxysilane	C ₇ HF ₅ O 2,3,4,5,6-Pentafluorobenzaldehyde	C ₇ H ₄ Cl ₂ O 2-Chlorobenzoyl chloride 3-Chlorobenzoyl chloride 4-Chlorobenzoyl chloride 2,4-Dichlorobenzaldehyde 2,6-Dichlorobenzaldehyde 3,4-Dichlorobenzaldehyde
C ₆ H ₁₆ Si Triethyl silane	C ₇ HF ₅ O ₂ 2,3,4,5,6-Pentafluorobenzoic acid	C ₇ H ₄ Cl ₂ O ₂ 2,4-Dichlorobenzoic acid 2,5-Dichlorobenzoic acid 2,6-Dichlorobenzoic acid 3,5-Dichlorobenzoic acid
C ₆ H ₁₇ N ₃ Bis(3-aminopropyl)amine	C ₇ H ₂ ClF ₃ N ₂ O ₄ 4-Chloro-3,5-dinitrobenzotrifluoride	C ₇ H ₄ Cl ₄ 2,6,α,α-Tetrachlorotoluene
C ₆ H ₁₈ BN Borane Triethylamine Complex	C ₇ H ₃ ClF ₃ NO ₂ 4-Chloro-3-nitrobenzotrifluoride	C ₇ H ₄ FN 4-Fluorobenzonitrile
C ₆ H ₁₈ N ₂ O ₂ Isopropylhydroxylamine oxalate	C ₇ H ₃ ClN ₂ O ₅ 3,5-Dinitrobenzoyl chloride	C ₇ H ₄ FNO 3-Fluorophenyl isocyanate 4-Fluorophenyl isocyanate
C ₆ H ₁₈ N ₃ OP Hexamethylphosphoric acid triamide	C ₇ H ₃ ClN ₂ O ₆ 4-Chloro-3,5-dinitrobenzoic acid	C ₇ H ₄ FNO ₃ 2-Fluoro-6-nitrobenzaldehyde
C ₆ H ₁₈ N ₃ P Tris(dimethylamino)phosphine	C ₇ H ₃ Cl ₂ N 2,6-Dichlorobenzonitrile	C ₇ H ₄ FNS 2-Fluorobenzothiazole 4-Fluorophenyl isothiocyanate
C ₆ H ₁₈ N ₄ Triethylenetetramine Triethylenetetramine disulfate Tris(2-aminoethyl)amine	C ₇ H ₃ Cl ₂ NO 3,4-Dichlorophenyl isocyanate	C ₇ H ₄ F ₃ NO ₂ 2-Nitro-α,α,α-trifluorotoluene 3-Nitro-α,α,α-trifluorotoluene
C ₆ H ₁₈ OSi ₂ Hexamethyldisiloxane	C ₇ H ₃ Cl ₃ O 2,4-Dichlorobenzoyl chloride 2,6-Dichlorobenzoyl chloride 3,4-Dichlorobenzoyl chloride	C ₇ H ₄ F ₃ NO ₃ 5-Hydroxy-2-nitrobenzotrifluoride
C ₆ H ₁₈ O ₂₄ P ₆ Phytic acid	C ₇ H ₃ I ₃ O ₂ 2,3,5-Triiodobenzoic acid 3,4,5-Triiodobenzoic acid	C ₇ H ₄ F ₆ NO O-(2,3,4,5,6-Pentafluorobenzyl)- hydroxylamine hydrochloride
C ₆ H ₁₈ SSi ₂ Hexamethyldisilthiane	C ₇ H ₄ BrClO 2-Bromobenzoyl chloride 3-Bromobenzoyl chloride 4-Bromobenzoyl chloride	C ₇ H ₄ I ₂ O ₃ 3,5-Diiodo-2-hydroxybenzoic acid
C ₆ H ₁₈ Si ₂ Hexamethyldisilane	C ₇ H ₄ BrF ₃ 2-Bromobenzotrifluoride 3-Bromobenzotrifluoride 4-Bromobenzotrifluoride	
C ₆ H ₁₉ NSi ₂ Hexamethyldisilazane Sodium-bis(trimethylsilyl)amide	C ₇ H ₄ BrN 4-Bromobenzonitrile	
C ₆ F ₉ O ₆ Tl Thallium(III) trifluoroacetate	C ₇ H ₄ BrNS 4-Bromophenyl isothiocyanate	
C ₆ MoO ₆ Molybdenhexacarbonyl	C ₇ H ₄ Br ₂ O ₂ 2,5-Dibromobenzoic acid	
C ₆ N ₄ Tetracyanoethylene	C ₇ H ₄ Br ₂ O ₃ 3,5-Dibromo-salicylic acid	
	C ₇ H ₄ CFO 2-Fluorobenzoyl chloride 3-Fluorobenzoyl chloride 4-Fluorobenzoyl chloride	

- C₇H₆N₂O₂
 2-Nitrobenzonitrile
 3-Nitrobenzonitrile
 4-Nitrobenzonitrile
- C₇H₆N₂O₂Se
 2-Nitrophenylselenocyanate
- C₇H₆N₂O₆
 2,4-Dinitrobenzaldehyde
- C₇H₆N₂O₆
 2,4-Dinitrobenzoic acid
 3,4-Dinitrobenzoic acid
 3,5-Dinitrobenzoic acid
- C₇H₆N₂O₇
 3,5-Dinitrosalicylic acid
- C₇H₆O₄S
 2-Sulfobenzoic acid cyclic anhydride
- C₇H₆O₆
 Chelidonic acid
- C₇H₆BrCl₂
 α-Bromo-2,6-dichlorotoluene
- C₇H₆BrO
 2-Bromobenzaldehyde
 3-Bromobenzaldehyde
 4-Bromobenzaldehyde
- C₇H₆BrO₂
 2-Bromobenzoic acid
 3-Bromobenzoic acid
 4-Bromobenzoic acid
- C₇H₆BrO₃
 5-Bromosalicylic acid
- C₇H₆Br₃Hg
 Phenyl(tribromomethyl)mercury acid
- C₇H₆ClF₃N
 3-Amino-4-chlorobenzotrifluoride
 5-Amino-2-chlorobenzotrifluoride
- C₇H₆ClHgO₂
 4-Chloromercuribenzoic acid
- C₇H₆ClN₂
 2-Amino-5-chlorobenzonitrile
- C₇H₆ClN₄
 5-Chloro-2-phenyl-1H-tetrazole
- C₇H₆ClO
 Benzoyl chloride
 2-Chlorobenzaldehyde
 3-Chlorobenzaldehyde
 4-Chlorobenzaldehyde
- C₇H₆ClO₂
 2-Chlorobenzoic acid
 3-Chlorobenzoic acid
 4-Chlorobenzoic acid
 Phenyl chloroformate
- C₇H₆ClO₃
 3-Chloroperbenzoic acid
 5-Chlorosalicylic acid
- C₇H₆Cl₃
 α,α,α-Trichlorotoluene
 2,4,α-Trichlorotoluene
 2,6,α-Trichlorotoluene
 3,4,α-Trichlorotoluene
 2,4,5-Trichlorotoluene
- C₇H₆Cl₃Hg
 Phenyl(trichloromethyl)mercury
- C₇H₆FO
 2-Fluorobenzaldehyde
 3-Fluorobenzaldehyde
 4-Fluorobenzaldehyde
- C₇H₆FO₂
 2-Fluorobenzoic acid
 3-Fluorobenzoic acid
 4-Fluorobenzoic acid
- C₇H₆F₃
 α,α,α-Trifluorotoluene
- C₇H₆F₃N₂O₂
 2-Amino-5-nitrobenzotrifluoride
 4-Amino-3-nitrobenzotrifluoride
- C₇H₆F₃O
 3-Hydroxybenzotrifluoride
- C₇H₆F₃OS
 1,1,1-Trifluoro-3(2-thienyl)-2-propanone
- C₇H₆IO₂
 2-Iodobenzoic acid
 3-Iodobenzoic acid
- C₇H₆IO₃
 2-Iodosobenzoic acid
 5-Iodosalicylic acid
- C₇H₆I₂NO₃
 3,5-Diiodo-4-pyridone-N-acetic acid
- C₇H₆N
 Benzonitrile
- C₇H₆NO
 1,2-Benzisoxazole
 2,1-Benzisoxazole
 2-Hydroxybenzonitrile
 4-Hydroxybenzonitrile
 Phenyl isocyanate
- C₇H₇NOS
 2-Mercaptobenzoxazole
- C₇H₆NO₃
 2-Nitrobenzaldehyde
 3-Nitrobenzaldehyde
 4-Nitrobenzaldehyde
- C₇H₆NO₃S
 Benzenesulfonyl isocyanate
 o-Benzoic acid sulfimide
 o-Benzoic acid sulfimide Sodium salt
- C₇H₆NO₄
 2,6-Dicarboxylic acid
 3,4-Methylenedioxynitrobenzene
 2-Nitrobenzoic acid
 3-Nitrobenzoic acid
 4-Nitrobenzoic acid
 4-Nitrophenyl formate
 Quinolinic acid
- C₇H₆NO₆
 Chelidamic acid
 3-Hydroxy-4-nitrobenzoic acid
 4-Hydroxy-3-nitrobenzoic acid
 4-Nitroperbenzoic acid
 5-Nitrosalicylic acid
- C₇H₆NS
 Benzothiazole
 Phenyl isothiocyanate
- C₇H₆NS₂
 2-Mercaptobenzothiazole
- C₇H₆N₃O₂
 2-Cyano-4-nitroaniline
 3,4-Dihydro-3-hydroxy-4-oxo-1,2,3-benzotriazine
 5-Nitrobenzimidazole
 5-Nitrobenzimidazole nitrate
 5-Nitroindazole
- C₇H₆N₆O₃
 Pterine-6-carboxylic acid
 Pterine-7-carboxylic acid
- C₇H₆BrCl
 3-Chlorobenzyl bromide
- C₇H₆BrF
 4-Fluorobenzyl bromide
- C₇H₆BrNO₂
 2-Bromo-4-nitrotoluene
 4-Nitrobenzyl-bromide
- C₇H₆BrNO₃
 2-Hydroxy-5-nitrobenzyl bromide
- C₇H₆Br₂
 2-Bromobenzyl bromide
 3-Bromobenzyl bromide
 4-Bromobenzyl bromide
- C₇H₆ClF
 2-Fluorobenzyl chloride
 3-Fluorobenzyl chloride
 4-Fluorobenzyl chloride
- C₇H₆ClNO₂
 3-Amino-4-chlorobenzoic acid
 4-Chloro-2-nitrotoluene
 2-Chloro-6-nitrotoluene
 2-Nitrobenzyl chloride
 4-Nitrobenzyl chloride
- C₇H₆ClNO₃
 4-Chloro-3-nitroanisole
- C₇H₆ClO₂S
 Phenylmethane sulfochloride
- C₇H₆Cl₂
 2-Chlorobenzyl chloride
 3-Chlorobenzyl chloride
 4-Chlorobenzyl chloride
 α,α-Dichlorotoluene
 2,4-Dichlorotoluene
 2,6-Dichlorotoluene
 3,4-Dichlorotoluene
- (C₇H₆Cl₂N₂O)₂
 Fast Red RC salt
- C₇H₆Cl₂O
 2,3-Dichloroanisole
 2,6-Dichloroanisole
 2,4-Dichlorobenzyl alcohol
 3,4-Dichlorobenzyl alcohol
 4,6-Dichloro-o-cresol
- C₇H₆Cl₂O₂S
 3,5-Dichlorophenyl methyl sulfone
- C₇H₆Cl₄O₂
 5,5-Dimethoxy-1,2,3,4-tetrachlorocyclopentadiene

C ₇ H ₇ NS Thiobenzamide	C ₇ H ₈ N ₂ S N-Phenylthiourea	C ₇ H ₆ IN ₂ O 1-Methylpyridinium-2-carboxaldoxime iodide
C ₇ H ₇ N ₃ 2-Aminobenzimidazole	C ₇ H ₈ N ₄ O ₂ 1,7-Dimethylxanthine 1,9-Dimethylxanthine 3,9-Dimethylxanthine 7,9-Dimethylxanthinium betaine	C ₇ H ₆ FN 1,3-Dimethyl-2-fluoropyridinium 4-toluenesulfonate
C ₇ H ₇ N ₃ O ₃ 2-Nitrobenzhydrazide 3-Nitrobenzhydrazide 4-Nitrobenzhydrazide	C ₇ H ₈ N ₄ O ₃ 1,3-Dimethyluric acid 1,7-Dimethyluric acid 1,9-Dimethyluric acid 3,9-Dimethyluric acid 7,9-Dimethyluric acid	C ₇ H ₆ N Benzylamine 2-Ethylpyridine 3-Ethylpyridine 4-Ethylpyridine 2,4-Lutidine 2,6-Lutidine 3,4-Lutidine 3,5-Lutidine N-Methylaniline o-Toluidine m-Toluidine p-Toluidine o-Toluidine hydrochloride p-Toluidine hydrochloride
C ₇ H ₇ O ₄ Rh Dicarbonylacetylacetonato-Rhodium(I)	C ₇ H ₈ O Anisole Benzyl alcohol o-Cresol m-Cresol p-Cresol	C ₇ H ₆ NO 2-Acetyl-N-methylpyrrole 2-Aminobenzyl alcohol 4-Aminobenzyl alcohol 4-Amino-m-cresol 2-Amino-p-cresol o-Anisidine m-Anisidine p-Anisidine o-Benzylhydroxylamine hydrochloride 2-(2-Hydroxyethyl)pyridine
C ₇ H ₈ Bicyclo[2.2.1]hepta-2,5-diene Cycloheptatriene Toluene	C ₇ H ₈ O ₂ 2-Methoxythiophenol 3-Methoxythiophenol 4-Methoxythiophenol 4-(Methylmercapto)phenol Methyl phenyl sulfoxide	(C ₇ H ₆ NO) ₂ Metol
C ₇ H ₈ BrN 2-Amino-5-bromotoluene 4-Amino-3-bromotoluene 5-Amino-2-bromotoluene	C ₇ H ₈ O ₂ 2,6-Dihydroxytoluene 2,6-Dimethyl-γ-pyrone Guaiacol 2-Hydroxybenzyl alcohol 4-Hydroxybenzyl alcohol 3-Methoxyphenol 4-Methoxyphenol 4-Methylcatechol Orcine Toluhydroquinone	C ₇ H ₆ NO ₂ 3-Amino-2,3-dihydro benzoic acid hydrochloride Benzoic acid Ammonium salt 2,6-Dimethoxypyridine
C ₇ H ₈ CIN 2-Chlorobenzylamine 3-Chlorobenzylamine 4-Chlorobenzylamine 2-Chloro-4-methylaniline 2-Chloro-6-methylaniline 3-Chloro-2-methylaniline 3-Chloro-4-methylaniline 4-Chloro-2-methylaniline 5-Chloro-2-methylaniline	C ₇ H ₈ O ₂ S Ethyl thiophene-2-carboxylate	C ₇ H ₆ NO ₂ S Toluene-4-sulfonamide
C ₇ H ₈ CINO 4-Chloro-o-anisidine	C ₇ H ₈ O ₂ S ₂ Potassium thiotosylate Toluene-4-sulfinic acid Lithium salt Toluene-4-sulfinic acid Sodium salt	C ₇ H ₆ NO ₃ S 4-Methylaniline-2-sulfonic acid
C ₇ H ₈ CINO ₂ 1-Carboxymethylpyridinium chloride Trigonelline hydrochloride	C ₇ H ₈ O ₃ 3,5-Dihydroxyanisole Ethyl 2-furoate Ethyl 3-furoate 2-Methoxyhydroquinone Pyrogallol-1-methyl ether	C ₇ H ₆ NS 3-Methylmercaptoaniline
C ₇ H ₈ CINO ₂ S Chloramine T	C ₇ H ₈ O ₃ α-Furfurylmercaptoacetic acid Toluene-4-sulfonic acid Monohydrate Toluene-4-sulfonic acid Sodium salt	C ₇ H ₆ N ₃ O 1-Phenylsemicarbazide 4-Phenylsemicarbazide
C ₇ H ₈ FN 4-Fluorobenzylamine	C ₇ H ₈ S Benzyl mercaptan Thioanisole p-Thiocresol	C ₇ H ₆ N ₃ S 1-Phenylthiosemicarbazide 4-Phenylthiosemicarbazide
C ₇ H ₈ N ₂ Benzamidine Benzamidine hydrochloride	C ₇ H ₈ O ₃ S Toluene-3,4-dithiol	C ₇ H ₆ N ₅ 6-Dimethylaminopurine
C ₇ H ₈ N ₂ O Anthranilic acid amide Benzhydrazide N-Phenylurea	C ₇ H ₈ BBrF ₄ N N-Ethyl-2-bromopyridinium tetrafluoroborate	C ₇ H ₆ N ₅ O 1,7-Dimethylguanine 7,9-Dimethyl guaniniumbetaine 9-Methyl-2-methylamino-6(1H)-purinone
C ₇ H ₈ N ₂ O ₂ 2-Amino-4-nitrotoluene 2-Amino-5-nitrotoluene 2-Amino-6-nitrotoluene 4-Amino-2-nitrotoluene 4-Amino-3-nitrotoluene 3,4-Diaminobenzoic acid 3,5-Diaminobenzoic acid 3,5-Diaminobenzoic acid dihydrochloride 4-Hydrazinobenzoic acid 2-Hydrazinobenzoic acid hydrochloride 4-Hydroxybenzhydrazide Salicylic acid hydrazide	C ₇ H ₈ BrO ₄ cycl.-Isopropylidene 2-bromo-2- methylmalonate	C ₇ H ₁₀ Bicyclo[2.2.1]hept-2-ene
C ₇ H ₈ N ₂ O ₃ 3-Nitro-p-anisidine o-(4-Nitrobenzyl)hydroxylamine hydrochloride		C ₇ H ₁₀ CIN ₃ O Girard Reagent P

$C_7H_{10}N_2$ 2-Amino-4,6-dimethylpyridine 2-(2-Aminoethyl)pyridine Benzylhydrazine oxalate 2,4-Diaminotoluene 2,6-Diaminotoluene 3,4-Diaminotoluene 2,5-Diaminotoluene sulfate 4-Dimethylaminopyridine N-Methyl-N-phenylhydrazine (asym.) Pimelonitrile o-Tolylhydrazine hydrochloride m-Tolylhydrazine hydrochloride p-Tolylhydrazine hydrochloride	$C_7H_{11}NO_2$ 2-Amino-3-ethoxycarbonyl-4,5-dihydrofurane Butyl cyanoacetate tert-Butyl cyanoacetate $C_7H_{11}NS$ Cyclohexyl isothiocyanate $C_7H_{11}N_3O_2$ 1-(tert-Butoxycarbonyl)-1H-1,2,4-triazole L-Histidine methy ester dihydrochloride C_7H_{12} Cycloheptene 2,4-Dimethyl-1,3-pentadiene 1-Heptyne 1-Methyl-1-cyclohexene 3-Methyl-1-cyclohexene 4-Methyl-1-cyclohexene Methylenecyclohexane 2-Methyl-1,5-hexadiene $C_7H_{12}ClN$ 3-Chloroquinuclidine hydrochloride $C_7H_{12}INOS$ 3,4-Dimethyl-5-(2-hydroxyethyl)thiazolium iodide $C_7H_{12}N_2$ N-Butylimidazole 1,5-Diazabicyclo[4.3.0]non-5-ene 1,2,4,5-Tetramethylimidazole $C_7H_{12}N_2O$ N-(2-Cyanoethyl)morpholine $C_7H_{12}N_2O_2$ 1,2-Cycloheptanedionedioxime $C_7H_{12}N_2O_3$ Glycyl-L-proline $C_7H_{12}N_2O_5$ Glycyl-L-glutamic acid $C_7H_{12}O$ Cycloheptanone 2,5-Dimethyl-1-cyclopentanone (cis + trans) 2-Methylcyclohexanone 3-Methylcyclohexanone 4-Methylcyclohexanone Methylcyclohexanone mixed isomers α -Norborneol $C_7H_{12}O_2$ Butyl acrylate tert-Butyl acrylate Cyclohexanecarboxylic acid 3,3-Diethoxy-1-propyne Isobutyl acrylate Pivaloylacetalddehyde $C_7H_{12}O_2S_2$ Ethyl 1,3-dithiane-2-carboxylate $C_7H_{12}O_3$ Ethylene glycol monoethylether acrylate Ethyl levulinate Ethyl 2-methylacetoacetate Ethyl 3-oxovalerate Hydroxypropyl methacrylate	$C_7H_{12}O_4$ Diethyl malonate Diethylmalonic acid Dimethyl glutarate 2,2-Dimethylglutaric acid 2,4-Dimethylglutaric acid 3,3-Dimethylglutaric acid 3-Methyladipic acid Pimelic acid $C_7H_{12}O_5$ α,β -Diacetin $C_7H_{12}O_6$ D(-)-Quinic acid $C_7H_{12}O_7$ α -D-Heptagluconic acid γ -lactone $C_7H_{13}BrO_2$ 5-Bromopentyl acetate Ethyl 5-bromovalerate $C_7H_{13}ClO$ Heptanoyl chloride $C_7H_{13}N$ 1-Diethylaminopropyne 3-Diethylamino-1-propyne 2-Norbornylamine Quinuclidine hydrochloride $C_7H_{13}NO$ N-tert-Butylacrylamide N-Methylcaprolactam Oenantholactam 3-Quinuclidinol $C_7H_{13}NO_2$ 1-(3-Hydroxypropyl)-2-pyrrolidone $C_7H_{13}NO_3S$ N-Acetyl-L-methionine N-Acetyl-D-penicillamine $C_7H_{13}NO_4$ BOC-glycine Diethyl aminomalonate hydrochloride L-Glutamic acid dimethyl ester hydrochloride L-Glutamic acid 5-ethyl ester $C_7H_{13}N_3O_4$ Glycyl-glycyl-L-alanine C_7H_{14} Cycloheptane 2,3-Dimethyl-1-pentene 2,4-Dimethyl-1-pentene 4,4-Dimethyl-1-pentene 2,3-Dimethyl-2-pentene 2,4-Dimethyl-2-pentene cis-4,4-Dimethyl-2-pentene trans-4,4-Dimethyl-2-pentene 4,4-Dimethyl-2-pentene (cis + trans) 1-Heptene trans-2-Heptene trans-3-Heptene Methylcyclohexane 2-Methyl-1-hexene 2-Methyl-2-hexene trans-2-Methyl-3-hexene 3-Methyl-1-hexene 4-Methyl-1-hexene 5-Methyl-1-hexene 2,3,3-Trimethyl-1-butene
---	--	---

C ₇ H ₁₄ BrN ₃ O ₂ Diazoacetylcholine bromide	C ₇ H ₁₆ Br 1-Bromoheptane 2-Bromoheptane	C ₇ H ₁₆ ClNO ₂ Acetylcholine chloride
C ₇ H ₁₄ Br ₂ 1,7-Dibromoheptane	C ₇ H ₁₆ Cl 1-Chloroheptane	C ₇ H ₁₆ ClNO ₃ (±)-Carnitine chloride
C ₇ H ₁₄ CIN 2-(2-Chloroethyl)-1-methylpyrrolidine hydrochloride 1-(2-Chloroethyl)piperidine hydrochloride	C ₇ H ₁₆ ClO ₂ 3-Chloropropionaldehyde diethylacetal	C ₇ H ₁₆ INOS Acetylthiocholine iodide
C ₇ H ₁₄ N ₂ N,N'-Diisopropylcarbodiimide	C ₇ H ₁₆ F 1-Fluoroheptane	C ₇ H ₁₆ INO ₂ Acetylcholine iodide
C ₇ H ₁₄ N ₂ O 1-(3-Aminopropyl)-2-pyrrolidone	C ₇ H ₁₆ F ₃ O ₃ SSi tert-Butyl dimethylsilyl trifluoromethane- sulfonate	C ₇ H ₁₆ N ₂ 4-Dimethylaminopiperidine hydrochloride 1-Ethyl-3-aminopiperidine
C ₇ H ₁₄ N ₂ O ₂ 1-Ethoxycarbonylpiperazine	C ₇ H ₁₅ I 1-Iodoheptane	C ₇ H ₁₆ N ₂ O 4-(3-Aminopropyl)-morpholine
C ₇ H ₁₄ N ₂ O ₃ Glycyl-L-valine	C ₇ H ₁₆ N Aminomethylcyclohexane Cycloheptylamine N-(Cyclopropylmethyl)propylamine 2,6-Dimethylpiperidine 3,3-Dimethylpiperidine 1-Ethylpiperidine 2-Ethylpiperidine Heptamethylenimine N-Methylcyclohexylamine 2-Methylcyclohexylamine (cis + trans) 4-Methylcyclohexylamine	C ₇ H ₁₆ N ₄ O ₂ L-Arginine methyl ester dihydrochloride
C ₇ H ₁₄ N ₂ O ₃ S L-Methionyl-glycine		C ₇ H ₁₆ O 2,2-Dimethyl-3-pentanol 2,4-Dimethyl-2-pentanol 3-Ethyl-3-pentanol 1-Heptanol 2-Heptanol 3-Heptanol 4-Heptanol 2-Methyl-2-hexanol 3-Methyl-2-hexanol
C ₇ H ₁₄ N ₂ O ₄ DL-2,6-Diaminopimelic acid		C ₇ H ₁₆ O ₂ 2-tert-Butyloxy-1-methoxyethane 1,7-Heptanediol 2-Methyl-2-propyl-1,3-propanediol Propionaldehyde diethyl acetal
C ₇ H ₁₄ N ₂ O ₄ S DL,DL-allo-Cystathionine		C ₇ H ₁₆ O ₂ Si Ethyl trimethylsilylacetate
C ₇ H ₁₄ N ₂ O ₄ S ₂ L-Djenkolic acid		C ₇ H ₁₆ O ₃ Triethyl orthoformate Trimethyl orthobutyrate
C ₇ H ₁₄ O Allyl butyl ether Cycloheptanol 2,4-Dimethyl-3-pentanone 3-Heptanone 4-Heptanone 1-Hepten-3-ol Hydroxymethylcyclohexane 2-Methylcyclohexanol 3-Methylcyclohexanol (cis + trans) 4-Methylcyclohexanol (cis + trans) 5-Methyl-2-hexanone 5-Methyl-3-hexanone	C ₇ H ₁₅ NO Diethylaminoacetone N,N-Dimethylvaleramide N,N-Diisopropyl formamide 1-Ethyl-3-hydroxypiperidine 1-Ethyl-4-hydroxypiperidine Formaldehyde diphenylmercaptal 1-(2-Hydroxyethyl)piperidine 3-Hydroxymethyl-1-methylpiperidine 1-Morpholinocyclopentene	C ₇ H ₁₆ O ₃ S Heptanesulfonic acid Sodium salt
C ₇ H ₁₄ O ₂ Acrolein diethyl acetal Butyl glycid ether tert-Butyl propionate Ethyl isovalerate Ethyl 2-methylbutyrate Ethyl pivalate Ethyl n-valerate Isopentyl acetate Methyl caproate 2-Methylhexanoic acid Oenanthalic acid Pentyl acetate prim.-Pentyl acetate Propyl butyrate	C ₇ H ₁₅ NO ₂ L-Alanine tert-butyl ester L-Alanine tert-butyl ester hydrochloride Dibenzenesulfimide salt Ethyl 3-dimethylaminopropionate L-Isoleucine methyl ester hydrochloride L-Leucine methyl ester hydrochloride	C ₇ H ₁₆ O ₄ 1,1,3,3-Tetramethoxypropane Triethylene glycol monomethyl ether
C ₇ H ₁₄ O ₃ Butyl-L-(-)-lactate Ethyl 2-hydroxy-n-valerate	C ₇ H ₁₅ NO ₂ S L-Methionine ethyl ester hydrochloride	C ₇ H ₁₆ S 1-Heptanethiol
C ₇ H ₁₄ O ₆ Methyl-α-D-glucopyranoside Methyl-β-D-glucopyranoside Methyl-α-D-mannopyranoside	C ₇ H ₁₅ NO ₂ S ₂ S-tert-Butylmercapto-L-cysteine	C ₇ H ₁₇ N 2-Aminoheptane 3-Aminoheptane 2-Amino-5-methylhexane N-tert-Butylisopropylamine Heptylamine N-Hexylmethylamine 1-Isopropyl-2-methylpropylamine
C ₇ H ₁₄ O ₇ D-Mannoheptulose	C ₇ H ₁₆ NO ₄ S 3-Morpholinopropanesulfonic acid	C ₇ H ₁₇ NO 3-Butyloxy-1-propylamine
	C ₇ H ₁₆ 2,2-Dimethylpentane 2,4-Dimethylpentane 3,3-Dimethylpentane Heptane 2-Methylhexane 3-Methylhexane 2,2,3-Trimethylbutane	C ₇ H ₁₇ NO ₂ N,N-Dimethylformamide diethyl acetal
	C ₇ H ₁₆ BrNO ₂ Acetylcholine bromide	C ₇ H ₁₇ NO ₅ N-Methyl-D-glucamine
		C ₇ H ₁₇ NO ₆ S N-Tris-(hydroxymethyl)-methyl-3-amino- propanesulfonic acid

C ₇ H ₁₇ NO ₇ P DL-Glyceraldehyde-3-phosphate-diethylacetal Barium salt	C ₈ H ₄ Cl ₂ O ₂ Isophthaloyl chloride Phthaloyl chloride Terephthaloyl chloride	C ₈ H ₆ NO ₃ N-Hydroxyphthalimide Isatoic anhydride
C ₇ H ₁₇ O ₆ PSi Trimethylsilyl P,P-dimethylphosphonoacetate	C ₈ H ₄ Cl ₂ O ₄ 4,5-Dichlorophthalic acid	C ₈ H ₆ NO ₆ 5-Nitroisophthalic acid 3-Nitrophthalic acid 4-Nitrophthalic acid Nitroterephthalic acid
C ₇ H ₁₈ BrN Dimethylethylpropylammonium bromide Triethylmethylammonium bromide	C ₈ H ₄ Cl ₆ α,α,α',α',α',α'-Hexachloro-p-xylene	C ₈ H ₆ N ₃ O ₂ 4-Phenyl-4H-1,2,4-triazolinedione
C ₇ H ₁₈ N ₂ 1,3-Bis-(ethylamino)propane (sym.) 1,7-Diaminoheptane 3-Diethylamino-1-propylamine N,N,N',N'-Tetramethyl-1,3-propane-diamine	C ₈ H ₄ F ₃ N 3-Trifluoromethylbenzonitrile	C ₈ H ₆ Phenylacetylene
C ₇ H ₁₈ N ₂ O ₂ N-(3-Aminopropyl)-diethanolamine	C ₈ H ₄ F ₃ NO 3-Trifluoromethylphenyl isocyanate	C ₈ H ₆ BrClNO ₄ P 5-Bromo-4-chloro-3-indolyl-phosphate-p-toluidine salt
C ₇ H ₁₈ NOSi ₂ Bis(trimethylsilyl)formamide	C ₈ H ₄ F ₃ NO ₄ 4-Nitrophenyl trifluoroacetate	C ₈ H ₆ BrClO α-Bromo-p-chloroaceto-phenone
C ₇ H ₁₉ NO ₂ Si ₂ N,O-Bis-(trimethylsilyl) carbamate	C ₈ H ₄ F ₄ O 3-Trifluoromethylbenzoyl fluoride	C ₈ H ₆ BrN 5-Bromoindole 4-Bromomethylbenzonitrile
C ₇ H ₁₉ NSi N,N-Diethyltrimethylsilylamine	C ₈ H ₄ F ₆ α,α,α',α',α',α'-Hexafluoro-m-xylene	C ₈ H ₆ BrNO ₃ ω-Bromo-4-nitroacetophenone
C ₇ H ₁₉ N ₃ N-Methyldipropylenetriamine Spermidine Spermidine trihydrochloride Spermidine phosphate	C ₈ H ₄ N ₂ Isophthalonitrile Phthalonitrile Terephthalonitrile	C ₈ H ₆ BrN ₃ O 4-Azidophenacyl bromide
C ₇ H ₁₉ O ₃ PSi Diethyl trimethylsilylphosphite	C ₈ H ₄ N ₂ S ₂ 1,4-Phenylenediisothiocyanate	C ₈ H ₆ Br ₂ O 4-Bromophenacyl bromide
C ₇ H ₂₀ N ₂ OSi ₂ Bis(trimethylsilyl)urea	C ₈ H ₄ O ₃ Phthalic anhydride	C ₈ H ₆ Br ₄ α,α,α',α'-Tetrabromo-m-xylene α,α,α',α'-Tetrabromo-p-xylene
C ₇ H ₂₁ NSi ₂ N,N-Bis(trimethylsilyl) methylamine	C ₈ H ₄ O ₇ Tetrahydrofuran-2,3,4,5-tetracarboxylic acid dianhydride	C ₈ H ₆ ClF ₃ 3-Chloromethyl benzotrifluoride
C ₈ Cl ₂ N ₂ O ₂ 2,3-Dichloro-5,6-dicyano-1,4-benzo-quinone	C ₈ H ₅ Cl ₂ N 2,4-Dichlorobenzylcyanide 3,4-Dichlorobenzylcyanide	C ₈ H ₆ ClF ₆ Si Pentafluorophenyl-dimethylchlorosilane
C ₈ Cl ₄ O ₃ Tetrachlorophthalic anhydride	C ₈ H ₅ Cl ₃ O ω,2,4-Trichloroacetophenone	C ₈ H ₆ CIN 3-Chlorobenzyl cyanide 4-Chlorobenzyl cyanide
C ₈ Co ₂ O ₈ Cobalt carbonyl	C ₈ H ₅ F ₃ O 2,2,2-Trifluoroacetophenone	C ₈ H ₆ CINO ₄ 4-Nitrobenzyl chloroformate
C ₈ F ₁₄ O ₃ Heptafluorobutyric acid anhydride	C ₈ H ₅ F ₃ OS ₂ 2-Thiothenoyltrifluoroacetone	C ₈ H ₆ Cl ₂ O 2-Chloromethylbenzoyl chloride 3-Chloromethylbenzoyl chloride 4-Chloromethylbenzoyl chloride α-Chlorophenylacetyl chloride
C ₈ F ₁₈ Octadecafluorooctane	C ₈ H ₅ F ₃ O ₂ 3-Trifluoromethylbenzoic acid 4-Trifluoromethylbenzoic acid	C ₈ H ₆ Cl ₂ O ₂ 2,4-Dichlorophenylacetic acid 2,6-Dichlorophenylacetic acid
C ₈ HF ₁₈ O ₂ Pentadecafluorooctanoic acid	C ₈ H ₅ F ₃ O ₂ S 2-Thenoyltrifluoroacetone	C ₈ H ₆ Cl ₂ O ₃ 2,3-Dichlorophenoxyacetic acid 2,4-Dichlorophenoxyacetic acid
C ₈ H ₂ Cl ₂ O ₃ 3,6-Dichlorophthalic anhydride	C ₈ H ₅ F ₆ N 3,5-Bis(trifluoromethyl)-aniline	C ₈ H ₆ Cl ₄ α,α,α',α',-Tetrachloro-o-xylene
C ₈ H ₃ NO ₆ 3-Nitrophthalic anhydride	C ₈ H ₅ KN ₂ S ₃ Bismuthiol II	C ₈ H ₆ INO ₄ Nitrophenyl iodoacetate
C ₈ H ₄ BrNO ₂ 5-Bromoisatin	C ₈ H ₅ NO Benzoyl cyanide 4-Cyanobenzaldehyde	C ₈ H ₆ N ₂ Benzo[d]pyridazine Quinacoline Quinoxaline
C ₈ H ₄ ClF ₃ O 2-Trifluoromethylbenzoyl chloride 3-Trifluoromethylbenzoyl chloride 4-Trifluoromethylbenzoyl chloride	C ₈ H ₅ NOS Benzoyl isothiocyanate	C ₈ H ₆ N ₂ O Phthalazone
	C ₈ H ₅ NO ₂ 3-Cyanobenzoic acid 4-Cyanobenzoic acid Isatin Phthalimide Phthalimide Potassium salt	

- C₈H₈N₂O₂
 N-Aminophthalimide
 4-Nitrophenylacetonitrile
 N,N'-Phthaloylhydrazine (sym.)
- C₈H₈N₂O₆
 2,4-Dinitrophenylacetic acid
 3,5-Dinitro-o-toluic acid
- C₈H₈N₄O₄S
 1-(4-Nitrobenzenesulfonyl)-1H-1,2,4-triazole
- C₈H₈N₄O₆
 Alloxantin
- C₈H₈O
 Cumarone
- C₈H₈O₂
 Isophthalaldehyde
 Phenylglyoxal
 Phthaldialdehyde
 Phthalide
 Terephthalaldehyde
- C₈H₈O₂S₂
 Dithioterephthalic acid
- C₈H₈O₃
 Benzoylformic acid
 4-Carboxybenzaldehyde
 Phthalaldehydic acid
 Piperonal
- C₈H₈O₄
 Isophthalic acid
 Phthalic acid
 Piperonylic acid
 Potassium hydrogenphthalate
 Terephthalic acid
 Terephthalic acid Sodium salt
- C₈H₈S
 Thionaphthene
- C₈H₇Br
 2-Bromostyrene
 4-Bromostyrene
 β-Bromostyrene (cis + trans)
- C₈H₇BrN₂O₄
 2-(Bromoacetamino)-4-nitrophenol
- C₈H₇BrO
 3-Bromoacetophenone
 4-Bromoacetophenone
 Phenacyl bromide
- C₈H₇BrO₂
 α-Bromo-p-toluic acid
- C₈H₇BrO₃
 4-Bromomandelic acid
 5-Bromovanillin
- C₈H₇Cl
 4-Chlorostyrene
- C₈H₇ClO
 2-Chloroacetophenone
 4-Chloroacetophenone
 Phenacyl chloride
 Phenylacetyl chloride
 p-Toluoyl chloride
- C₈H₇ClOS
 o-4-Tolyl chlorothioformate
- C₈H₇ClO₂
 Benzyl chloroformate
 2-Chlorophenylacetic acid
 3-Chlorophenylacetic acid
 4-Chlorophenylacetic acid
 α-Chloro-p-toluylic acid
- C₈H₇ClO₃
 4-Chloromandelic acid
 4-Chlorophenoxyacetic acid
- C₈H₇F
 4-Fluorostyrene
- C₈H₇FO
 2-Fluoroacetophenone
 4-Fluoroacetophenone
- C₈H₇FO₂
 4-Fluorophenylacetic acid
- C₈H₇F₃
 (±)-1-Phenyl-2,2,2-trifluoroethanol
- C₈H₇N
 Benzyl cyanide
 Indole
 o-Tolunitrile
 m-Tolunitrile
 p-Tolunitrile
- C₈H₇NO
 4-Hydroxybenzyl cyanide
 5-Hydroxyindole
 Mandelonitrile
 2-Methylbenzoxazole
- C₈H₇NO₂
 Isonitrosoacetophenone
 3-Methoxyphenyl isocyanate
 4-Methoxyphenyl isocyanate
- C₈H₇NO₃
 2-Nitroacetophenone
 3-Nitroacetophenone
 4-Nitroacetophenone
- C₈H₇NO₃S
 4-Toluene-4-sulfonyl isocyanate
- C₈H₇NO₄
 Methyl 3-nitrobenzoate
 Methyl 4-nitrobenzoate
 2-Methyl-3-nitrobenzoic acid
 3-Methyl-2-nitrobenzoic acid
 3-Methyl-4-nitrobenzoic acid
 5-Methyl-2-nitrobenzoic acid
 4-Nitrophenyl acetate
 2-Nitrophenylacetic acid
 4-Nitrophenylacetic acid
- C₈H₇NO₄S
 Indoxyl sulfate Potassium salt
- C₈H₇NO₅
 2-Nitrophenoxyacetic acid
- C₈H₇NS
 Benzyl isothiocyanate
 Benzyl thiocyanate
 2-Methylbenzothiazole
 4-Methylphenyl isothiocyanate
- C₈H₇NSe
 2-Methylbenzoselenazole
- C₈H₇N₃O₂
 3-Aminophthalhydrazide
- C₈H₈
 Cyclooctatetraene
 Styrene monomer
- C₈H₈BrNO
 4-Bromoacetanilide
- C₈H₈BrNO₃
 2-Methoxy-5-nitrobenzyl bromide
- C₈H₈Br₂
 α,α'-Dibromo-o-xylene
 α,α'-Dibromo-m-xylene
 α,α'-Dibromo-p-xylene
- C₈H₈CINO
 4-Chloroacetanilide
- C₈H₈CINO₃S
 4-Acetylsulfanilyl chloride
- C₈H₈Cl₂
 α,α'-Dichloro-o-xylene
 α,α'-Dichloro-m-xylene
 α,α'-Dichloro-p-xylene
- C₈H₈F₃NO₂S
 N-Benzyltrifluoromethanesulfonamide
- C₈H₈HgO₂
 Phenylmercury acetate
- C₈H₈N₂
 2-Methylbenzimidazole
- C₈H₈N₂O
 3,4-Dihydro-2(1H)-pyrido[1.2-a]pyrimidinone
- C₈H₈N₂O₃
 Nicotinylglycine
- C₈H₈N₂O₄
 2,4-Dinitro-m-xylene
- C₈H₈N₂O₄S
 NPS-glycine Dicyclohexylamine salt
- C₈H₈N₆O₆
 Murexide
- C₈H₈O
 Acetophenone
 Phenylacetaldehyde
 Styrene oxide
 o-Toluyaldehyde
 m-Toluyaldehyde
 p-Toluyaldehyde
- C₈H₈OS
 Phenyl vinyl sulfoxide
- C₈H₈O₂
 Anisaldehyde
 Benzyl formate
 1,2-Ethylendioxybenzene
 2-Hydroxyacetophenone
 3-Hydroxyacetophenone
 4-Hydroxyacetophenone
 2-Methoxybenzaldehyde
 3-Methoxybenzaldehyde
 Methyl benzoate
 Phenyl acetate
 o-Toluic acid
 m-Toluic acid
 p-Toluic acid
- C₈H₈O₂S
 Phenylmercaptoacetic acid

C ₈ H ₈ O ₃	C ₈ H ₈ Cl	C ₈ H ₁₀ BrN
p-Anisic acid	(2-Bromoethyl)-benzene	4-Bromo-N,N-dimethylaniline
o-Cresotinic acid	2-Chloro-p-xylene	
m-Cresotinic acid	4-Chloro-o-xylene	C ₈ H ₁₀ CIN
2,4-Dihydroxyacetophenone	α-Chloro-o-xylene	2-(4'-Chlorophenyl)-ethylamine
2,5-Dihydroxyacetophenone	α-Chloro-m-xylene	
2,6-Dihydroxyacetophenone		C ₈ H ₁₀ CINO ₂
2-Hydroxyphenylacetic acid	C ₈ H ₉ ClO	5-Chloro-2,4-dimethoxyaniline
3-Hydroxyphenylacetic acid	Benzyl chloromethyl ether	
4-Hydroxyphenylacetic acid	4-Chloro-3,5-dimethylphenol	C ₈ H ₁₀ NO ₆ P
Isovanillin		Pyridoxal-5'-phosphoric acid
D(-)-Mandelic acid	C ₈ H ₉ CIS	
L(+)-Mandelic acid	2-Chloroethyl phenylsulfide	C ₈ H ₁₀ N ₂ O
DL-Mandelic acid		4-Aminoacetanilide
2-Methoxybenzoic acid	C ₈ H ₉ N	
3-Methoxybenzoic acid	Indoline	C ₈ H ₁₀ N ₂ O ₃ S
Methyl 3-hydroxybenzoate	2-Methyl-5-vinylpyridine	N-Nitroso-N-methyl-p-toluene sulfonamide
Methyl 4-hydroxybenzoate		
Methyl salicylate	C ₈ H ₉ NO	C ₈ H ₁₀ N ₂ S
Phenoxyacetic acid	Acetanilide	S-Benzylisothiourea hydrochloride
Piperonyl alcohol	2-Aminoacetophenone	
cis-1,2,3,6-Tetrahydrophthalic anhydride	3-Aminoacetophenone	C ₈ H ₁₀ N ₄ O ₂
Vanillin	4-Aminoacetophenone	Caffeine
o-Vanillin	Ethyl nicotinate	1,3,9-Trimethylxanthine
	N-Methylformanilide	
	Phenacylamine hydrochloride	C ₈ H ₁₀ N ₄ O ₃
C ₈ H ₈ O ₃ S	C ₈ H ₉ NOS	1,3,7-Trimethyluric acid
4-Vinylbenzenesulfonic acid Potassium salt	4-Acetamidothiophenol	1,3,9-Trimethyluric acid
		3,7,9-Trimethyluric acid
C ₈ H ₈ O ₄	C ₈ H ₉ NO ₂	C ₈ H ₁₀ O
Dehydroacetic acid	2-Acetamidophenol	Bicyclo[2.2.1]-hept-5-ene-2-carboxaldehyde
Dehydroacetic acid Sodium salt	3-Acetamidophenol	2,3-Dimethylphenol
3,4-Dihydroxy-5-methoxybenzaldehyde	4-Acetamidophenol	2,4-Dimethylphenol
3,4-Dihydroxyphenylacetic acid	4-Aminophenylacetic acid	2,5-Dimethylphenol
Homogentisic acid	2,4-Dimethylnitrobenzene	2,6-Dimethylphenol
3-Hydroxymandelic acid	2,6-Dimethylnitrobenzene	3,4-Dimethylphenol
4-Hydroxymandelic acid	3,4-Dimethylnitrobenzene	3,5-Dimethylphenol
2-Hydroxy-3-methoxybenzoic acid	3,5-Dimethylnitrobenzene	2-Ethylphenol
Isodehydracetic acid	Ethyl isonicotinate	3-Ethylphenol
2,4,6-Trihydroxyacetophenone	2-Ethylnitrobenzene	4-Ethylphenol
Vanillic acid	4-Ethylnitrobenzene	3-Methylanisole
	Ethyl 2-picolinate	4-Methylanisole
C ₈ H ₈ O ₅	Methyl 4-aminobenzoate	2-Methylbenzyl alcohol
Methyl gallate	4-Methylaminobenzoic acid	Phenetole
	Methyl anthranilate	(±)-1-Phenylethanol
C ₈ H ₈ O ₅ S ₂	N-Phenylglycine	Phenylethyl alcohol
S-Benzylloxycarbonylthiosulfonic acid Sodium salt	D(-)-α-Phenylglycine	
	DL-α-Phenylglycine	C ₈ H ₁₀ O ₂
C ₈ H ₈ O ₇	Piperonylamine	1,3-Dimethoxybenzene
(+)-Diacetyl-L-tartaric acid anhydride	cis-1,2,3,6-Tetrahydrophthalimide	Hydroquinone dimethyl ether
		2-Methoxybenzyl alcohol
C ₈ H ₈ O ₈	C ₈ H ₉ NO ₃	3-Methoxybenzyl alcohol
Tetrahydrofuran-2,3,4,5-tetracarboxylic acid	N-(4-Hydroxyphenyl)glycine	4-Methoxybenzyl alcohol
	4-Nitrophenetole	2-Phenoxyethanol
	Pyridoxal hydrochloride	Pyrocatechol monoethyl ether
C ₈ H ₈ S		Veratrole
Phenyl vinyl sulfide	C ₈ H ₉ N ₃ O	
	Benzal semicarbazone	C ₈ H ₁₀ O ₂ S
C ₈ H ₈ Br		Ethyl thiophene-3-acetate
(2-Bromoethyl)-benzene	C ₈ H ₉ N ₃ O ₂	
1-Bromo-4-ethylbenzene	4-Guanidinobenzoic acid hydrochloride	C ₈ H ₁₀ O ₂ S ₂
4-Bromo-o-xylene		S-Methyl 4-toluenethiosulfonate
4-Bromo-m-xylene	C ₈ H ₉ N ₃ O ₇	
α-Bromo-o-xylene	Uramil-N,N-diacetic acid	C ₈ H ₁₀ O ₃
α-Bromo-p-xylene		Crotonic anhydride
	C ₈ H ₉ N ₃ S	2,3-Dimethoxyphenol
C ₈ H ₈ BrO	3-Methyl-2-benzothiazolinone hydrazone hydrochloride	2,6-Dimethoxyphenol
β-Bromophenetole		3,5-Dimethoxyphenol
	C ₈ H ₁₀	cis-Hexahydrophthalic anhydride
C ₈ H ₈ BrO ₂	Ethylbenzene	2-Hydroxy-3-methoxybenzyl alcohol
4-Bromveratrole	o-Xylene	3-Hydroxy-4-methoxybenzyl alcohol
	m-Xylene	4-Hydroxy-3-methoxybenzyl alcohol
C ₈ H ₈ BrS	p-Xylene	
Benzylbromomethylsulfide	Xylene mixed isomers	

- C₈H₁₀O₃S
Methyl 4-toluenesulfonate
Xylenesulfonic acid Sodium salt mixed isomers
- C₈H₁₀O₄
trans,trans-1,4-Diacetoxy-1,3-butadiene
Diethyl acetylenedicarboxylate
Cycl.-Isopropylidene cyclopropane-1,1-dicarboxylate
- C₈H₁₀O₆S
MOPEG-sulfate
- C₈H₁₀S
2-Phenylethanethiol
- C₈H₁₁ClSi
Phenyldimethylchlorosilane
- C₈H₁₁Cl₃O₆
α-Chloralose
- C₈H₁₁N
N-Benzylmethylamine
sym.-Collidine
2,3,6-Collidine
N,N-Dimethylaniline
2,3-Dimethylaniline
2,4-Dimethylaniline
2,5-Dimethylaniline
2,6-Dimethylaniline
3,4-Dimethylaniline
3,5-Dimethylaniline
N-Ethylaniline
2-Ethylaniline
3-Ethylaniline
4-Ethylaniline
3-Ethyl-4-methyl-pyridine
5-Ethyl-2-methyl-pyridine
4-Methylbenzylamine
L(-)-α-Methylbenzylamine
D(+)-α-Methylbenzylamine
DL(±)-α-Methylbenzylamine
Phenethylamine
2-Phenylethylamine hydrochloride
- C₈H₁₁NO
6-Amino-2,4-dimethylphenol
3-Dimethylaminophenol
N-(2-Hydroxyethyl)-aniline
2-(2-Hydroxyethyl)-6-methylpyridine
2-Methoxybenzylamine
3-Methoxybenzylamine
4-Methoxybenzylamine
4-Methyl-o-anisidine
o-Phenetidine
m-Phenetidine
p-Phenetidine
Tyramine
Tyramine hydrochloride
- C₈H₁₁NO₂
4-Deoxypyridoxine hydrochloride
2,5-Dimethoxyaniline
3,4-Dimethoxyaniline
3,5-Dimethoxyaniline
3-Hydroxytyramine hydrochloride
Methyl N-methylantranilate
DL-Octopamine hydrochloride
Vanillylamine hydrochloride
- C₈H₁₁NO₃
Ethyl 2-cyano-3-ethoxyacrylate
6-Hydroxydopamide hydrochloride
L-Noradrenaline
DL-Noradrenaline
L-Noradrenaline hydrochloride
DL-Noradrenaline hydrochloride
L-Noradrenaline-L-hydrogentartrate
Vitamin B6
- C₈H₁₁N₃
3,3-Dimethyl-1-phenyltriazene
3-Methyl-1-(4-tolyl)-triazene
- C₈H₁₁N₅
1-Phenylbiguanide
1-Phenylbiguanide hydrochloride
- C₈H₁₁P
Dimethylphenylphosphine
- C₈H₁₂
1,3-Cyclooctadiene
cis,cis-1,5-Cyclooctadiene
4-Vinyl-1-cyclohexene
- C₈H₁₂N₂
4-Amino-N,N-dimethylaniline
4-Amino-N,N-dimethylaniline dihydrochloride
4-Amino-N,N-dimethylaniline sulfate
α,α'-Diamino-m-xylene
4,5-Dimethyl-o-phenylenediamine
N-Phenylethylenediamine
Suberonitrile
2,3,5,6-Tetramethylpyrazine
- C₈H₁₂N₂O₂
Hexamethylene diisocyanate
Pyridoxamine dihydrochloride
- C₈H₁₂N₂O₃
5,5-Diethylbarbituric acid
5,5-Diethylbarbituric acid Sodium salt
- C₈H₁₂N₂O₃S
6-Aminopenicillanic acid
- C₈H₁₂N₂O₄
(1,2-Dihydroxyethylene)bis-acrylamide
- C₈H₁₂N₂O₄S
1-Methylpyridinium-2-carboxaldoxime methylsulfonate
- C₈H₁₂N₄
α,α'-Azo-isobutyronitrile
- C₈H₁₂N₄O₃
Glycyl-L-histidine hydrochloride
- C₈H₁₂N₄O₅
5-Azacytidine
- C₈H₁₂O
1-Ethynyl-1-cyclohexanol
2-Hydroxymethyl-bicyclo[2.2.1]hept-5-ene
2-Methyl-1,2,3,6-tetrahydro-benzaldehyde (cis + trans)
- C₈H₁₂O₂
2-Acetylcyclohexanone
5,5-Dimethyl-1,3-cyclohexanedione
2-Ethoxy-2-cyclohexenone
3-Ethoxy-2-cyclohexenone
Methyl cis,trans-2,5-heptadienoate
4-Vinylcyclohexene dioxide
- C₈H₁₂O₃
Ethyl cyclopentanone-2-carboxylate
- C₈H₁₂O₄
trans-Cyclohexane-1,4-dicarboxylic acid
trans-1,1-Diacetoxy-2-butene
Diethyl fumarate
Diethyl maleate
- C₈H₁₂O₅
Dimethyl acetylsuccinate
Dimethyl 3-oxoadipate
Sodium diethyl oxalacetate
- C₈H₁₂O₆
1,1,2-Triacetoxyethane
- C₈H₁₂O₆Pb
Lead tetraacetate
- C₈H₁₂Si
Dimethyl phenyl silane
- C₈H₁₃ClO
3-Cyclopentylpropionyl chloride
- C₈H₁₃N
1-Ethynylcyclohexylamine
- C₈H₁₃NO₂
N-Acetylcaprolactam
Arecoline hydrobromide
- C₈H₁₃NO₂S
L-Ethionine
DL-Ethionine
- C₈H₁₃NO₃
3-Ethoxycarbonyl-4-piperidone hydrochloride
- C₈H₁₃NO₅
Diethyl formamidomalonate
- (C₈H₁₃NO₅)_n
Chitin
- C₈H₁₃N₄
1,3,7,9-Tetramethyl xanthinium methosulfate
- C₈H₁₄
Cyclooctene
2,5-Dimethyl-1,5-hexadiene
2,5-Dimethyl-2,4-hexadiene
1,4-Octadiene (cis + trans)
1,7-Octadiene
1-Octyne
Vinylcyclohexane
- C₈H₁₄BrNOS
3-Ethyl-5-(2-hydroxyethyl)-4-methyl-thiazolium bromide
- C₈H₁₄ClNO₅
Woodwards Reagent L
- C₈H₁₄N₂O₃
L-Alanyl-L-proline
- C₈H₁₄N₂O₄
Diisopropyl azodicarboxylate
- C₈H₁₄N₄O₅
Tetraglycine
- C₈H₁₄O
Acetylcyclohexane
Cyclooctanone
2,6-Dimethylcyclohexanone
6-Methyl-5-hepten-2-one

C₈H₁₄O₂**C₈H₁₄O₂**

Butyl methacrylate
Cyclohexanecetic acid
Cyclohexanone ethylene ketale
Cyclohexyl acetate
2,5-Dimethyl-3-hexyne-2,5-diol
Isobutyl methacrylate
6-Methyl-2,4-heptanedione

C₈H₁₄O₂S₂

DL-6,8-Thioctic acid

C₈H₁₄O₃

tert-Butyl acetoacetate
Butyric anhydride
2-Ethoxyethyl methacrylate
Ethyl butyrylacetate
Ethyl 2-ethylacetoacetate
Ethyl isobutyrylacetate
Ethyl 5-oxohexanoate
Isobutyric anhydride
2-Oxooctanoic acid

C₈H₁₄O₄

1,4-Bis(2-hydroxyethoxy)-2-butyne
tert-Butyl methyl malonate
Diethyl methylmalonate
Diethyl succinate
Dimethyl adipate
Suberic acid

C₈H₁₄O₄S₂

4,4'-Dithiodibutyric acid

C₈H₁₄O₅

Diethyl 3,3'-oxydipropionate

C₈H₁₄O₆

Diethyl L(+)-tartrate

C₈H₁₆B

9-Borabicyclo[3.3.1]-nonane

C₈H₁₆BrO₂

2-Bromooctanoic acid

C₈H₁₆ClO

Capryloyl chloride

C₈H₁₆N

Caprylonitrile

C₈H₁₆NO

Caprylactame
5,6-Dihydro-2,4,4,6-tetramethyl-4H-1,3-oxazine
5,6-Dihydro-4,4,6-trimethyl-2-vinyl-4H-1,3-oxazine
Tropine

C₈H₁₆NOS₂

DL-6,8-Thioctic acid amide

C₈H₁₆NO₂

N,N-Diethylacetoacetamide
2-Dimethylaminoethyl methacrylate
Ethyl isonipecotate
Ethyl nipecotate
Ethyl pipecolate

C₈H₁₆NO₃

N-Acetyl-L-leucine

C₈H₁₆NO₄

BOC-L-alanine
BOC-β-alanine

C₈H₁₆NO₅

BOC-L-serine

C₈H₁₆NO₆

N-Acetyl-D-galactosamine
N-Acetyl-D-glucosamine

C₈H₁₆

Cyclooctane
Diisobutylene
1,1-Dimethylcyclohexane
cis-1,2-Dimethylcyclohexane
trans-1,2-Dimethylcyclohexane
1,2-Dimethylcyclohexane (cis + trans)
1,3-Dimethylcyclohexane (cis + trans)
trans-1,4-Dimethylcyclohexane
1,4-Dimethylcyclohexane (cis + trans)
cis-2,2-Dimethyl-3-hexene
trans-2,3-Dimethyl-3-hexene
2,3-Dimethyl-1-hexene
2,5-Dimethyl-2-hexene
cis-2,5-Dimethyl-3-hexene
trans-2,5-Dimethyl-3-hexene
2-Methyl-1-heptene
2-Methyl-2-heptene
trans-2-Methyl-3-heptene
1-Octene
trans-2-Octene
trans-3-Octene
trans-4-Octene
Propylcyclopentane
2,4,4-Trimethyl-1-pentene
2,4,4-Trimethyl-2-pentene

C₈H₁₆Br₂

1,8-Dibromooctane

C₈H₁₆ClN

2-Hexamethyleniminoethyl chloride
hydrochloride
3-(N-Piperidino)-propyl chloride
hydrochloride

C₈H₁₆ClNO₂S

L-Penicillamine Acetone adduct
hydrochloride
D-Penicillamine Acetone adduct
hydrochloride
DL-Penicillamine Acetone adduct
hydrochloride

C₈H₁₆I₂

1,8-Diiodooctane

C₈H₁₆N₂O₂

Dimethyl adipimidate dihydrochloride
N-Ethylamino-2-methyl-N-nitroso-4-pentanone

C₈H₁₆N₂O₃

Glycyl-L-isoleucine
Glycyl-L-leucine
Glycyl-DL-leucine
L-Leucyl-glycine

C₈H₁₆N₂O₃S

L-Alanyl-L-methionin

C₈H₁₆N₂O₄S₂

L-Cystine dimethyl ester dihydrochloride
L-Homocystine
DL-Homocystine

C₈H₁₆O

Caprylic anhydride
2-Cyclohexylethanol
2,3-Dimethylcyclohexanol
2,4-Dimethylcyclohexanol
2,5-Dimethylcyclohexanol
2,6-Dimethylcyclohexanol
3,4-Dimethylcyclohexanol
3,5-Dimethylcyclohexanol
2-Ethylcapronaldehyde
Hydroxymethylcycloheptane
3-Methyl-2-heptanone
5-Methyl-3-heptanone
2-Octanone
3-Octanone
1-Octen-3-ol

C₈H₁₆O₂

1,4-Bis(hydroxymethyl)cyclohexane
(cis + trans)
Butyl butyrate
Butyl isobutyrate
Caprylic acid
Ethyl caproate
2-Ethylcaproic acid
Ethyl isocaproate
Hexyl acetate
Isobutyl isobutyrate
Isopentyl propionate
Methyl heptanoate
Propyl isovalerate
Sodium caprylate

C₈H₁₆O₂S₂

Glyoxylic acid ethyl ester diethyl mercaptal

C₈H₁₆O₃

1-Acetoxy-2-butyloxyethane
2,5-Diethoxytetrahydrofuran
(cis + trans)
Ethyl 2-hydroxycaproate
Ethyl α-hydroxyisocaproate
2-Hydroxyoctanoic acid

C₈H₁₆O₄

12-Crown-4
Diethylene glycol monoethyl ether
acetate
Ethyl diethoxyacetate

C₈H₁₇Br

1-Bromooctane

C₈H₁₇Cl

1-Chlorooctane

C₈H₁₇I

1-Iodooctane

C₈H₁₇N

Aminomethylcycloheptane
1-Butylpyrrolidine
(±)-Coniine
Cyclooctylamine
N,N-Dimethylcyclohexylamine
N-Ethylcyclohexylamine

C₈H₁₇NO

Caprylamide

C₈H₁₇NO₂

8-Aminocaprylic acid
2-Aminooctanoic acid
N,N-Diethylglycine ethyl ester
1-(2,3-Dihydroxypropyl)piperidine
L-Leucine ethyl ester hydrochloride

- C₈H₁₇NO₃S
2-(Cyclohexylamino)ethanesulfonic acid
- C₈H₁₇N₃
N-(3-Dimethylaminopropyl)-N'-ethyl-carbodiimide hydrochloride
- C₈H₁₇N₃O₂
Glycyl-L-leucinamide hydrochloride
- C₈H₁₇O₆P
Triethyl phosphonoacetate
- C₈H₁₈
2,2-Dimethylhexane
2,4-Dimethylhexane
2,5-Dimethylhexane
Isooctane
2-Methylheptane
3-Methylheptane
4-Methylheptane
Octane
2,3,4-Trimethylpentane
- C₈H₁₈ClN
2-Diisopropylaminoethyl chloride hydrochloride
- C₈H₁₈Cl₂Sn
Dibutyltin dichloride
Diisobutyltin dichloride
- C₈H₁₈F₃NOSi₂
N,O-Bis-(trimethylsilyl)-trifluoroacetamide
- C₈H₁₉INO₂
Propionylcholine iodide
- C₈H₁₉N₂O
O-Methyl-N,N'-diisopropyl isourea
- C₈H₁₉N₂O₂
L-Lysine ethyl ester dihydrochloride
- C₈H₁₉N₂O₄S
4-(2-Hydroxyethyl)piperazine-1-ethane-2-sulfonic acid
- C₈H₁₉N₂O₆S₂
Piperazine-1,4-bis(2-ethanesulfonic acid)
Piperazine-1,4-bis(2-ethanesulfonic acid) Sodium salt
- C₈H₁₈O
Dibutyl ether
Di-sec-butyl ether
2-Ethyl-1-hexanol
Isobutyl ether
2-Methyl-3-heptanol
5-Methyl-3-heptanol
6-Methyl-2-heptanol
1-Octanol
2-Octanol
S(+)-2-Octanol
R(-)-2-Octanol
3-Octanol
4-Octanol
2,2,4-Trimethyl-3-pentanol
- C₈H₁₈O₂
1-tert-Butoxy-2-ethoxyethane
tert-Butyl peroxide
2,2-Dimethyl-1,3-hexanediol
2,5-Dimethyl-2,5-hexanediol
2-Ethyl-1,3-hexanediol
1,8-Octanediol
2,2,4-Trimethyl-1,3-pentanediol
- C₈H₁₈O₂S
Butyl sulfone
- C₈H₁₈O₃
Diethylene glycol diethyl ether
Diethylene glycol monobutyl ether
Triethyl orthoacetate
Trimethyl orthovalerate
- C₈H₁₈O₃S
1-Octanesulfonic acid Sodium salt
- C₈H₁₈O₃Si
Vinyltriethoxysilane
- C₈H₁₈O₄
Triethylene glycol dimethyl ether
- C₈H₁₈O₅
Tetraethylene glycol
- C₈H₁₈O₆
2-Butanone peroxide
- C₈H₁₈S
Butyl sulfide
tert-Butyl sulfide
1-Octanethiol
- C₈H₁₈S₂
tert-Butyl disulfide
- C₈H₁₈Si₂
Bis(trimethylsilyl)acetylene
- C₈H₁₉Al
Diisobutylaluminum hydride
- C₈H₁₉N
2-Amino-6-methylheptane
2-Aminooctane
Dibutylamine
Diisobutylamine
N,N-Dimethylhexylamine
N-Ethyl-diisopropylamine
2-Ethyl-1-hexylamine
N-Heptylmethylamine
Octylamine
tert-Octylamine
- C₈H₁₉NO
6-Amino-2-methyl-2-heptanol-hydrochloride
2-Diisopropylamino ethanol
- C₈H₁₉NO₂
N-Butyldiethanolamine
2-(2-Diethylaminoethoxy)-ethanol
- C₈H₁₉NO₅
Bis(2-hydroxyethyl)imino-tris(hydroxymethyl)methane
- C₈H₁₉O₃P
Dibutyl phosphite
- C₈H₁₉O₄P
Dibutyl phosphate
- C₈H₂₀BF₄N
Tetraethylammonium tetrafluoroborate
- C₈H₂₀BrN
Diethylmethylpropylammonium bromide
Tetraethylammonium bromide
- C₈H₂₀ClN
Tetraethylammonium chloride
- C₈H₂₀ClNO₄
Tetraethylammonium perchlorate
- C₈H₂₀FN
Tetraethylammonium fluoride
- C₈H₂₀F₆NP
Tetraethylammonium hexafluorophosphate
- C₈H₂₀IN
Tetraethylammonium iodide
- C₈H₂₀INO₄
Tetraethylammonium (meta)periodate
- C₈H₂₀N₂
1,8-Diaminooctane
2-Diisopropylaminoethylamine
N,N'-Dimethyl-1,6-hexanediamine
N,N,N',N'-Tetramethyl-1,3-butanediamine
N,N,N',N'-Tetramethyl-1,4-butanediamine
- C₈H₂₀N₂O
2-(2-Diethylaminoethylamino)-ethanol
- C₈H₂₀N₂O₃
Tetraethylammonium nitrate
- C₈H₂₀O₃Si
Ethyltriethoxysilane
- C₈H₂₀O₄Si
Tetraethoxysilane
- C₈H₂₀O₄Ti
Tetraethyl orthotitanate
- C₈H₂₀Si
Tetraethylsilane
- C₈H₂₁NO
Tetraethylammonium hydroxide
- C₈H₂₁NOSi₂
N,O-Bis(trimethylsilyl)acetamide
- C₈H₂₁NO₄S
Tetraethylammonium hydrogensulfate
- C₈H₂₁NO₆
Glycerol phosphorylcholine
Cadmiumchloride Complex
- C₈H₂₂HgSi₂
Bis(trimethylsilylmethyl) mercury
- C₈H₂₂N₄
1,2-Bis(3-aminopropylamino)ethane
- C₈H₂₂S₂Si₂
1,2-Ethanedithiobis(trimethylsilane)
- C₈H₂₃N₅
Tetraethylenepentamine
- C₈H₂₄BN
Tetraethylammonium borohydride
- C₈H₂₄N₂O₄S
Tetramethylammonium sulfate

C ₈ H ₂₄ O ₄ Si ₄ Octamethylcyclotetrasiloxane	C ₉ H ₇ ClO ₃ o-Acetylsalicyloyl chloride	C ₉ H ₈ O ₄ o-Acetylsalicylic acid Caffeic acid Homophthalic acid 4-Hydroxyphenylpyruvic acid 3,4-Methylenedioxyphenylacetic acid Phenylmalonic acid
C ₉ Fe ₂ O ₉ di-Iron nonacarbonyl	C ₉ H ₇ F ₃ O 2-Trifluoromethylacetophenone 3-Trifluoromethylacetophenone 4-Trifluoromethylacetophenone	C ₉ H ₈ O ₅ 3,4-Methylenedioxymandelic acid
C ₉ H ₂ Cl ₆ O ₃ Chlorendic anhydride	C ₉ H ₇ F ₃ O ₂ 3-Trifluoromethylphenylacetic acid	C ₉ H ₉ BClF ₄ NO 3-Ethyl-2-chlorobenzoxazolium tetrafluoroborate
C ₉ H ₄ O ₃ Ninhydrin	C ₉ H ₇ N Chinoline Cinnamionitrile Isochinoline	C ₉ H ₉ Br 3-Bromo-1-phenyl-1-propene
C ₉ H ₄ O ₅ Trimelitic anhydride	C ₉ H ₇ NO 2-Quinolinol 4-Quinolinol 8-Quinolinol Indole-3-carboxaldehyde	C ₉ H ₉ BrO α-Bromopropiophenone
C ₉ H ₅ Br ₂ NO 5,7-Dibromo-8-hydroxyquinoline	(C ₉ H ₇ NO) ₂ 8-Quinolinol sulfate	C ₉ H ₉ BrO ₂ Benzyl bromoacetate 4-Methoxyphenacyl bromide
C ₉ H ₅ ClINO 5-Chloro-8-hydroxy-7-iodoquinoline	C ₉ H ₇ NO ₂ Indole-2-carboxylic acid	C ₉ H ₉ Cl 4-Chloro-α-methylstyrene Vinylbenzyl chloride mixture of Isomers
C ₉ H ₅ Cl ₂ N 4,7-Dichloroquinoline	C ₉ H ₇ NO ₃ N-Hydroxymethylphthalimide	C ₉ H ₉ ClO β-Chloropropiophenone
C ₉ H ₅ Cl ₂ NO 5,7-Dichloro-8-hydroxyquinoline	C ₉ H ₇ NO ₄ trans-2-Nitrocinnamaldehyde 2-Nitrocinnamic acid 3-Nitrocinnamic acid trans-4-Nitrocinnamic acid	C ₉ H ₉ ClO ₃ 4-Chloro-2-methylphenoxyacetic acid
C ₉ H ₆ BrN 5-Bromoindole-3-carboxaldehyde 3-Bromoquinoline	C ₉ H ₇ NS Thiooxine hydrochloride	C ₉ H ₉ FO ₂ Ethyl 4-fluorobenzoate
C ₉ H ₆ CIN 2-Chloroquinoline	C ₉ H ₇ N ₃ (2-Benzimidazolyl)-acetonitrile	C ₉ H ₉ HgNaO ₂ S Sodium ethylmercurithiosalicylate
C ₉ H ₆ CINO 5-Chloro-8-hydroxyquinoline 5-Chloro-8-hydroxyquinoline hydrochloride	C ₉ H ₇ N ₃ O ₂ S 4-(2-Thiazolylazo)-resorcinol	C ₉ H ₉ IO ₂ Benzyl iodoacetate
C ₉ H ₆ CINO ₂ N-Chloromethylphthalimide	C ₉ H ₇ N ₅ O ₅ Erythropterin	C ₉ H ₉ I ₂ NO ₃ 3,5-Diiodo-L-tyrosine
C ₉ H ₆ INO ₄ S 8-Hydroxy-7-iodoquinoline-5-sulfonic acid	C ₉ H ₈ Indene	C ₉ H ₉ N 2,3-Dimethylbenzonitrile 2,4-Dimethylbenzonitrile 2,5-Dimethylbenzonitrile 2,6-Dimethylphenylisocyanide N-Methylindole 2-Methylindole (α) 3-Methylindole p-Tolylacetonitrile
C ₉ H ₆ N ₂ O ₂ Toluene-2,4-diisocyanate	C ₉ H ₈ N ₂ 3-Aminoquinoline 8-Aminoquinoline 2-Methylquinoxaline	C ₉ H ₉ NO 2,5-Dimethylbenzoxazole 5-Methoxyindole 2-Methoxyphenylacetonitrile 4-Methoxyphenylacetonitrile S(-)-1-Phenylethylisocyanate R(+)-1-Phenylethylisocyanate
C ₉ H ₆ N ₂ O ₃ 4-Nitroquinoline 1-oxide	C ₉ H ₈ O 1-Indanone 2-Indanone Cinnamaldehyde 1-Phenyl-2-propyn-1-ol	C ₉ H ₉ NO ₂ 4-Acetaminobenzaldehyde 2,6-Dimethoxybenzonitrile
C ₉ H ₆ O ₂ Chromone Coumarin 1,3-Indanedione Phenylpropionic acid	C ₉ H ₈ O ₂ Cinnamic acid	C ₉ H ₉ NO ₂ S Toluene-4-sulfonylmethyl isocyanide
C ₉ H ₆ O ₃ 4-Hydroxycoumarin Umbelliferone	C ₉ H ₈ O ₂ S ₂ S-(Thiobenzoyl)thioglycolic acid	C ₉ H ₉ NO ₃ 3-Acetamidobenzoic acid 4-Acetamidobenzoic acid N-Acetylanthranilic acid Hippuric acid N-Hydroxy-5-norbornene-2,3-dicarboxylic acid imide
C ₉ H ₆ O ₄ Esculetin	C ₉ H ₈ O ₃ 2-Acetylbenzoic acid Bicyclo[2.2.1]-5-heptene-2,3-dicarboxylic anhydride o-Cumaric acid m-Cumaric acid p-Cumaric acid Methyl phenylglyoxalate Phenylpyruvic acid Phenylpyruvic acid Sodium salt	
C ₉ H ₆ O ₅ Benzene-1,2,3-tricarboxylic acid Trimesic acid		
C ₉ H ₇ ClF ₃ NO ₃ S ₂ 2-Chloro-3-methylbenzothiazolium trifluoromethanesulfonate		
C ₉ H ₇ ClO Cinnamoyl chloride		
C ₉ H ₇ ClO ₂ 2-Chlorocinnamic acid 3-Chlorocinnamic acid 4-Chlorocinnamic acid		

- C₉H₈NO₄
Ethyl 2-nitrobenzoate
Ethyl 4-nitrobenzoate
- C₉H₈NO₇
5-Nitro-2-furfuraldiacetyl acetal
- C₉H₈NS
β-Phenylethyl isothiocyanate
- C₉H₈N₃O
3-Amino-1-phenyl-5-pyrazolone
- C₉H₁₀
Allylbenzene
Indane
5-Indazol
α-Methylstyrene monomer
2-Methylstyrene
3-Methylstyrene
4-Methylstyrene
trans-1-Phenyl-1-propene
Vinyltoluene mixture of Isomers
- C₉H₁₀BF₄NO₂
2-Ethyl-7-hydroxy-1,2-benzisoxazolium
tetrafluoroborate
- C₉H₁₀FNO₂
2-Fluoro-DL-phenylalanine
3-Fluoro-DL-phenylalanine
4-Fluoro-DL-phenylalanine
- C₉H₁₀F₃NO₂
N-Methylanilinium trifluoroacetate
- C₉H₁₀INO₃
3-Iodo-L-tyrosine
- C₉H₁₀NO
2-Ethyl-1,2-benzisoxazolium
tetrafluoroborate
- C₉H₁₀N₂
4-Dimethylaminobenzonitrile
5,6-Dimethylbenzimidazole
- C₉H₁₀N₂O
1-Phenyl-3-pyrazolidinone
- C₉H₁₀N₂OS
2-Amino-6-ethoxybenzothiazole
- C₉H₁₀N₂O₃
4-Aminohippuric acid
- C₉H₁₀N₂O₅S
NPS-L-serine Dcha-salt
- C₉H₁₀N₄O₄
Theophylline-7-acetic acid
- C₉H₁₀O
2-Allylphenol
Cinnamyl alcohol
2,4-Dimethylbenzaldehyde
2,5-Dimethylbenzaldehyde
Hydratropaldehyde
Hydrocinnamaldehyde
2-Indanol
4-Methoxystyrene
2-Methylacetophenone
3-Methylacetophenone
4-Methylacetophenone
Phenylacetone
Propiophenone
p-Tolylacetaldehyde
- C₉H₁₀OS
Allyl phenylsulfoxide
- C₉H₁₀O₂
Benzyl acetate
2,3-Dimethylbenzoic acid
2,4-Dimethylbenzoic acid
2,5-Dimethylbenzoic acid
2,6-Dimethylbenzoic acid
3,4-Dimethylbenzoic acid
3,5-Dimethylbenzoic acid
2-Ethoxybenzaldehyde
4-Ethoxybenzaldehyde
Ethyl benzoate
Hydrocinnamic acid
2-Hydroxypropiofenone
4-Hydroxypropiofenone
2-Methoxyacetophenone
3-Methoxyacetophenone
4-Methoxyacetophenone
Methyl phenylacetate
Methyl m-toluate
Methyl p-toluate
Phenyl glycidyl ether
o-Tolylacetic acid
p-Tolylacetic acid
- C₉H₁₀O₂S
Allylphenylsulfone
- C₉H₁₀O₃
Atrolactic acid
2,3-Dimethoxybenzaldehyde
2,4-Dimethoxybenzaldehyde
2,5-Dimethoxybenzaldehyde
3,5-Dimethoxybenzaldehyde
3-Ethoxy-2-hydroxybenzaldehyde
3-Ethoxy-4-hydroxybenzaldehyde
Ethyl 3-hydroxybenzoate
Ethyl 4-hydroxybenzoate
Ethyl salicylate
3-(4-Hydroxyphenyl)propionic acid
α-Methoxyphenylacetic acid
R(-)-α-Methoxyphenylacetic acid
2-Methoxyphenylacetic acid
3-Methoxyphenylacetic acid
4-Methoxyphenylacetic acid
Methyl anisate
Methyl DL-mandelate
3-Phenyllactic acid
L-(-)-3-Phenyllactic acid
Tropic acid
Veratraldehyde
- C₉H₁₀O₃S
Methy-2-phenylsulfinylacetate
- C₉H₁₀O₄
2,3-Dimethoxybenzoic acid
2,4-Dimethoxybenzoic acid
2,6-Dimethoxybenzoic acid
3,5-Dimethoxybenzoic acid
Ethylene glycol monosalicylate
Homovanillic acid
Hydrocaffeic acid
2-Methoxymandelic acid
3-Methoxymandelic acid
Syringaldehyde
Veratric acid
- C₉H₁₀O₆
Ethyl gallate
3-Hydroxy-4-methoxymandelic acid
4-Hydroxy-3-methoxymandelic acid
Syringic acid
- C₉H₁₀S
Allyl phenylsulfide
- C₉H₁₁Br
Bromomesitylene
1-Bromo-3-phenylpropane
- C₉H₁₁BrN₂O₅
5-Bromo-2'-deoxyuridine
- C₉H₁₁BrN₂O₆
5-Bromouridine
- C₉H₁₁BrO
3-Phenoxypropyl bromide
- C₉H₁₁ClO₂S
Mesitylenesulfonyl chloride
- C₉H₁₁FN₂O₅
5-Fluoro-2'-deoxyuridine
- C₉H₁₁IN₂O₅
5-Iodo-2'-deoxyuridine
- C₉H₁₁IN₂O₆
5-Iodouridine
- C₉H₁₁N
5-Aminoindane
1,2,3,4-Tetrahydroisoquinoline
1,2,3,4-Tetrahydroquinoline
5,6,7,8-Tetrahydroquinoline
- C₉H₁₁NO
4-Dimethylaminobenzaldehyde
3-Phenylserine
- C₉H₁₁NO₂
3-Dimethylaminobenzoic acid
Ethyl 4-aminobenzoate
Ethyl anthranilate
Glycine benzyl ester toluene-4-sulfonate
4-Isopropylnitrobenzene
L-Phenylalanine
D-Phenylalanine
DL-Phenylalanine
- C₉H₁₁NO₃
Adrenalone hydrochloride
N-(2-Hydroxyethyl)-salicylic acid amide
β-Phenylserine
L-Tyrosine
D-Tyrosine
DL-Tyrosine
DL-m-Tyrosine
- C₉H₁₁NO₄
L-3-(3,4-Dihydroxyphenyl)-alanine
D-3-(3,4-Dihydroxyphenyl)-alanine
DL-3-(3,4-Dihydroxyphenyl)-alanine
- C₉H₁₁N₂O₃
L-Alanyl-L-leucine
- C₉H₁₁N₃O₂
3,3-Dimethyl-1-(2-carboxyphenyl)-
triazene
- C₉H₁₁N₅O₄
L-Monapterin
D(+)-Neopterin
- C₉H₁₂
Cumene
2-Ethyltoluene
3-Ethyltoluene
4-Ethyltoluene
Mesitylene
Propylbenzene
Pseudocumene
1,2,3-Trimethylbenzene

- C₉H₁₂BrNO₃S
Dimethyl-(2-hydroxy-5-nitrobenzyl)-sulfonium bromide
- C₉H₁₂FIN₂O₂
4-Fluoro-3-nitrophenyltrimethylammonium iodide
- C₉H₁₂N₂
(-)-Nor nicotine dipicrate
4-Pyrrolidinopyridine
- C₉H₁₂N₂O₃
4-Methoxybenzyl carbazate
- C₉H₁₂N₂O₅
2'-Deoxyuridine
- C₉H₁₂N₂O₆
Uridine
- C₉H₁₂N₄O₃
1,3,7,9-Tetramethyluric acid
- C₉H₁₂O
2-Isopropylphenol
2-Phenyl-2-propanol
3-Phenyl-1-propanol
1-(p-Tolyl)-ethanol
2,3,5-Trimethylphenol
2,3,6-Trimethylphenol
2,4,6-Trimethylphenol
- C₉H₁₂O₂
Benzaldehyde dimethylacetal
Cumene hydroperoxide
2,3-Dimethoxytoluene
5-Norbornen-2-yl acetate
Trimethylhydroquinone
- C₉H₁₂O₃
2,3-Dimethoxybenzyl alcohol
3,4-Dimethoxybenzyl alcohol
1,2,3-Trimethoxybenzene
1,2,4-Trimethoxybenzene
1,3,5-Trimethoxybenzene
- C₉H₁₂O₃S
Ethyl 4-toluenesulfonate
2-Mesitylenesulfonic acid
- C₉H₁₂O₄
cycl-Isopropylidene isopropylidene-malonate
3,4,5-Trimethoxyphenol
- C₉H₁₂O₆
1,2-Isopropylidene-D-idurone
- C₉H₁₃N
N-Benzyl dimethylamine
4-tert-Butylpyridine
N,N-Dimethyl-m-toluidine
N,N-Dimethyl-p-toluidine
N-Ethylbenzylamine
2-Ethyl-6-methylaniline
N-Ethyl-m-toluidine
2-Isopropylaniline
4-Isopropylaniline
3-Phenylpropylamine
2,4,6-Trimethylaniline
- C₉H₁₃NO
2-Benzylaminoethanol
Dimethylaminomethyl phenol
2-(4-Methoxyphenyl)ethylamine
L-Phenylalaninol
DL-Phenylpropanolamine hydrochloride
- C₉H₁₃NO₂
L-(+)-threo-2-Amino-1-phenyl-2,3-propanediol
L-Tyrosinol hydrochloride
Veratrylamine
- C₉H₁₃NO₃
L-Adrenaline
L-Adrenaline-D-hydrogentartrate
3,4,5-Trimethoxyaniline
- C₉H₁₃NO₃S₂
Dimethyl-N-p-toluenesulfonyl sulfoximide
- C₉H₁₃NO₅
N-tert-Butoxycarbonyloxysuccinimide
- C₉H₁₃N₂O₉P
Uridine 5'-monophosphat Disodium salt
Uridylic acid
Uridylic acid Disodium salt
- C₉H₁₃N₃O₂
L-Tyrosine hydrazide
- C₉H₁₃N₃O₄
2'-Deoxycytidine hydrochloride
- C₉H₁₃N₃O₅
Cytidine
Cytidine sulfate
Cytosine-1-β-D-arabinofuranoside
- C₉H₁₄BrN
Phenyltrimethylammonium bromide
- C₉H₁₄Br₂N
Phenyltrimethylammonium bromide dibromide
- C₉H₁₄ClN
Phenyltrimethylammonium chloride
- C₉H₁₄N₂
Azelonitrile
N-Phenylpiperazine
- C₉H₁₄N₂O₁₂P₂
Uridine 5'-diphosphate Disodium salt
- C₉H₁₄N₃O₇P
2'-Deoxycytidine-5'-monophosphoric acid
- C₉H₁₄N₃O₈P
Cytidine-5'-monophosphoric acid
Cytidylic acid
Cytidylic acid Disodium salt
- C₉H₁₄N₄O₃
L-Alanyl-L-histidine hydrochloride
L-Carnosine
- C₉H₁₄O
Isophorone
Phorone
- C₉H₁₄O₂
2-Norbornaneacetic acid
- C₉H₁₄O₃
Ethyl cyclohexanone-2-carboxylate
- C₉H₁₄O₄
Ethylidene diethylmalonic acid
Diethyl cyclopropane-1,1-dicarboxylate
Diethyl glutaconate
- C₉H₁₄O₅
Diethyl 1,3-acetonedicarboxylate
Diethyl oxalpropionate
1,2-O-Isopropylidene-3-O-methyl-α-D-xylopentodialdofuranose-(1,4)
- C₉H₁₄O₆
Triacetin
- C₉H₁₄O₇
Isopropyl citrate
- C₉H₁₄SSi
Phenylthiotrimethylsilane
- C₉H₁₅NO
5,6-Dihydro-4,4,6-trimethyl-2-vinyl-1,3(4H)-oxazine
1-Morpholinocyclopentene
Phenyltrimethylammonium hydroxide
- C₉H₁₅NO₂
N-(1,1-Dimethyl-3-oxobutyl)-acryamide
Ethyl sec-butylocyanoacetate
- C₉H₁₅NO₃S
N-Formyl-L-penicillamine Acetone Adduct
N-Formyl-DL-penicillamine Acetone Adduct
- C₉H₁₅NO₅
Diethyl acetamidomalonate
- C₉H₁₅N₂O₁₅P₃
Uridine 5'-triphosphate Trisodium salt
- C₉H₁₅N₃O₂S
L-(+)-Ergothioneine
- C₉H₁₅N₃O₁₁P₂
Cytidine 5'-diphosphate Trisodium salt
- C₉H₁₆
Allylcyclohexane
Hydrindan (cis + trans)
- C₉H₁₆N₂
1,5-Diazabicyclo[5.4.0]undec-5-ene
- C₉H₁₆N₂O₅
BOC-L-asparagine
- C₉H₁₆N₃O₁₄P₃
Cytidine 5'-triphosphate Disodium salt
- C₉H₁₆O
Cyclononanone
3,3,5-Trimethylcyclohexanone
- C₉H₁₆O₂
Cyclohexylpropionic acid
2,2-Diisopropyl-1,3-dioxolane
Methyl 2-octynoate
- C₉H₁₆O₃
Ethyl 2-isopropylacetoacetate
Ethyl pivaloylacetate
- C₉H₁₆O₄
Azelaic acid
Diethyl ethylmalonate
Diethyl dimethylmalonate
Dimethyl diethylmalonate
- C₉H₁₆O₅
Diethyl 3-hydroxyglutarate
- C₉H₁₇BrO₂
Ethyl 2-bromoheptanoate

C ₉ H ₁₇ ClO Pelargonoyl chloride	C ₉ H ₁₉ NO 4-Hydroxy-2,2,6,6-tetramethylpiperidine N-(1,1,3,3-Tetramethylbutyl)-formamide	C ₉ H ₂₀ S tert-Nonylmercaptan
C ₉ H ₁₇ N Pelargononitrile 1,1,3,3-Tetramethylbutylisocyanide	C ₉ H ₁₉ NO ₂ L-Valine-tert-butyl ester Dibenzene- sulfimide salt	C ₉ H ₂₁ AlO ₃ Aluminum isopropylate
C ₉ H ₁₇ NO 2-(Dimethylaminomethyl)-1-cyclo- hexanone 2,2,6,6-Tetramethyl-4-piperidone hydrochloride	C ₉ H ₁₉ NO ₃ S 3-Cyclohexylamino-1-propanesulfonic acid	C ₉ H ₂₁ N Nonylamine Tripropylamine
C ₉ H ₁₇ NO ₂ 2-Diethylaminoethyl acrylate N,N-Dimethylformamide diallyl acetal Ethyl 1-methyl-3-pipridinecarboxylate N-Piperidine-propionic acid L-Proline-tert-butylester Dibenzene- sulfimide salt	C ₉ H ₁₉ NO ₄ D-Panthenol	C ₉ H ₂₁ NO ₂ N,N-Dimethylformamide diisopropyl acetal N,N-Dimethylformamide dipropyl acetal
C ₉ H ₁₇ NO ₄ L-Glutamic acid diethyl ester hydrochloride	C ₉ H ₂₀ 2-Methyloctane 3-Methyloctane 4-Methyloctane Nonane 2,2,4-Trimethylhexane 2,3,5-Trimethylhexane	C ₉ H ₂₁ NO ₃ Triisopropanolamine
C ₉ H ₁₇ NO ₅ BOC-L-threonine D-Pantothenic acid	C ₉ H ₂₀ BrNO ₂ Butyrylcholine bromide	C ₉ H ₂₁ O ₅ PSi Trimethylsilyl P,P-diethylphosphono- acetate
C ₉ H ₁₈ trans-2,2-Dimethyl-3-heptene Isopropylcyclohexane 1-Nonene trans-2-Nonene trans-3-Nonene 4-Nonene (cis + trans) 1,1,3-Trimethylcyclohexane 1,2,4-Trimethylcyclohexane (cis + trans) 1,3,5-Trimethylcyclohexane (cis + trans)	C ₉ H ₂₀ ClNO ₂ Butyrylcholine chloride	C ₉ H ₂₂ N ₂ 4-Amino-1-diethylaminopentane 1,9-Diaminononane
C ₉ H ₁₈ Br ₂ 1,9-Dibromononane	C ₉ H ₂₀ F ₃ NO ₃ S Tetraethylammonium trifluoromethane sulfonate	C ₉ H ₂₄ N ₂ O ₉ Tris(hydroxymethyl)aminomethan carbonate
C ₉ H ₁₈ N ₂ N,N'-Di-tert-butyl carbodiimide	C ₉ H ₂₀ INOS S-Butyrylthiocholine iodide	C ₁₀ F ₁₈ Octadecafluorodecahydronaphthalene (cis + trans)
C ₉ H ₁₈ N ₂ O ₂ Dimethyl pimelidate dihydrochloride	C ₉ H ₂₀ INO ₂ Buylcholine iodide	C ₁₀ H ₂ O ₆ Pyromellitic dianhydride
C ₉ H ₁₈ N ₂ O ₃ L-Leucyl-L-alanine	C ₉ H ₂₀ N ₂ N-(3-Aminopropyl)-cyclohexylamine 4-Amino-2,2,6,6-tetramethylpiperidine Tetraethylammonium cyanide	C ₁₀ H ₄ Cl ₂ O ₂ 2,3-Dichloro-1,4-naphthoquinone
C ₉ H ₁₈ N ₄ O ₃ 3,3',3''-Nitrilotripropionamide	C ₉ H ₂₀ N ₂ O Tetraethylammonium cyanate	C ₁₀ H ₅ F ₁₅ O ₂ Ethyl pentadecafluorooctanoate
C ₉ H ₁₈ O 2,6-Dimethyl-4-heptanone 2-Nonanone 3-Nonanone 4-Nonanone 5-Nonanone Pelargonaldehyde 2,2,4,4-Tetramethyl-3-pentanone	C ₉ H ₂₀ N ₂ O ₄ S 4-(2-Hydroxyethyl)piperazine-1- propane-3-sulfonic acid	C ₁₀ H ₆ Cl ₈ Chlordane
C ₉ H ₁₈ O ₂ Butyl 2-methylbutyrate Ethyl heptanoate Methyl caprylate Pelargonic acid	C ₉ H ₂₀ N ₂ S N,N'-Dibutylthiourea N,N'-Di-tert-butylthiourea Tetraethylammonium rhodanide	C ₁₀ H ₆ N ₂ O ₄ 1,5-Dinitronaphthalene 2,7-Dinitronaphthalene
C ₉ H ₁₈ Br 1-Bromononane	C ₉ H ₂₀ O 2,2-Dimethyl-3-heptanol 1-Nonanol 2-Nonanol 3-Nonanol 4-Nonanol 5-Nonanol 3,5,5-Trimethyl-1-hexanol	C ₁₀ H ₆ N ₂ O ₅ 2,4-Dinitro-1-naphthol
C ₉ H ₁₈ N Aminomethylcyclooctane N-Cyclohexylisopropylamine 2,2,6,6-Tetramethylpiperidine	C ₉ H ₂₀ O ₂ 2-Butyl-2-ethyl-1,3-propanediol 1,9-Nonanediol	C ₁₀ H ₆ N ₂ O ₆ S Naphthol yellow S
	C ₉ H ₂₀ O ₂ Si tert-Butyl trimethylsilylacetate	C ₁₀ H ₆ O ₂ 1,2-Naphthoquinone (β) 1,4-Naphthoquinone (α) 1-Phenylcyclobutene-2,3-dione
	C ₉ H ₂₀ O ₃ Diethyleneglycol tert.-butylether- methylether Triethyl orthopropionate	C ₁₀ H ₆ O ₃ 2-Hydroxy-1,4-naphthoquinone Juglone
	C ₉ H ₂₀ O ₄ Tetraethyl orthocarbonate	C ₁₀ H ₆ O ₃ S 1-Naphthol-8-sulfonic acid sultone
		C ₁₀ H ₆ O ₄ Coumarin-3-carboxylic acid 5,8-Dihydroxy-1,4-naphthoquinone
		C ₁₀ H ₆ O ₅ S 3,4-Dihydro-3,4-dioxo-1-naphthalene sulfonic acid Sodium salt
		C ₁₀ H ₆ O ₈ Pyromellitic acid

C ₁₀ H ₇ Br	C ₁₀ H ₈ O ₂	C ₁₀ H ₉ NO
1-Bromonaphthalene	1,2-Dihydroxynaphthalene	3-Acetylindole
2-Bromonaphthalene	1,5-Dihydroxynaphthalene	4-Hydroxyquinaldine
C ₁₀ H ₇ BrO	1,6-Dihydroxynaphthalene	8-Hydroxyquinaldine
6-Bromo-2-naphthol	1,7-Dihydroxynaphthalene	6-Methoxyquinoline
C ₁₀ H ₇ Cl	1,8-Dihydroxynaphthalene	C ₁₀ H ₉ NO ₂
1-Chloronaphthalene	2,3-Dihydroxynaphthalene	4-Hydroxy-1-methyl-2-quinoline
2-Chloronaphthalene	2,6-Dihydroxynaphthalene	3-Indoleacetic acid
C ₁₀ H ₇ ClO ₂ S	2,7-Dihydroxynaphthalene	Indoxyl acetate
Naphthalene-1-sulfonic acid	α-Naphthohydroquinone	C ₁₀ H ₉ NO ₃
Sodium salt	Naphthoresorcinol	7-Amino-4-methylcoumarine
C ₁₀ H ₇ Cl ₂ NO	C ₁₀ H ₈ O ₂ S	N-(2-Hydroxyethyl) phthalimide
5,7-Dichloro-8-hydroxy quinaldine	3-Acetoxythionaphthene	5-Hydroxy-3-indoleacetic acid
C ₁₀ H ₇ Cl ₃ O ₃	C ₁₀ H ₈ O ₃	C ₁₀ H ₉ NO ₃ S
2,4,6-Trichlorophenyl-acetoacetate	4-Methylumbelliferone	1-Naphthylamine-4-sulfonic acid
C ₁₀ H ₇ CrO ₃	C ₁₀ H ₈ O ₃ S	1-Naphthylamine-5-sulfonic acid
Toluene chromium tricarbonyl	Naphthalene-2-sulfonic acid	1-Naphthylamine-7-sulfonic acid
C ₁₀ H ₇ I	Sodium salt	2-Naphthylamine-1-sulfonic acid
1-Iodonaphthalene	C ₁₀ H ₈ O ₄	C ₁₀ H ₉ NO ₄
C ₁₀ H ₇ NO	α-Furoin	Methyl m-nitrocinnamate
Quinoline-4-carboxaldehyde	3,4-Methylenedioxybenzoic acid	C ₁₀ H ₉ NO ₄ S
C ₁₀ H ₇ NO ₂	Scopoletin	6-Amino-4-hydroxy-2-naphthalene-
1-Nitronaphthalene (α)	C ₁₀ H ₈ O ₄ S	sulfonic acid
2-Nitroso-1-naphthol (α-β)	1-Naphthol-2-sulfonic acid Sodium salt	1-Amino-2-naphthol-4-sulfonic acid
N-Phenylmaleimide	1-Naphthol-4-sulfonic acid Sodium salt	6-Amino-1-naphthol-3-sulfonic acid
Quinaldic acid	2-Naphthol-6-sulfonic acid Sodium salt	C ₁₀ H ₉ NO ₇ S ₂
Quinoline-4-carboxylic acid	C ₁₀ H ₈ O ₆ S ₂	8-Amino-1-naphthol-3,6-disulfonic acid
C ₁₀ H ₇ NO ₃	Naphthalene-1,5-disulfonic acid	Monosodium salt
Kynurenic acid	Disodium salt	C ₁₀ H ₉ N ₃
C ₁₀ H ₇ NO ₄	Naphthalene-2,6-disulfonic acid	2,2'-Dipyridylamine
N-Phthaloylglycine	Disodium salt	C ₁₀ H ₉ N ₅ O
Xanthurenic acid	Naphthalene-2,7-disulfonic acid	6-Furfurylamino-purine
C ₁₀ H ₇ NO ₅ S	Disodium salt	C ₁₀ H ₉ O ₄ P
2-Nitroso-1-naphthol-4-sulfonic acid	C ₁₀ H ₈ O ₇ S ₂	1-Naphthylphosphate Monosodium salt
C ₁₀ H ₇ NO ₈ S ₂	1-Naphthol-3,6-disulfonic acid Disodium salt	2-Naphthylphosphate Monosodium salt
Nitroso-R-salt	2-Naphthol-3,6-disulfonic acid Disodium salt	C ₁₀ H ₁₀
C ₁₀ H ₈	C ₁₀ H ₈ O ₈ S ₂	Divinylbenzene
Azulene	Chromotropic acid Disodium salt	C ₁₀ H ₁₀ Cl ₂ Ti
Naphthalene	C ₁₀ H ₈ O ₉ S ₃	Titanocene dichloride
C ₁₀ H ₈ BrNO ₂	Naphthalene-1,3,6-trisulfonic acid	C ₁₀ H ₁₀ F ₃ NO ₃
N-(2-Bromoethyl)-phthalimide	Trisodium salt	Benzyl 1-hydroxy-2,2,2-trifluoroethyl-
5-Bromoindoxyl acetate	C ₁₀ H ₈ S	carbamate
C ₁₀ H ₈ N ₂	Thio-2-naphthol (β)	C ₁₀ H ₁₀ Fe
2,2'-Dipyridyl	C ₁₀ H ₉ ClN ₂	Ferrocene
2,3'-Dipyridyl	1-(4-Pyridyl)pyridinium chloride	C ₁₀ H ₁₀ N ₂
2,4'-Dipyridyl	hydrochloride	4-Aminoquinaldine
4,4'-Dipyridyl	C ₁₀ H ₉ CrNO ₃	1,5-Diaminonaphthalene
3-Indoleacetonitrile	3-Toluidine chromium tricarbonyl	1,8-Diaminonaphthalene
o-Xylylenedicyanide	C ₁₀ H ₉ F ₃ O ₃	2,3-Diaminonaphthalene
C ₁₀ H ₈ N ₂ O ₂	(+)-α-Methoxy-α-trifluoromethylphenyl	C ₁₀ H ₁₀ N ₂ O
1-Amino-4-nitronaphthalene	acetic acid	3-Indoleacetamide
m-Xylylene diisocyanate	(-)-α-Methoxy-α-trifluoromethylphenyl	3-Methyl-1-phenyl-2-pyrazolin-5-one
C ₁₀ H ₈ N ₂ O ₄	acetic acid	C ₁₀ H ₁₀ N ₂ O ₂ S
α-Furildioxime	C ₁₀ H ₉ N	1-Toluene-4-sulfonylimidazole
C ₁₀ H ₈ N ₂ S ₂	Lepidine	C ₁₀ H ₁₀ N ₂ O ₄
2,2'-Dithiodipyridine	6-Methylquinoline	Diethyl dicyanofumarate
4,4'-Dithiodipyridine	7-Methylquinoline	C ₁₀ H ₁₀ N ₄ O ₄
C ₁₀ H ₈ N ₄ O ₆	8-Methylquinoline	N,N'-Dimethyl-N,N'-dinitroso-
Picrolonic acid	1-Naphthylamine	terephthalamide
C ₁₀ H ₈ O	1-Phenylpyrrole	C ₁₀ H ₁₀ Ni
1-Naphthol (α)	Quinaldine	Nickelocene
2-Naphthol (β)		

- C₁₀H₁₀O
Benzalacetone
Benzoylcyclopropane
α-Tetralol
- C₁₀H₁₀O₂
Benzoylacetone
1,2-Diacetylbenzene
1,3-Diacetylbenzene
1,4-Diacetylbenzene
Isosafrole (cis + trans)
Methyl cinnamate
α-Methylcinnamic acid
Safrole
- C₁₀H₁₀O₃
3-Benzoylpropionic acid
3,4-Ethylenedioxyacetophenone
cis-2-Methoxycinnamic acid
trans-2-Methoxycinnamic acid
3-Methoxycinnamic acid
trans-4-Methoxycinnamic acid
o-Methoxycinnamic acid
(3,4-Methylenedioxyphenyl)-2-propanone
Methylnorbornene-2,3-dicarboxylic anhydride
- C₁₀H₁₀O₄
Benzylmalonic acid
Dimethyl isophthalate
Dimethyl phthalate
Dimethyl terephthalate
Ferulic acid
3-Hydroxy-4-methoxycinnamic acid
Phenylsuccinic acid
- C₁₀H₁₁ClN₄O₄
6-Chloropurine riboside
- C₁₀H₁₁ClO₄
3,4,5-Trimethoxybenzoyl chloride
- C₁₀H₁₁ClZr
Bis-(cyclopentadienyl)-Zirconium hydrochloride
- C₁₀H₁₁N
4-Phenylbutyronitrile
- C₁₀H₁₁NO
3-(2-Hydroxyethyl)-indole
- C₁₀H₁₁NO₂
Acetoacetanilide
Homoveratronic nitrile
- C₁₀H₁₁NO₄
Z-glycine
- C₁₀H₁₁N₃O₂
Neocupferron
- C₁₀H₁₁N₃O₅S
NPS-L-asparagine Dcha-salt
- C₁₀H₁₁N₃O₇
DNP-L-threonine
- C₁₀H₁₂
Dicyclopentadiene
2,4-Dimethylstyrene
2-Methyl-1-phenyl-1-propene
1-Phenyl-2-butene
1,2,3,4-Tetrahydronaphthalene
- C₁₀H₁₂BrN₅O₄
8-Bromoadenosine
- C₁₀H₁₂N₂
2-Benzyl-2-imidazoline hydrochloride
Tryptamine
Tryptamine hydrochloride
- C₁₀H₁₂N₂O
Serotonin creatinesulfate
Serotonin hydrogenmaleate
Serotonin hydrogenoxalate
- C₁₀H₁₂N₂O₃
DL-Kynurenine
Z-glycin-2-chloromethyl-4-nitrophenyl-ester
- C₁₀H₁₂N₂O₄S
N,N'-Diacetylsulfanilamide
- C₁₀H₁₂N₂O₅S
NPS-L-threonine Dcha-salt
- C₁₀H₁₂N₄OS
3-Acetamidobenzaldehyde thiosemicarbazone
- C₁₀H₁₂N₄O₄
2'-Deoxyinosine
Purine-9-β-D-ribofuranoside
- C₁₀H₁₂N₄O₄S
6-Mercaptopurine-9-β-D-ribofuranoside
- C₁₀H₁₂N₄O₅
Inosine
- C₁₀H₁₂N₅O₆P
Adenosine-3',5'-cyclophosphoric acid
- C₁₀H₁₂N₅O₇P
Guanosine-3,5'-cyclophosphate monosodium salt
- C₁₀H₁₂N₆
Ethylenediaminetetraacetonitrile
- C₁₀H₁₂O
Anethole
Benzylacetone
Benzyl ethyl ketone
Butyrophenone
Couminaldehyde
2,4-Dimethylacetophenone
2-Methyl-1-phenyl-1-propanone
Mesitaldehyde
α-Tetralol
- C₁₀H₁₂O₂
Duroquinone
Ethyl phenylacetate
Ethyl-o-toluate
Ethyl-m-toluate
Ethyl-p-toluate
Eugenol
Isoeugenol (cis + trans)
4-Methoxybenzyl methyl ketone
4-Methoxypropiofenone
2-Phenylbutyric acid
3-Phenylbutyric acid
4-Phenylbutyric acid
2-Phenylethyl acetate
2,4,6-Trimethylbenzoic acid
- C₁₀H₁₂O₃
Coniferyl alcohol
2,4-Dimethoxyacetophenone
3,4-Dimethoxyacetophenone
Ethyl DL-mandelate
3-(2-Methoxyphenyl)-propionic acid
4-Phenoxybutyric acid
- C₁₀H₁₂O₄
Diallyl maleate
2,5-Dimethoxyphenylacetic acid
Homoveratric acid
4-Hydroxy-3,5-dimethoxyacetophenone
2',4',5'-Trihydroxybutyrophenone
2,3,4-Trimethoxybenzaldehyde
2,4,5-Trimethoxybenzaldehyde
2,4,6-Trimethoxybenzaldehyde
3,4,5-Trimethoxybenzaldehyde
- C₁₀H₁₂O₅
Diethyl furan-3,4-dicarboxylate
Propyl gallate
2,3,4-Trimethoxybenzoic acid
3,4,5-Trimethoxybenzoic acid
- C₁₀H₁₃BrO₂
1-Ethoxy-1-(4-bromophenoxy)-ethane
- C₁₀H₁₃Cl
2-Chloromethyl-2-phenylpropane
- C₁₀H₁₃ClO₃
(-)-Camphanic acid chloride
3,4,5-Trimethoxybenzyl chloride
- C₁₀H₁₃NO
N-Acetyl-2,6-dimethylaniline
3,4-Dimethylacetanilide
2-(2-Methoxyphenyl)ethylamine
- C₁₀H₁₃NO₂
Phenacetin
L-Phenylalanine methyl ester hydrochloride
- C₁₀H₁₃NO₂S
S-Benzyl-L-cysteine
α-Methyl-DL-tyrosine
- C₁₀H₁₃NO₃
o-Benzyl-L-serine
o-Benzyl-D-serine
o-Benzyl-DL-serine
DL-α-Methyl-p-tyrosine
L-Tyrosine methyl ester
L-Tyrosine methyl ester HCl
- C₁₀H₁₃NO₄
3-(3,4-Dihydroxyphenyl)-2-methyl-L-alanine
- C₁₀H₁₃N₃O₃
Z-glycine hydrazide
- C₁₀H₁₃N₄O₈P
Inosine 5'-monophosphate Disodium salt
- C₁₀H₁₃N₅O₃
2'-Deoxyadenosine
- C₁₀H₁₃N₅O₄
Adenine-9-β-D-arabinofuranoside
Adenosine
2'-Deoxyguanosine
- C₁₀H₁₃N₅O₅
Guanosine
- C₁₀H₁₃O₂
L-Alanine benzyl ester toluene-4-sulfonate

C₁₀H₁₄

Butylbenzene
sec-Butylbenzene
tert-Butylbenzene
p-Cymene
1,2-Diethylbenzene
1,3-Diethylbenzene
1,4-Diethylbenzene
2,2-Dimethylbutane
Durene
Isobutylbenzene
Isodurene

C₁₀H₁₄BrNO₂

N-(3-Bromophenyl)diethanolamine

C₁₀H₁₄BrNO₃S

Dimethyl-(2-methoxy-5-nitrobenzyl)-
sulfonium bromide

C₁₀H₁₄CaO₄

Calcium acetylacetonate

C₁₀H₁₄ClNO

N-(3-Chlorophenyl)diethanolamine

C₁₀H₁₄CuN₂O₈

Ethylenediamine tetraacetic acid Copper
Disodium salt

C₁₀H₁₄N₂

(-)-Anabasine
(-)-Nicotine
1-Phenylpiperazine

C₁₀H₁₄N₂O

N,N-Diethylnicotinamide

C₁₀H₁₄N₂O₅

Thymidine

C₁₀H₁₄N₄O₄

7-(2,3-Dihydroxypropyl)-theophylline

C₁₀H₁₄N₄O₁₁P₂

Inosine 5'-diphosphate Disodium salt

C₁₀H₁₄N₅O₇P

Adenosine 5'-monophosphate
Disodium salt
Adenosine 3'-monophosphoric acid
Adenosine 3'-(+ 2')-monophosphoric
acid
Adenosine 5'-monophosphoric
acid
2'-Deoxyguanosine 5'-monophosphate
Disodium salt

C₁₀H₁₄N₅O₉P

Guanosine 3'-(+ 2')-monophosphate
Disodium salt
Guanosine 5'-monophosphate
Disodium salt
Guanosine 5'-monophosphoric
acid

C₁₀H₁₄NiO₄

Nickel acetylacetonate

C₁₀H₁₄O

2-Adamantanone
Bis(2-cyclopenten-1-yl)ether
2-tert-Butylphenol
Carvacrol
(-)-Carvone
(+)-Carvone
2-Methyl-1-phenyl-2-propanol
Thymol
Verbenone

C₁₀H₁₄O₂

4-tert-Butylcatechol
tert-Butylhydroquinone
2,7-Dimethyl-3,5-octadiyne-2,7-diol
Hydroquinone diethyl ether
Phenylacetaldehyde dimethyl acetal

C₁₀H₁₄O₃

3,4,5-Trimethoxytoluene

C₁₀H₁₄O₄

(-)-Camphanic acid
Ethylene glycol dimethacrylate
2,3,4-Trimethoxybenzyl alcohol
3,4,5-Trimethoxybenzyl alcohol

C₁₀H₁₄O₄Pd

Palladium acetylacetonate

C₁₀H₁₄O₅V

Vanadyl acetylacetonate

C₁₀H₁₄S₂

1,2-Dimethyl-4,5-bis(mercaptomethyl)-
benzene

C₁₀H₁₅Br

1-Bromoadamantane

C₁₀H₁₅BrO

(+)-3-Bromocamphor

C₁₀H₁₅BrO₄S

3-Bromo-(+)-camphor-8-sulfonic acid
3-Bromo-(+)-camphor-10-sulfonic acid

C₁₀H₁₅Cl

1-Chloroadamantane

C₁₀H₁₅ClO₃S

(+)-Camphor-10-sulfonyl chloride

C₁₀H₁₅N

3-Amino-1-phenyl-butane
N-Benzylisopropylamine
N,N-Diethylaniline
2,6-Diethylaniline
4-Phenylbutylamine

C₁₀H₁₅NO

N-Benzyl-2-methylaminoethanol
4-Butyloxyaniline
3-Diethylamino-phenol
(-)-Ephedrine
(+)-Ephedrine hydrochloride
D-Pseudoephedrine

C₁₀H₁₅NO₂

Homoveratrylamine
N-Phenyldiethanolamine

C₁₀H₁₅N₅O₁₀P₂

Adenosine 5'-diphosphate Disodium
salt
Adenosine 5'-diphosphate Trisodium
salt

C₁₀H₁₅N₅O₁₁P₂

Guanosine 5'-diphosphate Trisodium
salt

C₁₀H₁₅P

Diethylphenylphosphine

C₁₀H₁₆

Adamantane
neo-Alloocimene
(+)-Camphene
2-Carene
(+)-3-Carene
1,5-cis,trans-Cyclodecadiene
2,6-Dimethyl-2,4,6-octatriene
Dipentene
cis-1,2-Divinylcyclohexane
trans-1,2-Divinylcyclohexane
(+)-3R-trans-Isolimonene
R(+)-Limonene
S(-)-Limonene
(-)-Myrtenol
Pentamethyl-1,3-cyclopentadiene
R(-)-α-Phellandrene
(1S)-(-)-α-Pinene
(1R)-(+)-α-Pinene
(1S)-(-)-β-Pinene
α-Terpinene
γ-Terpinene

C₁₀H₁₆ClN

Benzyltrimethylammonium
chloride

C₁₀H₁₆Cl₂O₂

Sebacoyl chloride

C₁₀H₁₆N₂

4-Amino-N,N-diethylaniline
4-Amino-N,N-diethylaniline sulfate
Sebaconitrile
2,3,5,6-Tetramethyl-p-phenylene-
diamine
N,N,N',N'-Tetramethyl-p-phenylene-
diamine dihydrochloride

C₁₀H₁₆N₂O

N-Ethyl-N-(2-hydroxyethyl)-p-
phenylenediamine sulfate

C₁₀H₁₆N₂O₂S₂

N,N'-Bis-acryloyl cystamine

C₁₀H₁₆N₂O₃S

(+)-Biotin

C₁₀H₁₆N₂O₄

N,N'-Diallyl tartardiamide

C₁₀H₁₆N₂O₈

Ethylenediaminetetraacetic acid
Ethylenediaminetetraacetic acid
Ammonium Iron(III) salt
Ethylenediaminetetraacetic acid
Calcium-Disodium salt
Ethylenediaminetetraacetic acid
Cerium(III)-Sodium salt
Ethylenediaminetetraacetic acid
Diammonium salt
Ethylenediaminetetraacetic acid
Dipotassium salt
Ethylenediaminetetraacetic acid
Tripotassium salt
Ethylenediaminetetraacetic acid
Magnesium-Disodium salt
Ethylenediaminetetraacetic acid
Disodium salt
Ethylenediaminetetraacetic acid
Tetrasodium salt
Ethylenediaminetetraacetic acid
Trisodium salt
Ethylenediaminetetraacetic acid
Disodium Zinc salt

- C₁₀H₁₆N₅O₁₃P₃
Adenosine 5'-triphosphate Disodium salt
Adenosine 5'-triphosphoric acid
- C₁₀H₁₆N₅O₁₄P₃
Guanosine 5'-triphosphate Disodium salt
- C₁₀H₁₆O
1-Adamantanol
(+)-Camphor natural
(+)-Camphor synth.
Citral (cis + trans)
4-Cyclodecen-1-one
(-)-Fenchone
(+)-Fenchone
R(+)-Pulegone
α + β-Thuione
(1S)-(cis-Verbenol
(1R)-cis-Verbenol
- C₁₀H₁₆O₂
Cyclohexyl methacrylate
- C₁₀H₁₆O₄
(+)-Camphoric acid
Cobalt(II)-acetylacetonate
Copper(II)-acetylacetonate
Diethyl allylmalonate
Diethyl cyclobutane-1,1-dicarboxylate
Diethyl isopropylidenemalonate
Dimethyl cyclohexane-1,4-dicarboxylate (cis + trans)
Magnesium acetylacetonate
Manganese(II) acetylacetonate
- C₁₀H₁₆O₄S
(+)-Camphor-10-sulfonic acid(β)
(±)-Camphor-10-sulfonic acid(β)
- C₁₀H₁₆O₅
Diethylethoxymethylene malonate
- C₁₀H₁₆SeSi
Phenylselenomethyl trimethylsilane
- C₁₀H₁₇N
1-Aminoadamantane hydrochloride
- C₁₀H₁₇NO
Benzyltrimethylammonium hydroxide
1-Morpholinocyclohexene
- C₁₀H₁₇NO₄
BOC-L-proline
- C₁₀H₁₇N₃O₆S
L-Glutathione
- C₁₀H₁₇N₅O₈
Pentaglycine
- C₁₀H₁₇O
Ipsenol
- C₁₀H₁₈
(+)-β-Citronellene
cis-Cyclodecene
cis-Decahydronaphthalene
trans-Decahydronaphthalene
Decahydronaphthalene (cis + trans)
1-Decyne
(+)-5,7-Dimethyl-1,6-octadiene
(+)-p-Menth-1-ene
(1R)-(+)-cis-Pinane
(1S)-(-)-trans-Pinane
Vinylcyclooctane
- C₁₀H₁₈BrNO₄S
3-Bromo-(+)-camphor-8-sulfonic acid Ammonium salt
- C₁₀H₁₈N₂O₄
Di-tert-butyl azodicarboxylate
- C₁₀H₁₈N₂O₅
BOC-L-glutamine
- C₁₀H₁₈N₂O₇
N-(2-Hydroxyethyl)ethylenediamine-N,N',N'-triacetic acid
- C₁₀H₁₈N₂O₈
Calcium-L-glutamate
- C₁₀H₁₈O
(-)-Borneol
Borneol
4-tert-Butylcyclohexanone
(+)-Citronellal
Cyclodecanone
cis-1,2-Epoxy cyclodecane
Eucalyptol
(+)-Fenchol
(±)-Linalool
Menthone mixture of Isomers
(-)-cis-Myrtanol
(-)-trans-Myrtanol
Nerol
Terpineol
3,3,5,5-Tetramethylcyclohexanone
- C₁₀H₁₈O₂
Ethyl cyclohexaneacetate
Methyl 3-cyclohexylpropionate
1,5-Decalindiol
Geraniol
- C₁₀H₁₈O₃
Ethyl α,α-diethylacetoacetate
Pivalic anhydride
2 + 3(Tetrahydrofurfuryloxy)
tetrahydropyran
n-Valeric anhydride
- C₁₀H₁₈O₄
Dibutyl oxalate
Di-tert-butyl oxalate
Diethyl adipate
Diethyl isopropylmalonate
Diethyl 2-methylglutarate
Sebacic acid
- C₁₀H₁₈O₅
Di-tert-butyl dicarbonate
- C₁₀H₁₉BrO₂
2-Bromodecanoic acid
Ethyl 2-bromocaprylate
- C₁₀H₁₉ClO
Decanoyl chloride
- C₁₀H₁₉N
Decanenitrile
R-(-)-Isobornylamine hydrochloride
- C₁₀H₁₉NO
Caprolactam
Cyclodecanoneoxim
- C₁₀H₁₉NO₄
BOC-L-valine
L-Glutamic acid-5-tert-butyl-1-methylester hydrochloride
- C₁₀H₁₉NO₄S
BOC-L-methionine
BOC-L-methionine Dicyclohexylamine salt
- C₁₀H₁₉NO₅
tert-Butyl N-(tert-butoxy carbonyloxy) carbamate
- C₁₀H₁₉N₃O₄
L-Leucyl-glycyl-glycine
- C₁₀H₂₀
Butylcyclohexane
tert-Butylcyclohexane
Cyclodecane
1-Decene
trans-4-Decene
3,7-Dimethyl-1-octene
- C₁₀H₂₀Br₂
1,10-Dibromodecane
- C₁₀H₂₀I₂
1,10-Diiododecane
- C₁₀H₂₀N₂O₄S₂
D-Penicillamine disulfide
- C₁₀H₂₀N₂PbS₄
Lead diethyldithiocarbamate
- C₁₀H₂₀N₂S₄
Tetraethylthiuram disulfide
- C₁₀H₂₀N₇O₆P
2'-Deoxyadenosine-5'-monophosphate Diammonium salt
- C₁₀H₂₀O
4-tert-Butylcyclohexanol
Citronellol
(±)-β-Citronellol
Decanal
2-Decanone
3-Decanone
4-Decanone
(-)-Menthol
Menthol
Neomenthol rac.
(+)-Neomenthol
- C₁₀H₂₀O₂
Capric acid
Ethyl caprylate
2-Ethylhexyl acetate
Methyl pelargonate
Pentyl valerate
- C₁₀H₂₀O₂S
2-Ethylhexyl thioglycolate
- C₁₀H₂₀O₄
Diethylene glycol monobutyl ether acetate
- C₁₀H₂₀O₅
15-Crown-5
- C₁₀H₂₁Br
1-Bromodecane
- C₁₀H₂₁ClNO
3-Methacrylamino propyl trimethylammonium chloride
- C₁₀H₂₁N
N-tert-Butylcyclohexylamine
N,N-Diethylcyclohexylamine
1,2,2,6,6-Pentamethylpiperidine

C₁₀H₂₁NO₂

L-Isoleucin-tert-butyl ester Dibenzene-sulfimide salt
L-Leucine-tert-butyl ester Dibenzene-sulfimide salt

C₁₀H₂₂

Decane
2-Methylnonane
3-Methylnonane
4-Methylnonane
Pentyl ether
Tetrahydrocitronellen

C₁₀H₂₂Cl₂N₂O₂

Dimethyl suberimidate dihydrochloride

C₁₀H₂₂O

1-Decanol
2-Decanol
5-Decanol
3,7-Dimethyl-1-octanol

C₁₀H₂₂O₂

1,10-Decanediol

C₁₀H₂₂O₃S

Decanesulfonic acid Sodium salt

C₁₀H₂₂O₅

Tetraethylene glycol dimethyl ether

C₁₀H₂₂S

1-Decanethiol

C₁₀H₂₃N

Decylamine
Diisopentylamine
Dipentylamine

C₁₀H₂₃NO

2-Dibutylaminoethanol

C₁₀H₂₃NO₂

Tetraethylammonium acetate

C₁₀H₂₄N₂

1,10-Diaminodecane
N,N,N',N'-Tetraethylethylenediamine

C₁₀H₂₆N₄

Spermine
Spermine phosphate
Spermine tetrahydrochloride

C₁₀Mn₂O₁₀

Manganese carbonyl

C₁₀O₁₀Re₂

Rheniumcarbonyl

C₁₁H₇BrO

1-Bromo-2-naphthaldehyde

C₁₁H₇ClO

1-Naphthoyl chloride
2-Naphthoyl chloride

C₁₁H₇N

1-Naphthonitrile
2-Naphthonitrile

C₁₁H₇NO

1-Naphthylisocyanate (α)

C₁₁H₈N₂O

2,2'-Dipyridyl ketone

C₁₁H₈O

1-Naphthaldehyde (α)
2-Naphthaldehyde (β)

C₁₁H₈O₂

2-Hydroxy-1-naphthaldehyde
2-Methyl-1,4-naphthoquinone
1-Naphthoic acid (α)
2-Naphthoic acid (β)

C₁₁H₈O₃

1-Hydroxy-2-naphthoic acid
3-Hydroxy-2-naphthoic acid

C₁₁H₈O₅

Purpurogallin

C₁₁H₉Br

1-Bromo-4-methylnaphthalene

C₁₁H₉BrO₂

4-Bromomethyl-7-methoxy-coumarin

C₁₁H₉CrO₃

4-Xylenechromium tricarbonyl

C₁₁H₉NO₂

3-Indoleacrylic acid
2-Methyl-1-nitronaphthalene

C₁₁H₉NO₃

N-(2,3-Epoxypropyl)phthalimide
3-Hydroxyquinaldine-4-carboxylic acid
3-Indolepyruvic acid

C₁₁H₉NO₄

N-Ethoxycarbonylphthalimide

C₁₁H₉N₃O₂

4-(2-Pyridylazo)-resorcinol

C₁₁H₁₀

1-Methylnaphthalene (α)
2-Methylnaphthalene (β)

C₁₁H₁₀BrNO₂

N-(3-Bromopropyl)-phthalimide

C₁₁H₁₀FeO

Ferrocene carboxaldehyde

C₁₁H₁₀N₂S

2-Naphthylthiourea (β)

C₁₁H₁₀O

1-Methoxynaphthalene
2-Methoxynaphthalene

C₁₁H₁₀O₂

Ethyl phenylpropiolate

C₁₁H₁₁Cl₃O₃

tert-Butyl 2,4,5-trichlorophenyl-carbonate

C₁₁H₁₁FN₂O₂

5-Fluoro-DL-tryptophan

C₁₁H₁₁NO₂

Methyl indole-3-acetate
3-Indolepropionic acid

C₁₁H₁₁NO₃

α-Acetamidocinnamic acid
5-Methoxy-3-indoleacetic acid

C₁₁H₁₁NO₅S

Woodwards Reagent K

C₁₁H₁₁N₃O₆

DNP-L-proline

C₁₁H₁₂

5-Phenyl-1-pentyne

C₁₁H₁₂ClNO₂

Hydrastinine chloride

C₁₁H₁₂Cl₂N₂O₆

Chloroamphenicol

C₁₁H₁₂IN

N-Ethyl-quinolinium iodide

C₁₁H₁₂N₂O

Antipyrin

C₁₁H₁₂N₂O₂

L-Tryptophan
D-Tryptophan
DL-Tryptophan

C₁₁H₁₂N₂O₃

5-Hydroxy-L-tryptophan
5-Hydroxy-DL-tryptophan

C₁₁H₁₂N₂O₄S

NPS-L-proline Dcha-salt

C₁₁H₁₂N₄O₇

DNP-L-glutamine

C₁₁H₁₂O

Benzosuberone

C₁₁H₁₂O₂

Ethyl cinnamate
6-Methoxy-1-tetralone
7-Methoxy-1-tetralone

C₁₁H₁₂O₃

Benzoylactic acid ethyl ester

C₁₁H₁₂O₄

2,3-Dimethoxycinnamic acid

C₁₁H₁₂O₅

Sinapic acid

C₁₁H₁₃NO

4-Dimethylaminocinnamaldehyde

C₁₁H₁₃NO₂

(4S,5S)-4,5-Dihydro-4-hydroxymethyl-2-methyl-5-phenyloxazol

C₁₁H₁₃NO₃

3,4,5-Trimethoxyphenylacetone nitrile

C₁₁H₁₃NO₄

L-Aspartic acid 4-benzyl ester
Z-L-alanine

C₁₁H₁₃NO₅

tert-Butyl 4-nitrophenylcarbonate
Z-L-serine

C₁₁H₁₃N₃O

4-Aminoantipyrine

C₁₁H₁₃N₃O₂S

1-(2-Mesitylenesulfonyl)-1H-1,2,4-triazole

C₁₁H₁₃N₃O₆

L-Glutamic acid 1-(4-nitroanilide)
L-Glutamic acid 5-(4-nitroanilide)

C₁₁H₁₃N₃O₅S

NPS-L-glutamine Dcha-salt

C₁₁H₁₄

2,4,6-Trimethylstyrene

C₁₁H₁₄N₂

Gramine
5-Methyltryptamine hydrochloride
Nω-Methyltryptamine

C ₁₁ H ₁₆ N ₂ O	C ₁₁ H ₁₆ N ₂ O ₄	C ₁₁ H ₂₀ O ₂
5-Methoxytryptamine	Z-L-serine hydrazide	2-Ethylhexyl acrylate
DL-Tryptophanol		2,2,6,6-Tetramethyl-3,5-heptanedione
DL-Tryptophanol hydrogenoxalate	C ₁₁ H ₁₆	10-Undecenoic acid
	Pentamethylbenzene	
C ₁₁ H ₁₆ N ₂ O ₃	Pentylbenzene	C ₁₁ H ₂₀ O ₄
Glycyl-L-phenylalanine		Di-tert-butyl malonate
Glycyl-DL-phenylalanine	C ₁₁ H ₁₆ N ₂	Diethyl butylmalonate
L-Phenylalanyl-glycine	1-Benzylpiperazine	Diethyl tert-butylmalonate
		Diethyl diethylmalonate
C ₁₁ H ₁₆ N ₂ O ₄	C ₁₁ H ₁₆ N ₂ O ₂ S	Diethyl pimelate
Glycyl-L-tyrosine	S-BOC-2-mercapto-4,6-dimethyl pyrimidine	Dimethyl azelate
		Undecanedioic acid
C ₁₁ H ₁₆ N ₂ O ₄ S	C ₁₁ H ₁₆ N ₂ O ₆	C ₁₁ H ₂₁ BrO ₂
NPS-L-methionine Dcha-salt	BOC-glycine-hydroxysuccinimide ester	2-Bromoundecanoic acid
C ₁₁ H ₁₆ O		11-Bromoundecanoic acid
2,2-Dimethylpropiophenone	C ₁₁ H ₁₆ O	Ethyl 2-bromononanoate
6-Methoxy-1,2,3,4-tetrahydro- naphthalene	2-tert-Butyl-4-methylphenol	
2-Methylbutyrophenone	4-tert-Butyl-2-methylphenol	
1-Phenyl-2-pentanone	2-tert-Butyl-6-methylphenol	
2,4,6-Trimethylacetophenone	2-tert-Butyl-5-methylphenol	
		C ₁₁ H ₂₁ N
C ₁₁ H ₁₆ OP	C ₁₁ H ₁₆ O ₂	Undecanenitrile
3-Methyl-1-phenyl-1-phospha- 3-cyclopentene-1-oxide	Adamantane-1-carboxylic acid	
	3-tert-Butyl-4-hydroxyanisole	C ₁₁ H ₂₁ NO ₄
		BOC-L-isoleucine
C ₁₁ H ₁₆ O ₂	C ₁₁ H ₁₆ O ₃	BOC-L-leucine
4-Benzoyloxy-2-butanone	(±)-Camphor-3-carboxylic acid	
4-tert-Butylbenzoic acid	Diethyl phenyl orthoformate	C ₁₁ H ₂₁ N ₅ O ₆
Ethyl hydrocinnamate		BOC-N ^ω -nitro-L-arginine
Ethyl o-tolylacetate	C ₁₁ H ₁₇ N	
Ethyl p-tolylacetate	N-Benzyl-tert-butylamine	C ₁₁ H ₂₂
Eugenol methyl ether		1-Undecene
8α-Methyl-3,4,8,8α-tetrahydro- 1,6(2H,7H)-naphthalenedione	C ₁₁ H ₁₇ NO	C ₁₁ H ₂₂ Br ₂
	(-)-N-Methylephedrine	1,11-Dibromoundecane
C ₁₁ H ₁₆ O ₃	C ₁₁ H ₁₇ NO ₂	C ₁₁ H ₂₂ N ₂
Butyl 4-hydroxybenzoate	N,N-Bis(2-hydroxyethyl)-p-toluidine	Dipiperidinomethane
tert-Butyl perbenzoate		
tert-Butyl phenyl carbonate	C ₁₁ H ₁₇ NO ₃	C ₁₁ H ₂₂ N ₂ O ₃ S
	N-Isopropyl-DL-noradrenaline hydro- chloride	L-Methionyl-L-isoleucine
C ₁₁ H ₁₆ O ₄	C ₁₁ H ₁₇ N ₂ O ₄	C ₁₁ H ₂₂ N ₂ O ₄
2,3,4-Trimethoxyacetophenone	N _α -BOC-L-histidine	N _α -BOC-L-lysine
3,4,5-Trimethoxyacetophenone		
		C ₁₁ H ₂₂ N ₄ O ₄
C ₁₁ H ₁₆ O ₅	C ₁₁ H ₁₆ N ₂ O ₃	N _α -BOC-L-arginine
Butyl gallate	1,2-Diamino-propane-N,N,N',N'-tetra- acetic acid	
Methyl 3,4,5-trimethoxybenzoate		C ₁₁ H ₂₂ O
3,4,5-Trimethoxyphenylacetic acid	C ₁₁ H ₁₆ N ₂ O ₆	2,8-Dimethyl-5-nonanone
	1,3-Diamino-2-propanol-N,N,N',N'- tetraacetic acid	Undecanal
		2-Undecanone
		4-Undecanone
		6-Undecanone
		10-Undecen-1-ol
C ₁₁ H ₁₆ S ₂	C ₁₁ H ₁₆ O ₅	
1,5-Dihydro-7,8-dimethyl-2,4-benzo- dithiepine	Diethyl 3-oxopimelate	C ₁₁ H ₂₂ O ₂
	Diethyl 4-oxopimelate	Ethyl pelargonate
		Methyl decanoate
C ₁₁ H ₁₅ Br	C ₁₁ H ₁₆ ClO	Undecanoic acid
4-tert-Butylbenzyl bromide	10-Undecenoyl chloride	
		C ₁₁ H ₂₃ Br
		1-Bromoundecane
C ₁₁ H ₁₅ FO ₂	C ₁₁ H ₁₅ NO	
Adamantyl fluoroformate	Benzyltrimethylammonium methoxide	C ₁₁ H ₂₃ BrO
		11-Bromo-1-undecanol
C ₁₁ H ₁₅ NO	C ₁₁ H ₁₅ NO ₂ S	
4-Diethylaminobenzaldehyde	Tetramethylammonium toluene-4- sulfonate	C ₁₁ H ₂₃ NO ₂
		11-Aminoundecanoic acid
C ₁₁ H ₁₅ NO ₂	C ₁₁ H ₁₅ NO ₃	
Butyl 4-aminobenzoate	N-Acetylneuraminic acid	C ₁₁ H ₂₄ N ₂ O ₂
4-Diethylaminosalicylaldehyde		N-BOC-1,6-diaminohexane hydro- chloride
L-Phenylalanine ethyl ester hydrochloride	C ₁₁ H ₁₅ N ₃ O ₃	
	BOC-L-histidine hydrazide	
		C ₁₁ H ₂₄
C ₁₁ H ₁₅ NO ₂ S	C ₁₁ H ₂₀ N ₂ O ₅ S	Undecane
S-Benzyl-L-cysteine methyl ester hydrochloride	BOC-S-acetaminomethyl-L-cysteine	
		C ₁₁ H ₂₄ O
C ₁₁ H ₁₅ NO ₃	C ₁₁ H ₂₀ O	1-Undecanol
L-Tyrosine ethyl ester hydrochloride	Cycloundecanone	2-Undecanol
		6-Undecanol
C ₁₁ H ₁₅ N ₂ O ₈ P		
β-Nicotinamide mononucleotide		

C₁₁H₂₄O₄
1,1,3,3-Tetraaethoxypropane

C₁₁H₂₄O₆Si
Vinyl-tris-(2-methoxy)-silane

C₁₁H₂₅N
Undecylamine

C₁₁H₂₅NO₂
N,N-Dimethylformamide dibutyl acetal
N,N-Dimethylformamide-di-tert-butyl
acetal

C₁₁H₂₆I₂N₂
Pentamethonium iodide

C₁₂Br₁₀O
Decabromodiphenyl ether

C₁₂F₂₇N
Heptacosafuorotributylamine

C₁₂Fe₃O₁₂
tri-Iron dodecacarbonyl

C₁₂H₄N₄
7,7,8,8-Tetracyanoquinodimethane

C₁₂H₈N₇O₁₂
2,2',4,4',6,6'-Hexanitro diphenylamine

C₁₂H₆F₂O₆S
Bis-(4-fluoro-3-nitrophenyl)-sulfone

C₁₂H₆O₂
Acenaphthenequinone

C₁₂H₆O₃
1,8-Naphthalic anhydride

C₁₂H₆O₁₂
Mellitic acid

C₁₂H₇Br₂NO₂
2,6-Dibromophenolindophenol Sodium
salt

C₁₂H₇Cl₂NO₂
2,6-Dichlorophenolindophenol Sodium
salt

C₁₂H₇NO₃
N,N-Naphthaloylhydroxylamine Sodium
salt

C₁₂H₇NO₄
Resazurine

C₁₂H₇N₃O₂
5-Nitro-1,10-phenanthroline

C₁₂H₈
Acenaphthylene

C₁₂H₈Br₂
4,4'-Dibromobiphenyl

C₁₂H₈Br₂O
Bis-(4-bromophenyl)ether

C₁₂H₈CINS
2-Chlorophenothiazine

C₁₂H₈Cl₂O₂S
4-Dichlorodiphenyl sulfone

C₁₂H₈Cl₂Se₂
Bis(4-chlorophenyl)diselenide

C₁₂H₈Cl₆O
Dieldrin

C₁₂H₈N₂
Benzo(c)cinnoline
o-Phenanthroline
o-Phenanthroline hydrochloride
Phenazine

C₁₂H₈N₂O₂
4,7-Dihydroxy-1,10-phenanthroline
α-Pyridil

C₁₂H₈N₂O₄
2,2'-Dinitrobiphenyl

C₁₂H₈N₆O₁₂
Aurantia

C₁₂H₈O
Dibenzofuran

C₁₂H₈O₃
1,8-Naphthaldehydic acid

C₁₂H₈O₄
Xanthotoxin

C₁₂H₈S
Dibenzothiophene

C₁₂H₈S₂
Thianthrene

C₁₂H₉Br
4-Bromobiphenyl

C₁₂H₉N
4-Azafluorene
Carbazole

C₁₂H₉NO
2-Benzoylpyridine
4-Benzoylpyridine
Phenoxazine

C₁₂H₉NO₂
4-Nitrobiphenyl

C₁₂H₉NO₃
4-Nitrodiphenyl ether

C₁₂H₉NS
Phenothiazine

C₁₂H₉N₂BrS
Azobenzene-2-sulphenyl bromide

C₁₂H₉N₃O₄
2-(2,4-Dinitrobenzyl)-pyridine
4-(4-Nitrophenylazo)-resorcinol

C₁₂H₁₀
Acenaphthene
Biphenyl
1-Vinylnaphthalene
2-Vinylnaphthalene

C₁₂H₁₀ClI
Diphenyliodonium chloride

C₁₂H₁₀CIN
2-(4-Chlorobenzyl)pyridine

C₁₂H₁₀CIN₃S
Thionine

C₁₂H₁₀ClOP
Diphenyl phosphoryl chloride

C₁₂H₁₀CIP
p-Chlorodiphenylphosphine

C₁₂H₁₀Cl₂Si
Diphenyldichlorosilane

C₁₂H₁₀Hg
Diphenylmercury

C₁₂H₁₀Mg₃O₁₄
tri-Magnesium dicitrate

C₁₂H₁₀N₂
Azobenzene
1,2-Di-(4-pyridyl)-ethylene
Harmane
Harmane hydrochloride

C₁₂H₁₀N₂O
Harmol hydrochloride
4-Hydroxyazobenzene

C₁₂H₁₀N₂O₂
4-(4-Nitrobenzyl)pyridine
2-Nitrodiphenylamine

C₁₂H₁₀N₂O₆S
Tropaeolin O

C₁₂H₁₀N₂O₆
N-Succinimidyl p-nitrophenylacetate

C₁₂H₁₀N₃O₃P
Diphenyl phosphoryl azide

C₁₂H₁₀N₄O₄
2,4-Dinitrobenzoic acid

C₁₂H₁₀O
1-Acetonaphthone
2-Acetonaphthone
2-Hydroxybiphenyl
4-Hydroxybiphenyl
2-Hydroxybiphenyl Sodium salt
Phenyl ether

C₁₂H₁₀OS
Phenyl sulfoxide

C₁₂H₁₀O₂
2,2'-Dihydroxybiphenyl
1-Naphthyl acetate
2-Naphthyl acetate
1-Naphthylacetic acid (α)
2-Naphthylacetic acid (β)

C₁₂H₁₀O₂S
(4-Hydroxyphenyl)sulfide
Phenyl sulfone
α-Thenyl benzoate

C₁₂H₁₀O₂S₂
S-Phenyl benzenethiosulfate

C₁₂H₁₀O₃
Methyl β-hydroxynaphthoate
2-Naphthyloxyacetic acid

C₁₂H₁₀O₃S
Diphenyl phosphite

C₁₂H₁₀O₃Se₂
Benzene seleninic anhydride

C₁₂H₁₀O₄S
(4-Hydroxyphenyl)sulfone

C₁₂H₁₀O₁₄Pb
Lead(II)-citrate

C₁₂H₁₀S
Phenyl sulfide

C₁₂H₁₀S₂
Phenyl disulfide

- C₁₂H₁₀Se₂
Diphenyl diselenide
- C₁₂H₁₁ClN₂
2-Amino-4'-chlorodiphenylamine
- C₁₂H₁₁N
2-Aminobiphenyl
4-Aminobiphenyl
2-Benzylpyridine
4-Benzylpyridine
Diphenylamine
- C₁₂H₁₁NO
4-Aminodiphenyl ether
- C₁₂H₁₁NOS
Thionalide
- C₁₂H₁₁NO₃S
Diphenylamine-4-sulfonic acid Barium salt
Diphenylamine-4-sulfonic acid Sodium salt
- C₁₂H₁₁NO₄S₂
Dibenzenesulfonimide
- C₁₂H₁₁NS
S,S-Diphenylsulfilimine
- C₁₂H₁₁N₃
4-Aminoazobenzene
4-Aminoazobenzene hydrochloride
- C₁₂H₁₁N₃O₂
Benzyl 3-aminopyrazine-2-carboxylate
- C₁₂H₁₁N₅
N⁶-Benzyladenine
- C₁₂H₁₂
1,2-Dimethylnaphthalene
1,3-Dimethylnaphthalene
1,4-Dimethylnaphthalene
1,5-Dimethylnaphthalene
1,6-Dimethylnaphthalene
2,3-Dimethylnaphthalene
2,6-Dimethylnaphthalene
1-Ethyl-naphthalene
2-Ethyl-naphthalene
- C₁₂H₁₂ClNO
2-Amino 4-chlorodiphenyl ether
- C₁₂H₁₂ClNO₂S
1-Dimethyl-1-naphthalenesulfonyl chloride
- C₁₂H₁₂Cl₂N₂
1,1'-Dimethyl-4,4'-bipyridiniumdichloride
- C₁₂H₁₂N₂
2-Aminodiphenylamine
4-Aminodiphenylamine
Benzidine
Benzidine dihydrochloride
Benzidine sulfate
2-Benzylaminopyridine
4,4'-Dimethyl-2,2'-dipyridyl
1,1-Diphenylhydrazine hydrochloride
Hydrazobenzene
- C₁₂H₁₂N₂O
4,4'-Diaminodiphenyl ether
Harmalol hydrochloride
- C₁₂H₁₂N₂OS₂
5-(4-Dimethylaminobenzylidene) rhodanine
- C₁₂H₁₂N₂O₂S
4,4'-Diaminodiphenylsulfone
- C₁₂H₁₂N₂O₃
5-Ethyl-5-phenylbarbituric acid
5-Ethyl-5-phenylbarbituric acid Sodium salt
Nalidixic acid
- C₁₂H₁₂N₄
Chrysoidine G
- C₁₂H₁₂O
Ethyl 2-naphthyl ether
- C₁₂H₁₂O₂
2,6-Dimethoxynaphthalene
- C₁₂H₁₂O₃
1,3,5-Triacetylbenzene
- C₁₂H₁₂O₅
3,5-Diacetoxyacetophenone
- C₁₂H₁₂O₆
1,2,4-Triacetoxybenzene
- C₁₂H₁₃N
N,N-Dimethyl-1-naphthylamine
N-Ethyl-1-naphthylamine
(±)-1-(1-Naphthyl)ethylamine
1-Phenylcyclopentane carbonitrile
1,2,3,4-Tetrahydrocarbazole
- C₁₂H₁₃NO₂
7-Dimethylamino-4-methylcoumarine
3-Indolebutyric acid
Indoxyl butyrate
- C₁₂H₁₃NO₃S
5-Dimethylamino-1-naphthalenesulfonic acid
- C₁₂H₁₃NO₅S
N-Tosyl-L-lysine
Tosyl-L-pyroglutamic acid
- C₁₂H₁₃NO₆
Z-L-aspartic acid
- C₁₂H₁₃N₃
4,4'-Diaminodiphenylamine sulfate
- C₁₂H₁₄N₂
N-(1-Naphthyl)-ethylenediamine dihydrochloride
- C₁₂H₁₄N₂O
α-Morpholino-phenylacetone nitrile
- C₁₂H₁₄N₂O₂
5-Dimethylaminonaphthalene-1-sulfonamide
5-Methyl-DL-tryptophan
6-Methyl-DL-tryptophan
L-Tryptophan methyl ester hydrochloride
- C₁₂H₁₄N₂O₂S
1-(2-Mesitylenesulfonyl)imidazole
- C₁₂H₁₄N₂O₃
5-Methoxy-DL-tryptophan
- C₁₂H₁₄N₂O₅
N-(4-Aminobenzoyl)-L-glutamic acid
Z-L-asparagine
- C₁₂H₁₄N₄
3,3'-Diaminobenzidine
3,3'-Diaminobenzidine tetrahydrochloride
- C₁₂H₁₄N₄O₆S₂
4,4'-Oxydibenzenesulfonic acid hydrazide
- C₁₂H₁₄O₃
Aldol dimethyl acetal
- C₁₂H₁₄O₄
Diethyl phthalate
- C₁₂H₁₄O₅
4'-Hydroxy-3',5'-dimethoxyacetophenone acetate
2,3,4-Trimethoxycinnamic acid
3,4,5-Trimethoxycinnamic acid
- C₁₂H₁₅ClO₃
Ethyl 2-(4-chlorophenoxy)-2-methylpropionate
- C₁₂H₁₅N
1,3,3-Trimethyl-2-methyleneindoline
- C₁₂H₁₅NO
1-Benzyl-4-piperidone
- C₁₂H₁₅NO₂
L-Proline benzylester hydrochloride
- C₁₂H₁₅NO₄
L-Glutamic acid 5-benzyl ester
- C₁₂H₁₅NO₅
Z-L-Threonine
- C₁₂H₁₅NO₆
4-Nitrophenyl-α-D-galactopyranoside
2-Nitrophenyl-β-D-galactopyranoside
4-Nitrophenyl-β-D-galactopyranoside
4-Nitrophenyl-α-D-glucopyranoside
2-Nitrophenyl-β-D-glucopyranoside
4-Nitrophenyl-β-D-glucopyranoside
4-Nitrophenyl-α-D-mannopyranoside
- C₁₂H₁₅N₃O₂S
Dansylhydrazine
- C₁₂H₁₅N₃O₃
Triallyl cyanurate
- C₁₂H₁₅N₃O₆
DNP-DL-isoleucine
- C₁₂H₁₆
Methylcyclopentadiene dimer
Phenylcyclohexane
- C₁₂H₁₆N₂O₂
5-Methoxy-DL-tryptophanol
- C₁₂H₁₆N₂O₄
L-Alanyl-L-tyrosine
- C₁₂H₁₆N₂O₄S
NPS-L-isoleucine Dcha-salt
NPS-L-leucine Dcha-salt
- C₁₂H₁₆N₄O₄
4,4'-Azo-bis-(4-cyanopentanoic acid)
- C₁₂H₁₆O
1-Phenyl-3-hexanone
- C₁₂H₁₆O₂
5-Phenyl-n-valeric acid

C ₁₂ H ₁₆ O ₃ 4-Butoxyphenylacetic acid	C ₁₂ H ₁₈ O ₂ 1-Adamantylacetic acid 4-Hexylresorcinol	C ₁₂ H ₂₂ FeO ₁₄ Ferrous gluconate
C ₁₂ H ₁₆ O ₅ 3-(3,4,5-Trimethoxyphenyl)-propionic acid	C ₁₂ H ₁₈ O ₄ 1,4-Butanediol-dimethacrylate Butyl 3,4-dihydro-2,2-dimethyl-4-oxo-2H-pyran-6-carboxylate	C ₁₂ H ₂₂ MgO ₁₄ Magnesium D-gluconate
C ₁₂ H ₁₆ O ₆ Diethyl 1,4-cyclohexanedione-2,5-dicarboxylate Phenyl-β-D-galactopyranoside Phenyl-β-D-glucopyranoside	C ₁₂ H ₁₈ O ₆ 1,2:5,6-Di-O-isopropylidene-α-D-ribo-3-hexofuranosulose	C ₁₂ H ₂₂ N ₂ O ₄ Nω-POC-lysine
C ₁₂ H ₁₆ O ₇ p-Arbutin	C ₁₂ H ₁₈ O ₇ 2,3:4,6-Di-O-isopropylidene-2-keto-L-gulonic acid	C ₁₂ H ₂₂ O Cyclododecanone
C ₁₂ H ₁₇ ClN ₄ OS Vitamine B1	C ₁₂ H ₁₈ O ₈ S ₆ 2,2,5,5-Tetrakis-(carboxymethylthio)-1,4-dithiane	C ₁₂ H ₂₂ O ₂ 4-tert-Butylcyclohexyl acetate (cis + trans) Cycloundecanecarboxylic acid 2-Ethylhexyl methacrylate (-)-Menthyl acetate
C ₁₂ H ₁₇ N 4-Benzylpiperidine N-Phenylcyclohexylamine	C ₁₂ H ₁₉ IN ₂ 1,1-Dimethyl-4-phenyl-piperazinium iodide	C ₁₂ H ₂₂ O ₃ Caproic anhydride 2-Ethylbutyric anhydride (-)-Menthylacetic acid
C ₁₂ H ₁₇ NO 4-Azafluorenone 1-Benzyl-3-hydroxypiperidine 1-Benzyl-4-hydroxypiperidine N,N-Diethyl-m-tolamide	C ₁₂ H ₁₉ N 2,6-Diisopropylaniline	C ₁₂ H ₂₂ O ₄ Diethyl suberate Dimethyl sebacate Dodecanedioic acid
C ₁₂ H ₁₇ NO ₂ L-Valine benzylester toluene-4-sulfonate	C ₁₂ H ₁₉ NO ₂ N-Phenyldiisopropanolamine	C ₁₂ H ₂₂ O ₅ Cyclohexanone peroxide Di-tert-amyl-dicarbonate
C ₁₂ H ₁₇ NO ₃ Vanillic acid diethylamide	C ₁₂ H ₂₀ BK Potassium tri-sec.-butylboronhydride	C ₁₂ H ₂₂ O ₆ Dibutyl-L-tartrate 1,2:5,6-Di-O-isopropylidene-D-mannitol
C ₁₂ H ₁₇ N ₃ O ₃ L-Leucine-4-nitroanilide 1,2,3-Tris-(2-cyanoethoxy)-propane	C ₁₂ H ₂₀ BrNO (-)-N,N-Dimethylephedrinium bromide	C ₁₂ H ₂₂ O ₁₁ D(+)-Cellobiose Gentiobiose D(+)-Lactose Lactulose D(+)-Maltose D(+)-Melibiose Palatinose D(+)-Sucrose D(+)-Trehalose D(+)-Turanose
C ₁₂ H ₁₈ 5-tert-Butyl-m-xylene 1,5,9-Cyclododecatriene trans,cis,cis-1,5,9-Cyclododecatriene trans,trans,cis-1,5,9-Cyclododecatriene trans,trans,trans-1,5,9-Cyclododecatriene 1,3-Diisopropylbenzene Hexamethylbenzene Hexylbenzene 1,2,4-Triethylbenzene 1,3,5-Triethylbenzene 1,2,4-Trivinylcyclohexane	C ₁₂ H ₂₀ Br ₂ O 2,12-Dibromocyclododecanone	C ₁₂ H ₂₂ O ₁₂ Lactobionic acid
C ₁₂ H ₁₈ ClNO ₂ Benzoyl choline chloride	C ₁₂ H ₂₀ Ca ₃ O ₁₄ tri-Calciumdicitrate	C ₁₂ H ₂₃ BrO ₂ 2-Bromododecanoic acid Ethyl 2-bromodecanoate
C ₁₂ H ₁₈ ClN ₄ O ₄ PS Coccarboxylase	C ₁₂ H ₂₀ N ₂ 1,10-Dicyanodecane Tremorine dihydrochloride	C ₁₂ H ₂₃ ClO Lauroyl chloride
C ₁₂ H ₁₈ N ₂ O Oxotremorine	C ₁₂ H ₂₀ N ₂ O ₆ Ethylenediamine-N,N'-diacetic acid-N,N'-dipropionic acid	C ₁₂ H ₂₃ N (-)-3-Aminomethylpinane hydrochloride (+)-3-Aminomethylpinane hydrochloride Dicyclohexylamine Dicyclohexylamine nitrite Lauronitrile
C ₁₂ H ₁₈ N ₂ O ₂ Isophorone diisocyanate	C ₁₂ H ₂₀ O 2-Cyclohexylcyclohexanone	C ₁₂ H ₂₃ NO Lauro lactam
C ₁₂ H ₁₈ N ₂ O ₄ 3,5-Dimethoxy-α,α-dimethylbenzyloxy-carbonyl hydrazide	C ₁₂ H ₂₀ O ₂ Ethyl chrysanthemumate Linalyl acetate	C ₁₂ H ₂₃ NO ₄ L-Aspartic acid-di-tert-butyl ester Dbs-salt
C ₁₂ H ₁₈ N ₂ O ₆ BOC-L-alanine hydroxysuccinimide ester	C ₁₂ H ₂₀ O ₃ Ethyl cyclononanone-2-carboxylate	C ₁₂ H ₂₃ NO ₄ S ₂ BOC-S-tert-butylmercapto-L-cysteine
C ₁₂ H ₁₈ N ₄ O ₇ P ₂ S Coccarboxylase	C ₁₂ H ₂₀ O ₄ Dibutyl maleate Traumatic acid	C ₁₂ H ₂₄ N ₃ OP Tristetramethylenephosphoric acid triamide
C ₁₂ H ₁₈ O 1,5,9-Cyclododecatriene-monoxide	C ₁₂ H ₂₀ O ₆ Diacetone-D-glucose	
	C ₁₂ H ₂₀ O ₇ Triethyl citrate	
	C ₁₂ H ₂₁ NO 1-Morpholinocyclooctene	
	C ₁₂ H ₂₁ NO ₂ 11-Cyanoundecanoic acid	
	C ₁₂ H ₂₂ Cyclododecene (cis + trans)	
	C ₁₂ H ₂₂ F ₆ N ₆ OP ₂ Benzotriazol-1-yl-oxy-tris(dimethylamino) phosphonium hexafluorophosphate	

C ₁₂ H ₂₄ Cyclododecane 1-Dodecene	C ₁₂ H ₂₇ N Dihexylamine Dodecylamine Tributylamine	C ₁₃ H ₈ N ₃ O ₇ 2,4,7-Trinitro-9-fluorenone
C ₁₂ H ₂₄ Br ₂ 1,12-Dibromododecane	C ₁₂ H ₂₇ O ₃ P Tributyl phosphite	C ₁₃ H ₆ Cl ₆ O ₂ 2,2'-Methylenebis(3,4,6-trichlorophenol)
C ₁₂ H ₂₄ N ₂ 1,2-Dipiperidinoethane	C ₁₂ H ₂₇ O ₄ P Tributylphosphate Triisobutyl phosphate	C ₁₃ H ₇ ClOS 2-Chlorothioxanthone
C ₁₂ H ₂₄ N ₂ O ₃ L-Leucyl-L-leucine DL-Leucyl-DL-leucine	C ₁₂ H ₂₇ P Tributylphosphine	C ₁₃ H ₈ N ₄ O ₄ Bis(4-nitrophenyl) carbodiimide
C ₁₂ H ₂₄ O 2-Dodecanone 4-Dodecanone	C ₁₂ H ₂₇ Sb Tributylantimony	C ₁₃ H ₈ O 9-Fluorenone
C ₁₂ H ₂₄ O ₂ Ethyl decanoate Lauric acid Methyl undecanoate	C ₁₂ H ₂₈ AlLiO ₃ Lithium aluminum tri-tert-butoxy hydride	C ₁₃ H ₈ OS Thioxanthone
C ₁₂ H ₂₄ O ₃ 2-Hydroxydodecanoic acid	C ₁₂ H ₂₈ BF ₄ N Tetrapropylammoniumtetrafluoroborate Potassium-tri-sec-butyl borohydride	C ₁₃ H ₈ O ₂ Xanthone
C ₁₂ H ₂₄ O ₄ Sn Dibutyltin diacetate	C ₁₂ H ₂₈ BLi Lithium tri-sec-butylborohydride	C ₁₃ H ₉ Br 9-Bromofluorene
C ₁₂ H ₂₄ O ₆ 18-Crown-6	C ₁₂ H ₂₈ BrN Tetrapropylammonium bromide	C ₁₃ H ₉ BrO 4-Bromobenzophenone
C ₁₂ H ₂₄ O ₁₄ Calcium gluconate	C ₁₂ H ₂₈ IN Tetrapropylammonium iodide	C ₁₃ H ₉ ClO Biphenyl-4-carbonyl chloride 4-Chlorobenzophenone
C ₁₂ H ₂₅ Br 1-Bromododecane	C ₁₂ H ₂₈ INO ₄ Tetrapropylammonium (meta)periodate	C ₁₃ H ₉ N Acridine Acridine hydrochloride Benzo(f)quinoline Benzo(h)quinoline Phenanthridine
C ₁₂ H ₂₅ Cl 1-Chlorododecane	C ₁₂ H ₂₈ N ₂ 1,12-Diaminododecane	C ₁₃ H ₉ NO Acridone 1-Hydroxyacridine
C ₁₂ H ₂₅ Cl ₃ Si Dodecyl trichlorosilane	C ₁₂ H ₂₈ O ₂ 2,2-Dipentoxyp propane	C ₁₃ H ₉ NO ₂ 2-Nitrofluorene
C ₁₂ H ₂₅ LiO ₄ S Lithium laurylsulfate	C ₁₂ H ₂₈ O ₄ Ti Tetraisopropyl orthotitanate Tetrapropyl orthotitanate	C ₁₃ H ₉ N ₃ OS 1-(2-Thiazolylazo)-2-naphthol
C ₁₂ H ₂₆ Dodecane	C ₁₂ H ₂₈ O ₄ Zr Zirconium propylate	C ₁₃ H ₉ N ₃ O ₅ Alizarin Yellow 2 G Alizarin Yellow R
C ₁₂ H ₂₆ O 1-Dodecanol 2-Dodecanol	C ₁₂ H ₂₈ Sn Tributyltin hydride	C ₁₃ H ₁₀ Fluorene
C ₁₂ H ₂₆ O ₃ Diethylene glycol dibutyl ether	C ₁₂ H ₂₉ NO Tetrapropylammonium hydroxide	C ₁₃ H ₁₀ ClNO 2-Amino-5-chlorobenzophenone Diphenylcarbamoyl chloride
C ₁₂ H ₂₆ O ₄ S Sodium laurylsulfate	C ₁₂ H ₃₀ Br ₂ N ₂ Hexamethonium bromide	C ₁₃ H ₁₀ ClNO ₂ 5-Chlorosalicylanilide
C ₁₂ H ₂₆ O ₂₀ P ₂ 6-Phosphogluconate Barium salt	C ₁₂ H ₃₀ Cl ₂ N ₂ Hexamethonium chloride	C ₁₃ H ₁₀ Cl ₂ α,4-Dichlorodiphenylmethane
C ₁₂ H ₂₆ S 1-Dodecanethiol	C ₁₂ H ₃₀ I ₂ N ₂ Hexamethonium iodide	C ₁₃ H ₁₀ Cl ₂ O 4,4'-Dichlorobenzhydrol
C ₁₂ H ₂₇ Al Tributylaluminum Triisobutylaluminum	C ₁₂ H ₃₀ N ₃ P Tris(diethylamino)phosphine	C ₁₃ H ₁₀ N ₂ 6(5)-Aminoacridine hydrochloride
C ₁₂ H ₂₇ AlO ₃ Aluminum-sec-butylate Aluminum-tert-butylate	C ₁₂ H ₃₆ B ₂ F ₈ N ₆ OP ₂ Bates' Reagent	C ₁₃ H ₁₀ N ₂ O ₃ 4'-Hydroxyphenylazo-2-benzoic acid
C ₁₂ H ₂₇ BO Tributyl borate	C ₁₂ O ₁₂ Os ₃ tri-Osmium dodecacarbonyl	C ₁₃ H ₁₀ N ₄ O ₃ 4-(Benzylamino)-7-nitro-benzofurazane
C ₁₂ H ₂₇ ClSn Tributyltin chloride	C ₁₂ O ₁₂ Rh ₄ tetra-Rhodium dodecacarbonyl	C ₁₃ H ₁₀ O Benzophenone
C ₁₂ H ₂₇ FSn Tributyltin fluoride	C ₁₂ O ₁₂ Ru ₃ tri-Ruthenium dodecacarbonyl	
	C ₁₃ H ₄ N ₄ O ₉ 2,4,5,7-Tetranitrofluorenone	

- C₁₃H₁₀O₂
 Biphenyl-2-carboxylic acid
 Biphenyl-4-carboxylic acid
 4-Hydroxybenzophenone
 3-Phenoxy-benzaldehyde
 Phenyl benzoate
 Xanthidrol
- C₁₃H₁₀O₃
 2,4-Dihydroxybenzophenone
 Diphenyl carbonate
 2-Phenoxybenzoic acid
 Phenyl salicylate
- C₁₃H₁₁BrO
 4-Bromobenzhydrol
- C₁₃H₁₁Cl
 Chlorodiphenylmethane
- C₁₃H₁₁N
 2-Aminofluorene
- C₁₃H₁₁NO
 2-Aminobenzophenone
 4-Aminobenzophenone
 Benzanilide
 Benzophenonoxime
- C₁₃H₁₁NOS
 3-Methoxyphenothiazine
 Salicylideneamino-2-thiophenol
- C₁₃H₁₁NO₂
 Benzyl nicotinate
 N-Phenylanthranilic acid
 Salicylanilide
- C₁₃H₁₁N₃
 Proflavine monohydrochloride
- (C₁₃H₁₁N₃)₂
 Proflavine hemisulfate
- C₁₃H₁₁N₃O₄
 4-(4-Nitro-phenylazo)-orcine
- C₁₃H₁₂
 Diphenylmethane
- C₁₃H₁₂CIN₃O
 Variamine Blue salt B
- C₁₃H₁₂N₂
 Benzophenone hydrazone
 2,7-Diaminofluorene
 N,N'-Diphenylformamidine
- C₁₃H₁₂N₂O
 N,N'-Diphenylurea
 Harmine
 4-Methoxyacetobenzene
- C₁₃H₁₂N₂S
 4-Dimethylamino-1-naphthyl isothiocyanate
 N,N'-Diphenylthiourea (sym.)
- C₁₃H₁₂N₄O
 Diphenylcarbazone
- C₁₃H₁₂N₄O₂
 Lumiflavine
- C₁₃H₁₂N₄S
 Dithizone
- C₁₃H₁₂O
 2-Benzylphenol
 4-Benzylphenol
 Diphenylcarbinol
 3-Phenoxytoluene
- C₁₃H₁₂O₂
 Hydroquinone monobenzyl ether
 Methyl 1-naphthylacetate
 3-Phenoxybenzyl alcohol
- C₁₃H₁₂S₂
 Formaldehyde diphenylmercaptal
- C₁₃H₁₃N
 Aminodiphenylmethane
 2-Aminodiphenylmethane
- C₁₃H₁₃NO
 2-Amino-4-phenylanisol
 4-Benzoyloxylaniline
- C₁₃H₁₃NO₅
 N-tert-Butoxycarbonyloxy-phthalimide
 3-(4-Hydroxyphenyl)propionic acid
 N-hydroxysuccinimide ester
- C₁₃H₁₃NS
 2-(Benzylthio)-aniline
- C₁₃H₁₃N₃
 N,N'-Diphenylguanidine (sym.)
- C₁₃H₁₃OP
 Methoxydiphenylphosphine
- C₁₃H₁₃P
 Methyl diphenylphosphine
- C₁₃H₁₄
 4,6,8-Trimethylazulene
- C₁₃H₁₄CINO₃S
 2-Chloro-N-methylpyridinium toluene-4-sulfonate
- C₁₃H₁₄FNO₃S
 2-Fluoro-N-methylpyridinium toluene-4-sulfonate
- C₁₃H₁₄N₂
 2-Benzylamino-4-methylpyridine
 N-Benzyl-N-phenylhydrazine hydrochloride
 4,4'-Diaminodiphenylmethane
- C₁₃H₁₄N₂O
 Harmaline
 Harmaline hydrochloride
- C₁₃H₁₄N₂O₃
 2-(BOC-oxymino)-2-phenylacetonitrile
- C₁₃H₁₄N₄O
 sym.-Diphenylcarbazide
- C₁₃H₁₅NO₄
 Z-L-proline
 Z-D-proline
- C₁₃H₁₅NO₅
 Z-L-hydroxyproline
- C₁₃H₁₅NO₆
 Z-L-glutamic acid
- C₁₃H₁₅N₃O₃
 Glycyl-L-tryptophan
 Glycyl-DL-tryptophan
- C₁₃H₁₆
 1-Phenyl-1-heptyne
- C₁₃H₁₆CINOS
 3-Benzyl-5-(2-hydroxyethyl)-4-methylthiazolium chloride
- C₁₃H₁₆N₂O₂
 Melatonin
 L-Tryptophan ethyl ester
- C₁₃H₁₆N₂O₅
 Z-L-alanylglycine
 Z-L-glutamine
 Z-glycyl-L-alanine
- C₁₃H₁₆N₂O₆
 BOC-glycine 4-nitrophenyl ester
- C₁₃H₁₆O
 Bezoyl cyclohexane
- C₁₃H₁₆O₂
 Phenylpropargylaldehyde diethyl acetal
- C₁₃H₁₆O₄
 Diethyl phenylmalonate
- C₁₃H₁₇NO₄
 N-Acetyl-L-tyrosine ethyl ester
 Z-L-methionine
 Z-L-valine
- C₁₃H₁₇N₅O₄
 2',3'-O-Isopropylideneadenosine
- C₁₃H₁₆N₂O₅S
 NPS-O-tert-butyl-L-serine Dcha-salt
- C₁₃H₁₆N₄O₃
 Nα-Benzoyl-L-arginine
- C₁₃H₁₆O₂
 4-Hexylbenzoic acid
- C₁₃H₁₆O₃
 3,5-Diisopropylsalicylic acid
- C₁₃H₁₆O₇
 D-Salicin
- C₁₃H₁₆O₉
 1,2,3,5-Tetra-O-acetyl-β-D-ribofuranose
 1,2,3,4-Tetra-O-acetyl-β-D-ribopyranose
- C₁₃H₁₆N
 N-(2-Phenylethyl)-piperidine
- C₁₃H₁₆NO
 2,5-Dimethyl-4-morpholinomethylphenol hydrochloride
- C₁₃H₁₆NO₂
 L-Isoleucine-benzyl ester toluene-4-sulfonate
 L-Leucine benzyl ester toluene-4-sulfonate
 L-Phenylalanine tert-butyl ester hydrochloride
 L-Phenylalanine-tert-butyl ester
 Dibenzenesulfimide salt
- C₁₃H₁₆NO₃
 L-Tyrosine tert-butyl ester
- C₁₃H₁₆NO₄S
 Ethyl O-mesitylenesulfonyl acethydroxamate

- C₁₃H₁₉N₆O₂
N α -Benzoyl-L-argininamide
hydrochloride
- C₁₃H₂₀O
 α -Ionone
 β -Ionone
- C₁₃H₂₀O₃
2-Nonen-1-ylsuccinic anhydride
Triethyl orthobenzoate
- C₁₃H₂₀O₄
Diethyl diallylmalonate
- C₁₃H₂₁N₂O₈P
Thymidine-5'-monophosphate
Disodium salt
- C₁₃H₂₂BF₄N
Benzyltriethylammonium tetrafluoro-
borate
- C₁₃H₂₂BrN
Benzyltriethylammonium bromide
- C₁₃H₂₂CIN
Benzyltriethylammonium chloride
- C₁₃H₂₂IN
Benzyltriethylammonium iodide
- C₁₃H₂₂N₂
N,N'-Dicyclohexylcarbodiimide
- C₁₃H₂₂N₂O₄
6-D-Ribitylamino-3,4-dimethylaniline
monohydrochloride
- C₁₃H₂₂O
Geranylacetone
- C₁₃H₂₄N₂
3,3,6,9,9-Pentamethyl-2,10-diazabi-
cyclo[4.4.0]dec-1-ene
- C₁₃H₂₄N₂O
N,N'-Dicyclohexylurea (sym.)
- C₁₃H₂₄N₂S
N,N'-Dicyclohexylthiourea (sym.)
- C₁₃H₂₄O
Dicyclohexylmethanol
- C₁₃H₂₄O₂
Cyclododecanecarboxylic acid
- C₁₃H₂₄O₄
Diethyl azelate
Di-tert-butyl glutarate
Dimethyl undecanedioate
Tridecanedioic acid
- C₁₃H₂₅NO₄
L-Glutamic acid-di-tert-butyl ester
Dbs salt
- C₁₃H₂₆
1-Tridecene
- C₁₃H₂₆N₂
Bis-(3-methylpiperidino)methane
4,4'-Diaminodicyclohexylmethane
- C₁₃H₂₆O
Hydroxymethylcyclododecane
Tridecanone
2-Tridecanone
7-Tridecanone
- C₁₃H₂₆O₂
Methyl laurate
Tridecanoic acid
- C₁₃H₂₇Br
1-Bromotridecane
- C₁₃H₂₇NO₂
12-Methylaminolauric acid
- C₁₃H₂₈
Tridecane
- C₁₃H₂₈O
1-Tridecanol
2-Tridecanol
- C₁₃H₂₈O₃
Tributyl orthoformate
- C₁₃H₂₈O₄
Tetraisopropyl orthocarbonate
- C₁₃H₂₉N
Tridecylamine
- C₁₃H₂₉NO₂
N,N-Dimethylformamide dineopentyl
acetal
- C₁₃H₂₉O₄P
Tridecylphosphoric acid
- C₁₃H₃₀BrN
Butyltripropylammonium bromide
Tributyl methylammonium bromide
- C₁₃H₃₀CIN
Tributyl methylammonium chloride
- C₁₃H₃₀IN
Tributylmethylammonium iodide
- C₁₃H₃₁NO
Tributylmethylammonium hydroxide
- C₁₄H₆O₈
Ellagic acid
- C₁₄H₇ClO₂
2-Chloroanthraquinone
- C₁₄H₈N₂O₈S₂
5,5'-Dithio-bis(2-nitro-benzoic acid)
- C₁₄H₈O₂
Anthraquinone
9,10-Phenanthrenequinone
- C₁₄H₈O₄
Alizarin
1,4-Dihydroxyanthraquinone
1,8-Dihydroxyanthraquinone
- C₁₄H₈O₅S
Anthraquinone-2-sulfonic acid Sodium
salt
- C₁₄H₈O₆
Quinalizarin
- C₁₄H₈O₇S
Alizarin Red S
- C₁₄H₈O₈S₂
Anthraquinone-2,6-disulfonic acid
Disodium salt
- C₁₄H₈Br
9-Bromoanthracene
9-Bromophenanthrene
- C₁₄H₉ClD₃
2-(4-Chlorbenzoyl) benzoic acid
- C₁₄H₉CIN₂
4-Chloro-2-phenylquinazoline
- C₁₄H₉Cl₂NO
6,9-Dichloro-2-methoxyacridine
- C₁₄H₉Cl₅
1,1-Bis-(4-chlorophenyl)-2,2,2-trichloro
ethane
- C₁₄H₉NO₂
1-Aminoanthraquinone
2-Aminoanthraquinone
Morphantridine-6,11-dione
9-Nitroanthracene
- C₁₄H₁₀
Anthracene
Diphenylacetylene
Phenanthrene
- C₁₄H₁₀Cl₄
1-(2-Chlorophenyl)-1-(4-chlorophenyl)-
2,2-dichloroethane
- C₁₄H₁₀F₃NO₂
N-(3-Trifluoromethyl-phenyl)-anthranilic
acid
- C₁₄H₁₀N₂O
2,5-Diphenyl-1,3,4-oxadiazole
- C₁₄H₁₀N₂O₂
1,4-Diaminoanthraquinone
2,6-Diaminoanthraquinone
- C₁₄H₁₀O
Anthrone
- C₁₄H₁₀O₂
Benzil
- C₁₄H₁₀O₃
Benzoic anhydride
2-Benzoylbenzoic acid
Xanthene-9-carboxylic acid
- C₁₄H₁₀O₄
Benzoyl peroxide
Diphenic acid
- C₁₄H₁₀O₄S₂
2,2'-Dithiodibenzoic acid
- C₁₄H₁₀O₅
Methylfluorone sulfate
- C₁₄H₁₁BrO
4-Phenylphenacylbromide
- C₁₄H₁₁CIN₂O₂
4-(Phenylazo)benzyl chloroformate
- C₁₄H₁₁ClO
Desyl chloride
- C₁₄H₁₁N
Diphenylacetoneitrile
Iminostilbene
2-Phenylindole
N-Vinylcarbazole monomer
- C₁₄H₁₁NO₂
3-Phenoxy-benzaldehyde cyanohydrine

C ₁₄ H ₁₂ 9,10-Dihydroanthracene 1,1-Diphenylethylene (asym.) trans-Stilbene 4-Vinylbiphenyl	C ₁₄ H ₁₄ N ₂ O ₄ S N-Methylphenazonium methyl sulfate	C ₁₄ H ₁₆ N ₂ O ₄ S Dansylglycine Piperidine salt
C ₁₄ H ₁₂ Cl ₂ N ₄ O ₂ Fast Blue B salt	C ₁₄ H ₁₄ N ₂ O ₆ Z-glycine-hydroxysuccinimide ester	C ₁₄ H ₁₆ N ₂ O ₈ S ₂ 3,3'-Dithio-dipropionic acid-bis- (N-hydroxysuccinimide ester)
C ₁₄ H ₁₂ N ₂ 5,6-Dimethyl-1,10-phenanthroline Neocuproine Neocuproine hydrochloride	C ₁₄ H ₁₄ N ₄ Benzil dihydrazone	C ₁₄ H ₁₆ N ₂ O ₁₂ S Bis(2-[succinimidooxycarbonyloxy] ethyl)sulfone
C ₁₄ H ₁₂ N ₂ O ₂ Diphenylglyoxime Glyoxal-bis-2-hydroxyanil	C ₁₄ H ₁₄ N ₄ O ₄ S Fast Garnet GBC salt	C ₁₄ H ₁₆ O 9-Fluorenylmethanol
C ₁₄ H ₁₂ N ₄ O BAO	C ₁₄ H ₁₄ O Benzyl ether	C ₁₄ H ₁₆ O ₄ Diethyl benzylidenemalonate
C ₁₄ H ₁₂ N ₄ O ₄ 4-(4-Methoxybenzylamino)-7-nitro- benzofurazane	C ₁₄ H ₁₄ OS Benzyl sulfoxide	C ₁₄ H ₁₆ O ₆ S ₂ Toluene-4-sulfonic acid Barium salt
C ₁₄ H ₁₂ O 4-Acetylbiphenyl Deoxybenzoin Diphenylacetaldehyde 4-Hydroxystilbene	C ₁₄ H ₁₄ O ₂ α-Naphthyl butyrate	C ₁₄ H ₁₇ N α-Phenylcyclohexylacetonitrile
C ₁₄ H ₁₂ O ₂ Benzyl benzoate Benzoin Diphenylacetic acid 4-Methoxybenzophenone	C ₁₄ H ₁₄ O ₃ 2-Pivaloyl-1,3-indandione	C ₁₄ H ₁₇ NO ₃ 2-Ethoxy-1-ethoxycarbonyl-1,2- dihydroquinoline
C ₁₄ H ₁₂ O ₃ Benzilic acid 2-Hydroxy-4-methoxybenzophenone	C ₁₄ H ₁₄ O ₄ Diallyl phthalate	C ₁₄ H ₁₇ N ₃ O ₃ L-Alanyl-L-tryptophan
C ₁₄ H ₁₂ O ₄ Dimethyl naphthalene-2,6-dicarboxylate	C ₁₄ H ₁₄ O ₅ S ₂ 4-Toluenesulfonic anhydride	C ₁₄ H ₁₆ N ₂ N,N,N',N'-Tetramethyl-1,8-naphthalene diamine
C ₁₄ H ₁₂ O ₅ Khellin	C ₁₄ H ₁₄ S Benzyl sulfide	C ₁₄ H ₁₆ N ₂ O ₅ Ketone-Moschus Z-L-alanyl-L-alanine
C ₁₄ H ₁₃ N 9-Ethylcarbazole Iminodibenzyl	C ₁₄ H ₁₄ S ₂ Benzyl disulfide	C ₁₄ H ₁₆ N ₂ O ₆ BOC-L-alanine-4-nitrophenyl ester
C ₁₄ H ₁₃ NO ₂ Benzilamide α-Benzoin oxime	C ₁₄ H ₁₅ INO ₄ S N-(Iodoacetaminoethyl)-1-naphthyl- amine-5-sulfonic acid	C ₁₄ H ₁₆ N ₂ O ₆ S NPS-L-aspartic acid 4-tert-butyl ester Dcha-salt
C ₁₄ H ₁₃ N ₂ O ₃ N-Acetyl-DL-tryptophan	C ₁₄ H ₁₅ N Dibenzylamine 1,2-Diphenylethylamine	C ₁₄ H ₁₆ O ₂ α-Phenylcyclohexylacetic acid
C ₁₄ H ₁₄ CIN ₃ 3,6-Diamino-10-methylacridinium chloride	C ₁₄ H ₁₅ NO ₃ tert-Butyl-8-quinolinyll carbonate	C ₁₄ H ₁₆ O ₄ Diethyl benzylmalonate rac-6-Hydroxy-2,5,7,8-tetramethyl- chroman-2-carboxylic acid
C ₁₄ H ₁₄ CIN ₃ O ₂ S 4-(N,N-Dimethylamino)-azobenzene-4'- sulfonyl chloride	C ₁₄ H ₁₅ NO ₄ N-Phthaloyl-L-leucine	C ₁₄ H ₁₆ O ₆ Dimethylglycol phthalate
C ₁₄ H ₁₄ CIN ₃ S Azure A	C ₁₄ H ₁₅ NO ₄ S ₂ Di-toluene-4-sulfimide	C ₁₄ H ₁₆ BrO ₉ Acetobromo-α-D-glucose
C ₁₄ H ₁₄ N ₂ Naphazolin nitrate	C ₁₄ H ₁₅ NO ₄ Methyl Calceine Blue	C ₁₄ H ₁₆ NO 2-Benzyl-5,6-dihydro-4,4,6-trimethyl-1,3- (4H)-oxazine
C ₁₄ H ₁₄ N ₂ O 2-Methyl-1,2-di-(3-pyridyl)-1-propanone	C ₁₄ H ₁₅ N ₃ Dimethyl Yellow	C ₁₄ H ₁₆ NO ₄ BOC-L-phenylalanine Z-L-isoleucine Dicyclohexylamine salt Z-L-leucine
C ₁₄ H ₁₄ N ₂ O ₂ S S-Z-2-mercapto-4,6-dimethylpyrimidine	C ₁₄ H ₁₆ N ₃ O ₃ S Methyl Orange	C ₁₄ H ₁₆ NO ₆ BOC-L-tyrosine
C ₁₄ H ₁₄ N ₂ O ₃ 4,4'-Azoxyanisole	C ₁₄ H ₁₅ N ₃ O ₄ Na-Z-L-histidine	C ₁₄ H ₁₆ N ₅ O ₆ Na,Zω-nitro-L-arginine
	C ₁₄ H ₁₆ AsN ₃ O ₃ 4-Dimethylaminoazobenzene-4'-arsonic acid hydrochloride	C ₁₄ H ₂₀ N ₂ O ₃ S L-Methionyl-L-phenylalanine
	C ₁₄ H ₁₆ BNO 2-Aminoethyl diphenylborate	C ₁₄ H ₂₀ N ₂ O ₄ Na-Z-L-lysine Ne-Z-L-lysine
	C ₁₄ H ₁₆ N ₂ 4,4'-Diaminobiphenyl o-Tolidine	
	C ₁₄ H ₁₆ N ₂ O ₂ 3,3'-Dimethoxybenzidine	
	C ₁₄ H ₁₆ N ₂ O ₂ S Dansylaziridine	

- C₁₄H₂₀N₂O₅S
NPS-O-tert-butyl-L-threonine Dcha-salt
- C₁₄H₂₀N₂O₆
BOC-L-proline-hydroxysuccinimide ester
- C₁₄H₂₀N₄O₃
N α -Benzoyl-L-arginine methyl ester hydrochloride
- C₁₄H₂₀N₄O₄
N α -Z-L-arginine
- C₁₄H₂₀O₂
3,5-Di-tert-butyl-o-benzoquinone
- C₁₄H₂₀O₈
Tetraethylethylene tetracarboxylate
- (C₁₄H₂₁NO₁₀)_n
Hyaluronic acid
Hyaluronic acid Potassium salt
- C₁₄H₂₁N₃O₃
N ϵ -Z-L-lysineamide hydrochloride
- C₁₄H₂₂
Octylbenzene
- C₁₄H₂₂N₂O₆
BOC-L-valine-hydroxysuccinimide ester
- C₁₄H₂₂N₂O₆S
BOC-L-methionine-hydroxysuccinimide ester
- C₁₄H₂₂N₂O₈
trans-1,2-Diaminocyclohexane
N,N,N',N'-tetraacetic acid
- C₁₄H₂₂N₄O₂
Bis(cyclohexanone)oxaldihydrazone
- C₁₄H₂₂N₄O₄S
N α -Tosylsulfonyl-L-arginine methyl ester hydrochloride
- C₁₄H₂₂O
2,4-Di-tert-butylphenol
2,6-Di-tert-butyl-phenol
Irone
4-tert-Octyl-phenol
- C₁₄H₂₂O₂
2,5-Di-tert-butylhydroquinone
- C₁₄H₂₂O₈
Triethylene glycol dimethacrylate
- C₁₄H₂₃N
2,6-Di-tert-butyl-4-methylpyridine
- C₁₄H₂₃N₃O₁₀
Diethylenetriamine pentaacetic acid
Diethylenetriamine pentaacetic acid
Calcium salt
- C₁₄H₂₃N₃O₂P
Dibutoxyphenylphosphine
- C₁₄H₂₄ClN₂O₃S
N α -p-Tosyl-L-lysine chloromethylketone hydrochloride
- C₁₄H₂₄N₂O₈
1,6-Diaminohexane-N,N,N',N'-tetraacetic acid
- C₁₄H₂₄N₂O₁₀
Ethyleneglycol-bis-(2-aminoethyl)-tetraacetic acid
- C₁₄H₂₄N₂S₂
N,N'-Dicyclohexyldithiooxamide (sym.)
- C₁₄H₂₄O₄
1,4-Dioxacyclohexadecane-5,16-dione
- C₁₄H₂₆
1,3-Tetradecadiene
- C₁₄H₂₆N₃O
N-Cyclohexyl-N'-(2-[4-morpholinyl]-ethyl)-carbodiimide-mts
- C₁₄H₂₆N₄O₁₁P₂
Cytidine-5'-diphosphocholine Sodium salt
- C₁₄H₂₆O₃
Oenanthalic anhydride
- C₁₄H₂₆O₄
Dibutyl adipate
Diethyl sebacate
Tetradecanedioic acid
- C₁₄H₂₇BrO₂
2-Bromotetradecanoic acid
Ethyl 2-bromododecanoate
- C₁₄H₂₇N
N-Ethyldicyclohexylamine
Myristonitrile
- C₁₄H₂₇N₃O₄
L-Leucylglycyl-L-leucine
- C₁₄H₂₈
1-Tetradecene
7-Tetradecene
- C₁₄H₂₈O₂
Ethyl laurate
Myristic acid
Methyl tridecanoate
- C₁₄H₂₈O₃
2-Hydroxytetradecanoic acid
- C₁₄H₂₈O₁₆
Calcium heptagluconate
- C₁₄H₂₉Br
1-Bromotetradecane
- C₁₄H₂₉F
1-Fluorotetradecane
- C₁₄H₃₀
Tetradecane
- C₁₄H₃₀Cl₂N₂O₄
Succinylcholine chloride
- C₁₄H₃₀O
1-Tetradecanol
- C₁₄H₃₁N
1-Dimethylaminododecane
N,N-Dimethyl-dodecylamine-N-oxide
Tetradecylamine
- C₁₄H₃₂N₂O₄
N',N',N'-Tetrakis(2-hydroxypropyl)-ethylenediamine
- C₁₅H₁₀
4,5-Methylenephenanthrene
- C₁₅H₁₀O
Anthracene-9-carboxaldehyde
5-Dibenzosuberone
Diphenylcyclopropanone
Phenanthren-9-carboxaldehyde
- C₁₅H₁₀O₂
Anthracene-9-carboxylic acid
3-Benzalpthalide
Flavone
2-Methyl-anthraquinone
2-Phenyl-1,3-indanedione
- C₁₅H₁₀O₃
1,2-Diphenylvinylene carbonate
2-Hydroxymethylantraquinone
- C₁₅H₁₀O₄
Chrysophanic acid
- C₁₅H₁₀O₅
Apigenin
Emodin
Galangin
- C₁₅H₁₀O₆
Fisetin
Kaempferol
- C₁₅H₁₀O₇
Morin
- C₁₅H₁₀O₈
Myricetin
- C₁₅H₁₁Cl
9-Chloromethylantracene
- C₁₅H₁₁ClO₂
9-Fluorenylmethyl-chloroformate
- C₁₅H₁₁ClO₃
2-Benzyloxymethylbenzoyl chloride
- C₁₅H₁₁ClO₅
Pelargonidine chloride
- C₁₅H₁₁I₄NO₄
L-Thyroxine
D-Thyroxine
DL-Thyroxine
L-Thyroxine Sodium salt
D-Thyroxine Sodium salt
- C₁₅H₁₁N
2,3-Diphenylacrylonitrile
- C₁₅H₁₁NO
2,5-Diphenyloxazole
- C₁₅H₁₁N₃
2,2':6',2''-Terpyridine
3,2':6',3''-Terpyridine
4,2':6',4''-Terpyridine
- C₁₅H₁₁N₃O
1-(2-Pyridylazo)-2-naphthol
- C₁₅H₁₂
2-Methylantracene
- C₁₅H₁₂I₃NO₄
3,3',5-Triiodo-L-thyronine
3,3',5-Triiodo-L-thyronine Sodium salt
- C₁₅H₁₂N₂O₂
5,5-Diphenylhydantoin
- C₁₅H₁₂N₂O₅
Gallocyanine

- C₁₅H₁₂N₄
Pyridine-2-carboxaldehyde-2-quinolyl-hydrazone
- C₁₅H₁₂O
Benzalacetophenone
5-Dibenzosuberanol
5-Dibenzosuberone
9-Hydroxymethylanthracene
- C₁₅H₁₂O₂
3-Benzylphthalide
Dibenzoylmethane
- C₁₅H₁₂O₄
2-Benzoyloxymethylbenzoic acid
- C₁₅H₁₂O₆
Dihydrofisetin
- C₁₅H₁₂O₇
(+)-Dihydroquercetin
- C₁₅H₁₃ClO
5-Chlorodibenzosuberane
- C₁₅H₁₃I₂NO₄
3,5-Diiodo-L-thyronine
3,5-Diiodo-DL-thyronine
- C₁₅H₁₃NO
2-Acetamidofluorene
5-Benzyloxyindole
- C₁₅H₁₃N₃O₆
DNP-L-phenylalanine
- (C₁₅H₁₄ClN₂O₂)₂
Fast Violet B salt
- C₁₅H₁₄N₂O₄S
NPS-L-phenylalanine Dcha-salt
- C₁₅H₁₄N₄S
4-Dimethylamino-azobenzene-4'-isothiocyanate
- C₁₅H₁₄O
5-Dibenzosuberol
1,3-Diphenyl-2-propanone
- C₁₅H₁₄O₂
Bibenzyl-2-carboxylic acid
3,3-Diphenylpropionic acid
- C₁₅H₁₄O₂S
4,4'-Dimethoxythiobenzophenone
- C₁₅H₁₄O₃
4-Benzyloxy-3-methoxybenzaldehyde
4,4-Dimethoxy-benzophenone
Methyl benzilate
- C₁₅H₁₄O₆
(+)-Catechin
(±)-Catechin
(-)-Epicatechin
- C₁₅H₁₆BF₄S
Cyclopropyldiphenylsulfonium tetrafluoroborate
- C₁₅H₁₆NO₄
DL-Thyronine
- C₁₅H₁₆NO₆
Diethyl phthalimidomalonate
- C₁₅H₁₆NS
Sodium dibenzylthiocarbamate
- C₁₅H₁₆N₃O₂
Methyl Red
Methyl Red Sodium salt
- C₁₅H₁₆
2,2-Diphenylpropane
- C₁₅H₁₆ClN₃S
Azure B
Toluidine Blue
- C₁₅H₁₆N₂O₃S
S-PMZ-2-mercapto-4,6-dimethyl-pyrimidine
- C₁₅H₁₆O
2-(4-Biphenyl)-2-propanol
- C₁₅H₁₆O₂
4,4'-Isopropylidenediphenol
- C₁₅H₁₆O₃
4,4'-Dimethoxybenzhydrol
- C₁₅H₁₆O₉
Esculin
- C₁₅H₁₇ClN₄
Neutral Red
- C₁₅H₁₇N
N-Benzyl-N-ethylaniline
- C₁₅H₁₇N₃
N,N'-Di-o-tolylguanidine (sym.)
- C₁₅H₁₈
Guaiazulene
- C₁₅H₁₈N₂O₄S
Dansyl-L-alanine Piperidine salt
- C₁₅H₁₈N₂O₅
Z-glycyl-L-proline
- C₁₅H₁₈N₂O₅S
Dansyl-L-serine Piperidine salt
Dansyl-L-cysteic acid bis-Cyclohexyl-amine salt
- C₁₅H₁₈N₂O₁₀
1,5-Bis(succinimidooxycarbonyloxy)-pentane
- C₁₅H₂₀N₂O₅
Z-glycyl-L-valine
- C₁₅H₂₀N₂O₅S
Z-glycyl-L-methionine
- C₁₅H₂₀N₂O₆S
NPS-L-glutamic acid 5-tert-butyl ester
Dcha-salt
- C₁₅H₂₀O₄
Absciscic acid
- C₁₅H₂₁AlO₆
Aluminum acetylacetonate
- C₁₅H₂₁CrO₆
Chromium acetylacetonate
- C₁₅H₂₁FeO₆
Ferric acetylacetonate
- C₁₅H₂₁NO₄S
BOC-S-benzyl-L-cysteine
BOC-S-benzyl-L-cysteine dicyclohexyl-amine salt
- C₁₅H₂₁NO₅
BOC-O-benzyl-L-serine
BOC-O-benzyl-D-serine Dicyclohexyl-amine salt
N-Z,O-tert-butyl-L-serine Dicyclohexyl-amine salt
- C₁₅H₂₁N₃O₂
Eserine
Eserine salicylate
- C₁₅H₂₁O₆V
Vanadium(III)-acetylacetonate
- C₁₅H₂₂
Longicyclene
- C₁₅H₂₂N₂O₄
N-ε-Z-L-lysine methyl ester
hydrochloride
- C₁₅H₂₂N₄O₃
N-α-Benzoyl-L-arginine ethyl ester
hydrochloride
- C₁₅H₂₂O₂
4-Octylbenzoic acid
- C₁₅H₂₂O₃
3,5-Di-tert-butyl-4-hydroxybenzoic acid
- C₁₅H₂₂O₅
Octyl gallate
- C₁₅H₂₂O₆
Cobaltic-acetylacetonate
- C₁₅H₂₃ClO₂S
2,4,6-Triisopropylbenzenesulfo chloride
- C₁₅H₂₃NO₄
Actidione
- C₁₅H₂₄
(+)-Aromadendrene
(-)-trans-Caryophyllene
α-Humulene
Isolongifolene
(+)-Longifolene
Nonylbenzene
1,3,5-Triisopropylbenzene
Trimethyl-1,5,9-cyclododecatriene
- C₁₅H₂₄N₂O₆
BOC-L-isoleucine hydroxysuccinimide ester
BOC-L-leucine hydroxysuccinimide ester
- C₁₅H₂₄O
2,6-Di-tert-butyl-p-cresol
4-Nonylphenol
- C₁₅H₂₆N₂
Sparteine sulfate
- C₁₅H₂₆O
(+)-Cedrol
(+)-Farnesol
(-)-Globulol
cis-Nerolidol
- C₁₅H₂₆O₆
Tributylin
- C₁₅H₂₇NO₃S
Tetraethylammonium-toluene-4-sulfonate

- C₁₆H₂₇N₃O
2,4,6-Tris[(dimethylamino)methyl]-phenol
- C₁₆H₂₈O
Cyclopentadecanone
- C₁₆H₂₈O₂
Dodecyl acrylate
- C₁₆H₃₀N₂
2,2-Bis(4-aminocyclohexyl)propane
- C₁₆H₃₀O
8-Pentadecanone
- C₁₆H₃₀O₂
Methyl myristate
Pentadecanoic acid
- C₁₆H₃₀O₃
Propylene glycol Monolaurat
- C₁₆H₃₁Br
1-Bromopentadecane
- C₁₆H₃₂
Pentadecane
- C₁₆H₃₂O
1-Pentadecanol
- C₁₆H₃₃N
N,N-Diisobutyl-3-amino-2,4-dimethyl-pentane
Pentadecylamine
Triisopentylamine
Tripentylamine
- C₁₆H₈N₂O₄S
N,N-Thiobis-phthalimide
- C₁₆H₁₀
Fluoranthene
Pyrene
- C₁₆H₁₀ClN₃O₅S
N.N.C.D.-Reagent
- C₁₆H₁₀N₂O₂
Indigo
- C₁₆H₁₀N₂O₈S₂
Indigocarmine
- C₁₆H₁₀N₄O₁₁S₂
Nitrazine Yellow
- C₁₆H₁₀O₃
Diphenylmaleic anhydride
- C₁₆H₁₁ClN₄O₁₀S₂
Gallion
- C₁₆H₁₁N
1-Aminopyrene
- C₁₆H₁₁N₃O₂
N-(p-[2-Benzimidazolyl]phenyl)-maleimide
- C₁₆H₁₁N₃O₃
4-(4-Nitrophenylazo)-1-naphthol
- C₁₆H₁₁N₃O₁₀S₂
Chromotrope 2B
- C₁₆H₁₂
2-Phenylnaphthalene
- C₁₆H₁₂NO₃S
8-Anilidonaphthalene-1-sulfonic acid
Ammonium salt
- C₁₆H₁₂N₂O₄S
Orange I
Orange II
- C₁₆H₁₂N₂O₇S₂
Orange G
- C₁₆H₁₂N₂O₈S₂
Chromotrop 2 R
- C₁₆H₁₂N₂O₁₁S₃
Sulfanilic acid azochromotrop
- C₁₆H₁₂N₄O₉S₂
Tartrazine
- C₁₆H₁₂O₆
Hematein
Kaempferide
- C₁₆H₁₃AsN₂O₁₀S₂
Thorin
- C₁₆H₁₃AsN₂O₁₁S₂
Neothorin
- C₁₆H₁₃N
N-Phenyl-2-naphthylamine
- C₁₆H₁₃NO₃S
8-Anilidonaphthalene-1-sulfonic acid
Ammonium salt
6-(4-Toluidino)-2-naphthalenesulfonic acid
- C₁₆H₁₃N₃
α-Naphthyl Red hydrochloride
- C₁₆H₁₄
9,10-Dimethylantracene
trans,trans-1,4-Diphenyl-1,3-butadiene
- C₁₆H₁₄NO₃S
8-Anilidonaphthalene-1-sulfonic acid
Magnesium salt
- C₁₆H₁₄N₂O₄
N-(7-Dimethylamino-4-methyl-3-coumarinyl)-maleimide
- C₁₆H₁₄N₂O₆
Z-Glycine-4-nitro-phenyl ester
- C₁₆H₁₄O₂
Benzyl cinnamate
- C₁₆H₁₄O₄
Dimethyl biphenyl-4,4'-dicarboxylate
- C₁₆H₁₄O₅
Brasiline
- C₁₆H₁₄O₆
Hematoxylin
- C₁₆H₁₅NO₃
S(-)-N-(α-Methylbenzyl)phthalic acid
monoamide
R(+)-N-(α-Methylbenzyl)-phthalic acid
monoamide
- C₁₆H₁₆O₂
Benzoin ethyl ether
- C₁₆H₁₆O₄
p-Anisoin
- C₁₆H₁₇BrO₆
6-Bromo-2-naphthyl-α-D-galactopyranoside
6-Bromo-2-naphthyl-β-D-galactopyranoside
6-Bromo-2-naphthyl-β-D-glucopyranoside
- C₁₆H₁₇ClN₄O₂S
Methylene Green
- C₁₆H₁₇NO₂
L-Phenylalanine benzyl ester
hydrochloride
L-Phenylalanine benzyl ester toluene-4-sulfonate
- C₁₆H₁₇NO₃
O-Benzyl-L-tyrosine
- C₁₆H₁₈ClN₃S
Methylene Blue
- C₁₆H₁₈N₂O₆S
Dansyl-L-aspartic acid Dicyclohexylamine salt
- C₁₆H₁₈N₄O₇S₂
Orange G Ammonium salt
- C₁₆H₁₈O₄S₄
Ethylenebis-5-thiotosylate
- C₁₆H₁₈O₉
Chlorogenic acid Potassium salt
- C₁₆H₁₉ClSi
tert-Butyldiphenylchlorosilane
- C₁₆H₁₉OP
Butoxydiphenylphosphine
- C₁₆H₂₀F₁₇NO₃S
Heptafluorooctanesulfonic acid
Tetraethylammonium salt
- C₁₆H₂₀N₂
N,N'-Dibenzylethylenediamine diacetate (sym.)
3,3',5,5'-Tetramethylbenzidine
3,3',5,5'-Tetramethylbenzidine dihydrochloride
- C₁₆H₂₀N₂O
L-Leucine-2-naphthylamide
hydrochloride
- C₁₆H₂₀N₂O₄
BOC-L-tryptophan
- C₁₆H₂₀N₂O₅
Z-L-prolyl-L-alanine
- C₁₆H₂₀N₃O₅S
Dansyl-L-asparagine Piperidine salt
Dansyl-L-threonine Piperidine salt
- C₁₆H₂₀O₆
1-Naphthyl-β-D-glucopyranoside
- C₁₆H₂₁NO₆
BOC-L-aspartic acid 4-benzyl ester
Z-L-aspartic acid 4-tert-butyl ester

- C₁₆H₂₂N₂O₅
 Z-glycyl-L-isoleucine
 Z-glycyl-L-leucine
 Z-L-isoleucylglycine
 Z-L-leucyl-glycine
- C₁₆H₂₂O₄
 Dibutyl phthalate
- C₁₆H₂₂O₁₀S
 β-D-Glucosyl pentaacetate
- C₁₆H₂₂O₁₁
 β-D-Galactose pentaacetate
 α-D-Glucose pentaacetate
 β-D-Glucose pentaacetate
- C₁₆H₂₃NO₅
 BOC-O-benzyl-L-threonine
 N-Z,O-tert-butyl-L-threonine Dicyclohexylamine salt
- C₁₆H₂₃NO₅S
 BOC-D-(4-methoxybenzyl)-L-cysteine
 Dicyclohexylamine salt
- C₁₆H₂₃NSi₂
 1,3-Diphenyl-1,1,3,3-tetramethyl
 disilazane
- C₁₆H₂₄Ni
 Bis(1,5-octadienyl)-nickel-O
- C₁₆H₂₅N₃O₆
 Nα,N(im)-di-BOC-L-histidine
 Dicyclohexylamine salt
- C₁₆H₂₆O₃
 2-Dodecenylsuccinic anhydride
 C₁₆ Juvenile hormone
- C₁₆H₂₆O₇
 Tetraethylene glycol dimethacrylate
- C₁₆H₂₆N₂O₈S₂
 Nα,Nα'-di-BOC-L-cystine
- C₁₆H₂₆O
 Farnesyl methyl ether
- C₁₆H₂₆O₆Ti
 Diisopropoxy-titanium-bis-(acetyl-
 acetate)
- C₁₆H₃₀N₂O₆
 Nα,Nε-di-BOC-L-lysine Dicyclohexyl-
 amine salt
- C₁₆H₃₀O₂
 Lauryl methacrylate
 Palmitoleic acid
- C₁₆H₃₀O₄
 Diethyl dodecanedioate
 Hexadecanedioic acid
 Dibutyl suberate
- C₁₆H₃₁BrO₂
 2-Bromohexadecanoic acid
 Ethyl 2-bromomyristate
- C₁₆H₃₁ClO
 Palmitoyl chloride
- C₁₆H₃₂
 1-Hexadecene
- C₁₆H₃₂BN
 Tetrabutylammonium borohydride
- C₁₆H₃₂N₃O₁₀P
 4-Nitrophenylphosphate bis(2-ethyl-2-
 amino-1,3-propanediol) salt
- C₁₆H₃₂O
 2-Hexadecanone
- C₁₆H₃₂O₂
 Butyl laurate
 Ethyl myristate
 Methyl pentadecanoate
 Palmitic acid
- C₁₆H₃₂O₃
 2-Hydroxyhexadecanoic acid
- C₁₆H₃₂O₅
 Aleuritic acid
- C₁₆H₃₃Br
 1-Bromohexadecane
- C₁₆H₃₃Cl
 1-Chlorohexadecane
- C₁₆H₃₃F
 1-Fluorohexadecane
- C₁₆H₃₃NO
 N,N-Diethyldodecanoic acid amide
- C₁₆H₃₄
 Hexadecane
- C₁₆H₃₄O
 1-Hexadecanol
 2-Hexadecanol
 Octyl ether
- C₁₆H₃₄S
 Octyl sulfide
 2-Hexadecanol
 tert-Hexadecylmercaptan
- C₁₆H₃₅N
 Bis-(2ethylhexyl)amine
 Dioctylamine
 Hexadecylamine
- C₁₆H₃₅O₄P
 Bis(2-ethylhexyl)phosphoric acid
- C₁₆H₃₆BF₄N
 Tetrabutylammonium tetrafluoroborate
- C₁₆H₃₆BrN
 Dodecylethyldimethylammonium
 bromide
 Tetrabutylammonium bromide
- C₁₆H₃₆ClN
 Tetrabutylammonium chloride
- C₁₆H₃₆NO₄
 Tetrabutylammonium perchlorate
- C₁₆H₃₆FN
 Tetrabutylammoniumfluoride
- C₁₆H₃₆F₆NP
 Tetrabutylammonium hexafluoro-
 phosphate
- C₁₆H₃₆IN
 Tetrabutylammonium iodide
- C₁₆H₃₆INO₄
 Tetrabutylammonium (meta)periodate
- C₁₆H₃₆N₂O₂
 Tetrabutylammonium nitrite
- C₁₆H₃₆N₂O₃
 Tetrabutylammonium nitrate
- C₁₆H₃₆O₄Ti
 Tetrabutyl-orthotitanate monomer
- C₁₆H₃₆Sn
 Tetrabutyltin
- C₁₆H₃₇NO
 Tetrabutylammonium hydroxide
- C₁₆H₃₇NO₄S
 Tetrabutylammonium hydrogensulfate
- C₁₆H₃₈Br₂N₂
 Decamethonium bromide
- C₁₆H₃₈I₂N₂
 Decamethonium iodide
- C₁₆O₁₆Rh₆
 Hexa-Rhodium hexadecacarbonyl
- C₁₇H₁₀O₄
 Fluram Roche
- C₁₇H₁₂
 11H-Benzo[a]-fluorene
 11H-Benzo[b]-fluorene
- C₁₇H₁₂N₂O₆S₂
 G-Orange
- C₁₇H₁₂O₂
 Phenyl 1-hydroxy-2-naphthoate
- C₁₇H₁₂O₆
 Aflatoxin B1
- C₁₇H₁₃NO₂
 Naphthol AS
- C₁₇H₁₃NO₄
 N-Phthaloyl-L-phenylalanine
- C₁₇H₁₄NO₅P
 Naphthol AS-phosphate
- C₁₇H₁₄N₂O₅S
 Calmagite
- C₁₇H₁₄N₄O₆
 DNP-L-tryptophan
- C₁₇H₁₄O₆
 Aflatoxin B2
- C₁₇H₁₄O₇
 Aflatoxin G2
- C₁₇H₁₅NO₄
 FMOC-glycine
- C₁₇H₁₅N₃O₄S
 NPS-L-tryptophan Dicyclohexylamine
 salt
- C₁₇H₁₆ClNO₃
 p-Tosyl-L-phenylalanine chloromethyl-
 ketone
- C₁₇H₁₆N₂O₆
 Z-L-alanine-4-nitrophenyl ester
- C₁₇H₁₆N₂O₆S
 NPS-L-arpartic acid 4-benzyl ester
 Dicyclohexylamine salt
- C₁₇H₁₇NO₄
 Z-L-phenylalanine
 Z-DL-phenylalanine

C ₁₇ H ₁₈ BrNO (-)-N-Benzyl-N-methylephedrinium bromide	C ₁₇ H ₂₂ N ₂ O 4,4'-Bis(dimethylamino)diphenylcarbinol	C ₁₇ H ₃₈ F ₃ NO ₃ S Tetrabutylammonium trifluoromethane- sulfonate
(C ₁₇ H ₁₈ ClN ₃ O ₃) ₂ Fast Blue BB salt	C ₁₇ H ₂₂ N ₂ O ₄ S Dansyl-L-valine Piperidine salt	C ₁₇ H ₃₈ N ₂ Tetrabutylammonium cyanide
C ₁₇ H ₁₈ NO ₆ S ₃ Dansyl-S-carboxymethylcysteine Dicyclohexylamine salt	C ₁₇ H ₂₂ N ₂ O ₄ S ₂ Dansyl-L-methionine Piperidine salt	C ₁₇ H ₃₈ N ₂ O Tetrabutylammoniumcyanate
C ₁₇ H ₁₈ N ₂ O ₂ N,N'-Disalicylidene-1,3-diamino-propane	C ₁₇ H ₂₂ O ₄ 6,7-Epoxygeranyl-3,4-methylenedioxy- phenyl ether	C ₁₇ H ₃₈ N ₂ S Tetrabutylammonium rhodanide
C ₁₇ H ₁₈ N ₂ O ₆ Z-L-proline-hydroxy-succinimide ester	C ₁₇ H ₂₃ NO ₃ Atropine Atropine sulfate	C ₁₇ H ₃₈ O 1-Heptadecanol
C ₁₇ H ₁₈ O ₄ 4,4-Bis(4-hydroxyphenyl)-n-valeric acid	C ₁₇ H ₂₃ NO ₅ N-Z,O-tert-butyl-L-hydroxyproline Dcha salt	C ₁₇ H ₃₈ O ₄ S Tergitol 7
C ₁₇ H ₁₉ ClN ₂ 1-(4-Chlorodiphenylmethyl)-piperazine	C ₁₇ H ₂₃ NO ₆ BOC-L-glutamic acid-γ-benzyl ester Dicyclohexylamine salt Z-L-glutamic acid-5-tert-butyl ester Z-L-glutamic acid-5-tert-butyl ester Dicyclohexylamine salt	C ₁₇ H ₃₇ N N,N-Dioctylmethylaniline
C ₁₇ H ₁₉ ClN ₂ O Pyronin G	C ₁₇ H ₂₄ N ₂ O ₅ Z-L-isoleucyl-L-alanine	C ₁₇ H ₃₈ BrN Tributylpentylammonium bromide
C ₁₇ H ₁₉ ClN ₂ S Thioflavine T	C ₁₇ H ₂₄ N ₂ O ₆ BOC-L-isoleucine-4-nitrophenyl ester	C ₁₇ H ₃₉ BN ₂ Tetrabutylammonium cyanoborohydride
C ₁₇ H ₁₉ NO ₃ Piperine	C ₁₇ H ₂₄ O ₃ Menthyl salicylate	C ₁₇ H ₃₉ NO ₃ S Tetrabutylammonium methanesulfonate
C ₁₇ H ₁₉ N ₃ O ₂ Ethyl Red	C ₁₇ H ₂₅ NO ₄ 2-Isobutoxy-1-isobutoxycarbonyl-1,2- dihydroquinoline	C ₁₈ H ₁₀ N ₅ O ₆ Pikryl-N-aminocarbazyl
C ₁₇ H ₁₉ N ₅ O ₈ BOC-N(im)-2,4-dinitrophenyl-L-histidine	C ₁₇ H ₂₅ N ₃ O ₂ S Dansylcadaverine 1-(2,4,6-Triisopropylbenzenesulfonyl)-1H 1,2,4-triazole	C ₁₈ H ₁₀ O ₆ Hydrindantin
C ₁₇ H ₂₀ ClN ₃ Acridine Orange	C ₁₇ H ₂₅ N ₃ O ₅ Glycyl-L-leucyl-L-tyrosine	C ₁₈ H ₁₂ Benz(a)anthracene Benz(b)anthracene Triphenylene
C ₁₇ H ₂₀ N ₂ O Michlers ketone	C ₁₇ H ₂₅ N ₃ O ₆ S NPS-Nε-BOC-L-lysine Dicyclohexyl- amine salt	C ₁₈ H ₁₂ N ₂ 2,2'-Biquinoline
C ₁₇ H ₂₀ N ₂ O ₄ S Dansyl-L-proline Piperidine salt	C ₁₇ H ₂₇ NO ₃ Pelargonic acid vanillylamide	C ₁₈ H ₁₂ N ₃ O ₁₀ P Tris(4-nitrophenyl) phosphate
C ₁₇ H ₂₀ N ₂ O ₅ N _α -BOC-N _{in} -formyl-L-tryptophan Dicyclohexylamine salt	C ₁₇ H ₃₁ N ₃ O N,N'-Dicyclohexyl-4-morpholinecar- boxamidine	C ₁₈ H ₁₂ N ₅ O ₆ 1,1-Diphenyl-2-picrylhydrazyl
C ₁₇ H ₂₀ N ₂ O ₆ Z-L-valine-hydroxy-succinimide ester	C ₁₇ H ₃₂ O ₂ Methyl palmitoleate	C ₁₈ H ₁₂ N ₆ 2,4,6-Tri-(2-pyridyl)-S-triazine
C ₁₇ H ₂₀ N ₂ O ₆ S Dansyl-L-glutamic acid Dicyclohexyl- amine salt	C ₁₇ H ₃₃ N Heptadecanoic acid nitrile	C ₁₈ H ₁₂ O ₆ Sterigmatocystin
C ₁₇ H ₂₀ N ₄ O ₆ Vitamine B2	C ₁₇ H ₃₄ O 9-Heptadecanone	C ₁₈ H ₁₃ N ₅ O ₆ 2,2-Diphenyl-1-picrylhydrazyl
C ₁₇ H ₂₁ ClN ₄ O Brillant Cresyl Blue	C ₁₇ H ₃₄ O ₂ Ethyl pentadecanoate Heptadecanoic acid Isopropyl myristate Methyl palmitate	C ₁₈ H ₁₄ p-Terphenyl
C ₁₇ H ₂₁ NO ₂ N,N-Dimethylformamide dibenzyl-acetal	C ₁₇ H ₃₅ Br 1-Bromoheptadecane	C ₁₈ H ₁₄ N ₆ O ₂ Cadion
C ₁₇ H ₂₁ NO ₄ Scopolamine	C ₁₇ H ₃₆ Heptadecane	C ₁₈ H ₁₄ O ₃ Cinnamic anhydride
C ₁₇ H ₂₁ N ₃ Auramine 0		C ₁₈ H ₁₄ O ₇ O-Acetylsalicylic anhydride
C ₁₇ H ₂₁ N ₃ O ₅ S Dansyl-L-glutamine Dicyclohexylamine salt		C ₁₈ H ₁₄ O ₈ Dibenzoyl-D-tartaric acid Dibenzoyl-L-tartaric acid
C ₁₇ H ₂₁ N ₄ O ₉ P Riboflavine-5'-monophosphate Sodium salt		C ₁₈ H ₁₅ As Triphenylarsine
C ₁₇ H ₂₂ N ₂ 4,4'-Methylenebis-N,N-dimethylaniline		C ₁₈ H ₁₅ AsN ₆ O ₈ S Sulfarsazene
		C ₁₈ H ₁₅ AsO Triphenylarsine oxide

C ₁₈ H ₁₈ CINO ₅ P Naphthol AS-TR-phosphate	C ₁₈ H ₁₇ N ₅ S Thiazolylblue formazane	C ₁₈ H ₂₈ N ₂ O ₂ S 1-(2,4,6-Triisopropylbenzenesulfonyl)-imidazole
C ₁₈ H ₁₅ CIN ₄ Phenosafranine	C ₁₈ H ₁₈ N ₂ O ₂ L-Tryptophan benzyl ester hydrochloride	C ₁₈ H ₂₆ O ₂ 19-Nortestosterone
C ₁₈ H ₁₅ CIS Triphenylsulfonium chloride	C ₁₈ H ₁₈ N ₂ O ₆ S NPS-L-glutamic acid 5-benzyl ester Dicyclohexylamine salt	C ₁₈ H ₂₇ NO ₃ Capsaicine natural
C ₁₈ H ₁₅ CISi Triphenyl chlorosilane	C ₁₈ H ₁₈ N ₈ Bismarck Brown G	C ₁₈ H ₂₈ IN ₃ O ₂ S 1-Dansylamido-3-trimethylammonium-propane iodide
C ₁₈ H ₁₅ CISn Triphenyltin chloride	C ₁₈ H ₁₉ NO ₄ L-Aspartic acid dibenzyl ester-toluene-4-sulfonate N-Benzoyl-L-tyrosine ethyl ester BPOC-glycine Dicyclohexylamine salt	C ₁₈ N ₂₈ N ₄ O ₆ S N α -BOC-N- ω -tosyl-L-arginine
C ₁₈ H ₁₅ N Triphenylamine	C ₁₈ H ₁₉ NO ₄ S N-Z,S-benzyl-L-cysteine	C ₁₈ H ₂₉ O ₆ V Vanadiumhexacarbonyl diethylene glycol dimethylether Sodium salt complex
C ₁₈ H ₁₅ N ₂ O ₇ S ₂ Ponceau Xylidine	C ₁₈ H ₂₀ N ₂ O ₃ L-Phenylalanyl-L-phenylalanine	C ₁₈ H ₃₀ Dodecylbenzene
C ₁₈ H ₁₅ N ₃ O ₃ S Methanil Yellow Tropaeoline 00	C ₁₈ H ₂₀ N ₂ O ₆ Ethylenediamine-N,N'-bis-(2-hydroxy-phenylacetic acid)	C ₁₈ H ₃₀ N ₄ O ₁₂ Triathylenetetramine-N,N,N',N'',N''',N'''' hexaacetic acid
C ₁₈ H ₁₅ N ₃ O ₄ 4-Methylumbelliferyl 4-Guanidino-benzoate hydrochloride	C ₁₈ H ₂₀ N ₄ O ₄ S N α -Dansyl-L-histidine	C ₁₈ H ₃₀ O 1,3,5-Tri-tert-butylbenzene 2,4,6-Tri-tert-butylphenol
C ₁₈ H ₁₅ N ₃ O ₈ S ₂ Azophloxine	C ₁₈ H ₂₂ N ₂ O ₆ BOC-L-phenylalanine-hydroxy-succinimide ester Z-L-isoleucine hydroxysuccinimide ester Z-L-leucine hydroxysuccinimide ester	C ₁₈ H ₃₀ O ₂ Linolenic acid
C ₁₈ H ₁₅ OP Triphenylphosphine oxide	C ₁₈ H ₂₂ O ₂ Estrone	C ₁₈ H ₃₀ O ₃ C ₁₈ -Juvenile hormone
C ₁₈ H ₁₅ O ₃ P Triphenyl phosphite	C ₁₈ H ₂₂ O ₄ Nordihydroguaiaretic acid	C ₁₈ H ₃₀ O ₃ S Dodecylbenzenesulfonic acid Sodium salt
C ₁₈ H ₁₅ O ₄ P Triphenyl phosphate	C ₁₈ H ₂₃ NO ₄ S ₂ N,N-Bis(4-tolylsulfonylmethyl)-ethylamine	C ₁₈ H ₃₂ O ₂ Linoleic acid
C ₁₈ H ₁₅ P Triphenylphosphine	C ₁₈ H ₂₃ N ₃ O ₆ S BOC-N(im)-tosyl-L-histidine Dicyclohexylamine salt	C ₁₈ H ₃₂ O ₁₆ D(+)-Melezitose
C ₁₈ H ₁₅ PS Triphenylphosphine sulfide	C ₁₈ H ₂₄ 2,6-Di-tert-butyl-napthalene	C ₁₈ H ₃₃ ClO Oleoyl chloride
C ₁₈ H ₁₅ PSe Triphenylphosphine selenide	C ₁₈ H ₂₄ N ₂ O ₄ S Dansyl-L-isoleucine Piperidine salt Dansyl-L-leucine Piperidine salt	C ₁₈ H ₃₃ NO ₄ S 4-Picoline-laurylsulfate
C ₁₈ H ₁₅ Sb Triphenylantimony	C ₁₈ H ₂₄ N ₂ O ₅ Z-L-prolyl-L-valine	C ₁₈ H ₃₄ N ₂ O ₁₀ Calcium-D-pantothenate
C ₁₈ H ₁₆ 1,6-Diphenyl-1,3,5-hexatriene	C ₁₈ H ₂₄ N ₂ O ₆ Z-L-prolyl-L-methionine	C ₁₈ H ₃₄ O ₂ Elaidic acid Oleic acid natural Petroselinic acid Potassium oleate
C ₁₈ H ₁₆ BrN ₅ S Thiazolyl Blue Tetrazolium bromide	C ₁₈ H ₂₄ N ₂ O ₆ BOC-L-leucine-4-nitrophenyl ester	C ₁₈ H ₃₄ O ₃ Ricinoleic acid
C ₁₈ H ₁₆ NO ₅ P Naphthol AS-D-phosphate	C ₁₈ H ₂₄ O ₂ β -Estradiol 19-Nor-4-androstene-3,17-dione	C ₁₈ H ₃₄ O ₄ Dibutyl sebacate
C ₁₈ H ₁₆ NO ₆ P Naphthol AS-OL-phosphate	C ₁₈ H ₂₄ O ₃ Estriol	C ₁₈ H ₃₅ AgO ₂ Silver stearate
C ₁₈ H ₁₆ N ₂ N,N'-Diphenyl-1,4-phenylenediamine	C ₁₈ H ₂₅ N ₃ O ₆ Z-L-isoleucylglycylglycine	C ₁₈ H ₃₅ ClO Stearoyl chloride
C ₁₈ H ₁₆ N ₂ O Indophenol blue	C ₁₈ H ₂₆ N ₅ O ₄ S N α -Dansyl-L-arginine	C ₁₈ H ₃₆ 1-Octadecane
C ₁₈ H ₁₆ OSi Hydroxytriphenylsilane		C ₁₈ H ₃₆ N ₂ O ₆ 4,7,13,16,21,24-Hexaoxa-1,10-diaza bicyclo(8,8,8)-hexacosane
C ₁₈ H ₁₆ O ₇ (-)-Usnic acid (+)-Usnic acid		
C ₁₈ H ₁₆ Si Triphenylsilane		
C ₁₈ H ₁₇ NO ₄ FMOC-L-alanine		

C ₁₈ H ₃₆ O Oleyl alcohol	C ₁₉ H ₁₄ IN ₅ O ₂ Iodonitrotetrazoliumviolet formazane	C ₁₉ H ₁₈ N ₂ O ₄ Z-L-tryptophan
C ₁₈ H ₃₆ O ₂ Ethyl palmitate Methyl heptadecanoate Stearic acid	C ₁₉ H ₁₄ O ₅ S Phenol Red Phenol Red Sodium salt	C ₁₉ H ₁₈ N ₂ O ₆ Fmoc-L-asparagine
C ₁₈ H ₃₆ O ₃ 12-Hydroxystearic acid	C ₁₉ H ₁₄ O ₇ S Pyrocatechol Violet	C ₁₉ H ₁₈ N ₂ O ₆ Z-L-proline 4-nitrophenyl ester
C ₁₈ H ₃₇ AlO ₄ Aluminum monostearate	C ₁₉ H ₁₄ O ₉ S Pyrogallol Red	C ₁₉ H ₁₉ NO ₆ S N,S-di-Z-L-cysteine
C ₁₈ H ₃₇ Br 1-Bromooctadecane	C ₁₉ H ₁₅ BF ₄ Trityltetrafluoroborate	C ₁₉ H ₁₉ N ₃ O ₇ Z-L-glutamine 4-nitrophenyl ester
C ₁₈ H ₃₇ Cl 1-Chlorooctadecane	C ₁₉ H ₁₅ BNNa Sodium cyanotriphenylborate	C ₁₉ H ₁₉ N ₇ O ₆ Folic acid
C ₁₈ H ₃₇ N Oleylamine	C ₁₉ H ₁₅ Br Bromotriphenylmethane	C ₁₉ H ₂₀ N ₂ O ₅ Z-glycyl-L-phenylalanine Z-L-phenylalanyl glycine
C ₁₈ H ₃₇ NO Stearamide	C ₁₉ H ₁₅ Cl Triphenylchloromethane	C ₁₉ H ₂₀ N ₂ O ₆ Z-L-valine 4-nitrophenyl ester
C ₁₈ H ₃₇ NO ₂ 12-Hydroxystearic acid amide	C ₁₉ H ₁₅ ClN ₄ 2,3,5-Triphenyltetrazolium chloride	C ₁₉ H ₂₁ Br ₂ O ₅ S Bromophenol Red
C ₁₈ H ₃₈ Octadecane	C ₁₉ H ₁₅ Cl ₆ Sb Tritylhexachloroantimonate	C ₁₉ H ₂₁ Cl ₂ N ₃ O Acridine Mutagen ICR 191
C ₁₈ H ₃₈ O 1-Octadecanol	C ₁₉ H ₁₅ F ₆ P Tritylhexafluorophosphate	C ₁₉ H ₂₁ NO ₄ BPOC-L-alanine Dicyclohexylamine salt L-Glutamic acid dibenzylester toluene-4-sulfonate
C ₁₈ H ₃₈ S 1-Octadecanethiol	C ₁₉ H ₁₅ NO ₃ Naphthol AS-acetate	C ₁₉ H ₂₂ N ₂ O Cinchonidine Cinchonine
C ₁₈ H ₃₉ N Octadecylamine Trihexylamine	C ₁₉ H ₁₅ NO ₆ Alizarin-3-methylamino-diacetic acid	(C ₁₉ H ₂₂ N ₂ O) ₂ Cinchonidine sulfate
C ₁₈ H ₃₉ NO ₂ Tetrabutylammonium acetate	C ₁₉ H ₁₆ Triphenylmethane	C ₁₉ H ₂₂ N ₂ O ₅ S NPS-O-tert-butyl-L-tyrosine Dicyclohexylamine salt
C ₁₈ H ₄₂ OSn ₂ Bis-(tripropyltin)-oxide	C ₁₉ H ₁₆ KN ₃ O ₃ S Benzyl Orange	C ₁₉ H ₂₂ N ₆ O ₄ N α -Benzoyl-DL-arginine-4-nitroanilide hydrochloride
C ₁₉ H ₁₀ Br ₄ O ₅ S Bromophenol Blue Bromophenol Blue Sodium salt	C ₁₉ H ₁₆ N 1,3,5-Triphenyltetrazolium formazane	C ₁₉ H ₂₂ O 2,2',4,4',6,6'-Hexamethyl-benzophenone
C ₁₉ H ₁₁ NO ₇ S 2-(Methylsulfonyl)-ethyl-p-nitrophenyl carbonate	C ₁₉ H ₁₆ O Triphenylmethanol	C ₁₉ H ₂₂ O ₆ Gibberellin Gibberellic acid
C ₁₉ H ₁₁ NO ₈ S ₂ Quinoline Yellow	C ₁₉ H ₁₇ Br ₂ P Bromomethyltriphenylphosphonium bromide	C ₁₉ H ₂₃ NO 4-Diphenylmethoxy-1-methylpiperidine hydrochloride
C ₁₉ H ₁₂ Br ₂ O ₉ S Bromopyrogallol Red	C ₁₉ H ₁₇ Cl ₂ P (Chloromethyl)-triphenylphosphonium chloride	C ₁₉ H ₂₃ N ₇ O ₆ L-Tetrahydrofolic acid
C ₁₉ H ₁₂ Cl ₂ O ₅ S Chlorophenol Red	C ₁₉ H ₁₇ NO O-Trityl-hydroxylamine	C ₁₉ H ₂₄ N ₂ O ₂ Dibenzo-1,4-dioxo-8,12-diaza-cyclopentadeca-5,14-diene
C ₁₉ H ₁₂ O ₂ α -Naphthoflavone	C ₁₉ H ₁₇ P Diphenyl-4-tolylphosphine	C ₁₉ H ₂₄ O ₃ Adrenosterone
C ₁₉ H ₁₂ O ₅ 9-Phenyl-3-fluorone	C ₁₉ H ₁₈ BrP Methyltriphenylphosphonium bromide	C ₁₉ H ₂₆ O ₂ 1,4-Androstadiene-17 β -ol-3-one 4-Androsten-3,17-dione
C ₁₉ H ₁₃ ClIN ₅ O ₂ 2-(4-Iodophenyl)-3-(4-nitrophenyl)-5-phenyltetrazolium chloride	C ₁₉ H ₁₈ ClNO Cresyl Fast Violet	C ₁₉ H ₂₆ O ₃ 19-Hydroxyandrost-4-en-3,17-dione
C ₁₉ H ₁₃ NO 2-(1-Naphthyl)-5-phenyloxazole	C ₁₉ H ₁₈ ClN ₃ Parafuchsine	C ₁₉ H ₂₆ O ₇ Diacetoxyscirpenol
C ₁₉ H ₁₃ N ₃ O ₄ S Naphthylazoxine	C ₁₉ H ₁₈ IO ₃ P Methyltriphenoxyphosphonium iodide	
C ₁₉ H ₁₄ ClNO ₃ Naphthol AS chloroacetate	C ₁₉ H ₁₈ NO ₅ P Naphthol AS-MX-phosphate	

C ₁₉ H ₂₇ NO ₃ Tetrabenazine	C ₂₀ H ₄ Br ₄ Cl ₄ O ₅ Cyanosine	C ₂₀ H ₁₆ 1,12-Dimethylbenz(a)anthracene Triphenylethylene
C ₁₉ H ₂₉ N ₂ O ₅ Z-L-isoleucyl-L-valine	C ₂₀ H ₄ Cl ₄ I ₄ O ₅ Bengalrose B	C ₂₀ H ₁₆ ClNO ₃ Naphthol AS-D-chloroacetate Naphthol AS-TR-acetate
C ₁₉ H ₂₉ N ₂ O ₅ S Z-L-isoleucyl-L-methionine Z-L-leucyl-L-methionine Z-L-leucyl-L-valine	C ₂₀ H ₈ Br ₂ N ₂ O ₉ Eosine Scarlet	C ₂₀ H ₁₆ NP Cyanmethylen-triphenylphosphorane
C ₁₉ H ₂₉ N ₂ O ₆ N _α -BOC-N _ε -Z-L-lysine Dicyclohexyl-amine salt N _ε -BOC-N _α -Z-L-lysine Dicyclohexyl-amine salt	C ₂₀ H ₈ Br ₄ O ₅ Eosine Yellowish	C ₂₀ H ₁₆ N ₂ Naphthidine
C ₁₉ H ₂₈ O ₂ trans-Dehydroandrosterone Testosterone	C ₂₀ H ₈ I ₄ O ₅ Erythrosin extra Bluish	C ₂₀ H ₁₆ N ₄ Nitron
C ₁₉ H ₃₀ O ₂ Androstan-17β-ol-3-one cis-Androsterone trans-Androsterone	C ₂₀ H ₁₀ Br ₂ HgO ₆ Mercury dibromofluoresceine	C ₂₀ H ₁₆ N ₄ O ₅ S Eriochrome Red B
C ₁₉ H ₃₀ O ₆ Lauryl gallate Piperonyl butoxide	C ₂₀ H ₁₀ Br ₄ O ₁₀ S ₂ Bromosulfalein	C ₂₀ H ₁₆ N ₄ O ₆ S Zincon Disodium salt
C ₁₉ H ₃₂ O ₂ Methyl linolenate	C ₂₀ H ₁₀ Cl ₂ O ₅ 4',5'-Dichlorofluoresceine	C ₂₀ H ₁₆ O ₂ 4-(3-Pyrenyl)-butyric acid
C ₁₉ H ₃₄ BrN Benzyltributylammonium bromide	C ₂₀ H ₁₀ N ₂ O ₉ 4',5'-Dinitrofluoresceine	C ₂₀ H ₁₆ O ₃ p-Rosolic acid
C ₁₉ H ₃₄ ClN Benzyltributylammonium chloride	C ₂₀ H ₁₁ NO ₂ N-(3-Fluoroanthyl)-maleimide N-(3-Pyrenyl)maleinimide	C ₂₀ H ₁₆ O ₁₀ P ₂ Phenolphthaleinphosphate Pyridine salt
C ₁₉ H ₃₄ O ₂ Methyl linoleate	C ₂₀ H ₁₂ Benzo(a)pyrene Perylene	C ₂₀ H ₁₇ ClO 4-Methoxytriphenylchloromethane
C ₁₉ H ₃₆ O ₂ Methyl elaidate Methyl oleate natural	C ₂₀ H ₁₂ O ₄ S Thiofluoresceine	C ₂₀ H ₁₇ NO ₃ Naphthol AS-D-acetate
C ₁₉ H ₃₇ N Nonadecanenitrile	C ₂₀ H ₁₂ O ₆ Fluorescein (free acid) Fluorescein-Sodium	C ₂₀ H ₁₇ NO ₄ Naphthol AS-OL-acetate
C ₁₉ H ₃₇ NO Octadecyl isocyanate	C ₂₀ H ₁₃ NO ₅ Fluoresceinamine	C ₂₀ H ₁₇ NO ₆ Bicucullin
C ₁₉ H ₃₈ O 2-Nonadecanone	C ₂₀ H ₁₃ N ₃ O ₇ S Eriochrome Black T	C ₂₀ H ₁₇ OP Formylmethylenetriphenylphosphorane
C ₁₉ H ₃₈ O ₂ Ethyl heptadecanoate Isopropyl palmitate Methyl stearate Nonadecanoic acid	C ₂₀ H ₁₄ N ₂ O 2-(4-Biphenyl)-5-phenyl-1,3,4-oxadiazole	C ₂₀ H ₁₈ BrN ₃ Dimidium bromide
C ₁₉ H ₃₈ O ₄ L-α-Palmitin DL-α-Palmitin	C ₂₀ H ₁₄ N ₂ O ₂ N-(4-Anilino-1-naphthyl)-maleimide	C ₂₀ H ₁₈ BrP Triphenylvinylphosphonium bromide
C ₁₉ H ₃₉ BrN Tributylheptylammonium bromide	C ₂₀ H ₁₄ N ₂ O ₅ S Eriochrome Blue Black B Eriochrome Blue Black R	C ₂₀ H ₁₈ ClNO ₄ Berberine chloride
C ₁₉ H ₄₀ Nonadecane	C ₂₀ H ₁₄ N ₂ O ₁₁ S ₃ SNADNS	C ₂₀ H ₁₈ ClNO ₆ Ochratoxin A
C ₁₉ H ₄₀ O 2-Nonadecanol	C ₂₀ H ₁₄ N ₂ O ₁₅ S ₄ Beryllon II	C ₂₀ H ₁₈ ClOP (Formylmethyl)triphenylphosphonium chloride
C ₁₉ H ₄₀ O ₃ L-α-Hexadecylglycerol DL-α-Hexydecylglycerol β-Hexadecylglycerol	C ₂₀ H ₁₄ N ₄ O ₆ S ₂ 3-(2-Pyridyl)-5,6-diphenyl-1,2,4-triazine-4,4'-disulfonic acid Disodium salt	C ₂₀ H ₁₈ NO ₄ Berberine sulfate
C ₁₉ H ₄₂ BrN Hexadecyltrimethylammonium bromide	C ₂₀ H ₁₄ O 1,3-Diphenylisobenzofuran	C ₂₀ H ₁₈ O ₈ (+)-Di-O,O-p-toluoyl-D-tartaric acid (-)-Di-O,O-p-toluoyl-L-tartaric acid
	C ₂₀ H ₁₄ O ₂ 1,1'-Bi-2-naphthol	C ₂₀ H ₁₉ ClN ₄ Safranine T
	C ₂₀ H ₁₄ O ₂ S ₂ 6-Hydroxy-2-naphthyl disulfide	C ₂₀ H ₁₉ NO ₄ FMOC-L-proline
	C ₂₀ H ₁₄ O ₄ Diphenyl terephthalate Phenolphthalein	C ₂₀ H ₁₉ N ₃ O ₉ S ₃ Acid Fuchsine
		C ₂₀ H ₂₀ BrP Ethyltripenylphosphonium bromide

- C₂₀H₂₀ClOP
2-Hydroxyethyl-triphenylphosphonium chloride
- C₂₀H₂₀N₂O₆
FMOC-L-glutamine
- C₂₀H₂₀N₂O₄S₂
4,4'-Diaminostilbene-2,2'-disulfonic acid tetraacetic acid Sodium salt
- C₂₀H₂₁NO₄
FMOC-L-valine
- C₂₀H₂₁NO₄S
FMOC-L-methionine
- C₂₀H₂₁N₃O₅S
Nil Blue A
- C₂₀H₂₂N₂O₂
Gelsemine
- C₂₀H₂₂N₂O₅
BPOC-L-asparagine
Z-L-alanyl-L-phenylalanine
- C₂₀H₂₂N₂O₆
BOC-L-phenylalanine 4-nitrophenyl ester
Z-L-isoleucine 4-nitrophenyl ester
Z-L-leucine 4-nitrophenyl ester
- C₂₀H₂₂N₂O₁₁
Calcein Blue
- C₂₀H₂₂O₃
2-Phenylbutyric acid anhydride
- C₂₀H₂₃N₃O₄
Glycyl-L-phenylalanyl-L-phenylalanine
- C₂₀H₂₃N₃O₆
BOC-L-tryptophan-hydroxysuccinimide ester
- C₂₀H₂₃N₃O₈S
N α -NPS-N ϵ -Z-lysine Dicyclohexylamine salt
- C₂₀H₂₄Cl₃N₃O₂
Ergobasine-Chloroformadduct
- C₂₀H₂₄N₂O₂
Quinidine
Quinine
Quinine hydrochloride
Quinine sulfate
- C₂₀H₂₄N₂O₄S₂
L-Cystine dibenzyl ester dihydrochloride
- C₂₀H₂₄N₂O₈
Z-L-aspartic acid 4-tert-butyl-hydroxysuccinimide ester
- C₂₀H₂₄O₆
Dibenzo-18-crown-6
- C₂₀H₂₆NO₆
N-Homoveratroylhomoveratrylamine
- C₂₀H₂₆N₂O₂
Ajmaline Ethanol Adduct
Hydroquinidine
- C₂₀H₂₇NO₁₁
Amygdalin
- C₂₀H₂₈O
Vitamin A-aldehyde
- C₂₀H₂₈O₂
Vitamin A-acid
- C₂₀H₂₈O₈Zr
Zirconium acetylacetonate
- C₂₀H₃₀N₂O₆
Z-L-isoleucyl-L-isoleucine
Z-L-leucyl-L-isoleucine
Z-L-leucyl-L-leucine
- C₂₀H₃₀O
Vitamin A-alcohol
- C₂₀H₃₀O₂
Abietic acid
17 α -Methyltestosterone
- C₂₀H₃₁N
(+)-Dehydroabietylamine
(+)-Dehydroabietylamine acetate
- C₂₀H₃₂N₆O₁₂S₂
L-Glutathione oxydized
- C₂₀H₃₂O₂
Arachidonic acid
Epofenonane
- C₂₀H₃₄O₂
Ethyl linolenate
- C₂₀H₃₆O₂
Ethyl linoleate
- C₂₀H₃₆O₆
Dicyclohexano-18-crown-6
- C₂₀H₃₈O₂
Ethyl oleate
- C₂₀H₃₈O₇S
Bis(2-ethylhexyl) sulfosuccinate Sodium salt
- C₂₀H₄₀
1-Eicosene
- C₂₀H₄₀O
Phytol
- C₂₀H₄₀O₂
Arachidic acid
Ethyl stearate
Methyl nonadecanoate
- C₂₀H₄₀O₃
Ethylene glycol monostearate
- C₂₀H₄₂
Eicosane
- C₂₀H₄₂O
1-Eicosanol
- C₂₀H₄₄BrN
Tetrapentylammonium bromide
- C₂₀H₄₄IN
Tetrapentylammonium iodide
- C₂₁H₈BrP
Propargyltriphenylphosphonium bromide
- C₂₁H₁₁NO₅S
Fluorescein isothiocyanate
Fluorescein isothiocyanate Isomers I
- C₂₁H₁₄Br₄O₅S
Bromocresol Green
Bromocresol Green Sodium salt
- C₂₁H₁₆N₂O₇S
Calconcarboxylic acid
- C₂₁H₁₈N₃O₃S₃
Primuline
- C₂₁H₁₈
3-Methylcholanthrene (20)
- C₂₁H₁₈Br₂O₅S
Bromocresol Purple
Bromocresol Purple Sodium salt
- C₂₁H₁₈N₂
Lophine
- C₂₁H₁₈N₂O₂
Oracet Blue B
- C₂₁H₁₈O₃
3,4-Dibenzoyloxybenzaldehyde
- C₂₁H₁₈O₅S
m-Cresol Purple
m-Cresol Purple Sodium salt
Cresol Red
- C₂₁H₁₈ClO₂
4,4'-Dimethoxytriphenylmethyl chloride
- C₂₁H₁₉Cl₂O₂P
2-(Triphenylphosphonio)ethyl chloroformate chloride
- C₂₁H₁₉NO₃
Naphthol AS-MX-acetate
- C₂₁H₁₉OP
Acetylmethylenetriphenylphosphorane
- C₂₁H₂₀BrN₃
Ethidium bromide
- C₂₁H₂₀BrP
Cyclopropyltriphenylphosphonium bromide
- C₂₁H₂₀Br₃O₂P
(2-Carboxyethyl)-triphenylphosphonium bromide
- C₂₁H₂₀ClP
Allyltriphenylphosphonium chloride
- C₂₁H₂₀ClOP
Acetonyltriphenylphosphonium chloride
- C₂₁H₂₀N₂O₃
Serpentine hydrogentartrate
- C₂₁H₂₀N₂O₆
Z-L-phenylalanine hydroxysuccinimide ester
- C₂₁H₂₀O₆
Curcumin
- C₂₁H₂₁N
Tribenzylamine
- C₂₁H₂₁NO₆
Hydrastine
- C₂₁H₂₁N₃O₇
Cacotheline
- C₂₁H₂₁O₄P
Tricresyl phosphate
- C₂₁H₂₂N₂O₃
Strychnine-N-oxide

C ₂₁ H ₂₂ N ₂ O ₄ S Dansyl-L-phenylalanine Piperidine salt	C ₂₁ H ₂₈ O ₆ Aldosterone Cortisone	C ₂₂ H ₁₂ Benzo(ghi)perylene
C ₂₁ H ₂₂ N ₂ O ₆ S Dansyl-L-tyrosine	C ₂₁ H ₂₉ N ₇ O ₁₄ P ₂ Nicotinamide adeninedinucleotide reduced Disodium salt	C ₂₂ H ₁₄ Dibenz (a,c) anthracene Dibenz (a,h) anthracene Pentacene
C ₂₁ H ₂₂ N ₂ O ₇ S Pinacryptol Yellow	C ₂₁ H ₃₀ N ₇ O ₁₇ P ₃ Triphosphopyridinenucleotide reduced Tetrasodium salt	C ₂₂ H ₁₄ Br ₄ O ₄ 3',3'',5',5''-Tetrabromophenolphthalein ethyl ester Potassium salt
C ₂₁ H ₂₃ Cl ₂ NO ₅ Tribenzyltinhydroxide	C ₂₁ H ₃₀ O ₂ Progesterone	C ₂₂ H ₁₄ Cl ₂ N ₄ O ₁₆ S ₄ Sulfochlorophenol S
C ₂₁ H ₂₃ IN ₂ Quinaldine Red	C ₂₁ H ₃₀ O ₃ 11-Deoxycorticosterone 17α-Hydroxyprogesterone 18-Hydroxyprogesterone Testosterone acetate	C ₂₂ H ₁₄ N ₆ O ₁₄ S ₂ Nitrohydroxyazo III
C ₂₁ H ₂₃ NO ₄ BPOC-L-proline Dicyclohexylamine salt FMOC-L-isoleucine FMOC-L-leucine	C ₂₁ H ₃₀ O ₄ Corticosterone 11-Deoxy-17α-hydroxycorticosterone 18-Hydroxy-11-deoxycorticosterone	C ₂₂ H ₁₅ BrN ₄ O ₁₄ S ₄ Bromosulfonazo III
C ₂₁ H ₂₄ N ₂ O ₃ Ajmalicine	C ₂₁ H ₃₀ O ₅ Hydrocortisone 18-Hydroxycorticosterone	C ₂₂ H ₁₅ N ₆ O ₁₆ S ₄ Nitrosulfonazo III
C ₂₁ H ₂₄ N ₂ O ₅ BPOC-L-glutamine Dicyclohexylamine salt	C ₂₁ H ₃₂ O ₂ 5-Pregnen-3β-ol-20-one	C ₂₂ H ₁₆ Cl ₂ N ₄ O ₁₄ P ₂ S ₂ Chlorophosphonazo III
C ₂₁ H ₂₄ N ₂ O ₆ S BOC-S-benzyl-L-cysteine 4-nitrophenyl ester	C ₂₁ H ₃₃ N ₃ O ₄ S NPS-L-alanine Dicyclohexylamine salt	C ₂₂ H ₁₆ N ₂ O ₂ trans-2,3-Diphenyl-1-phthalimido- aziridine
C ₂₁ H ₂₄ N ₈ Bismarck Brown R	C ₂₁ H ₃₆ N ₇ O ₁₆ P ₃ S Coenzyme A Coenzyme A Disodium salt Coenzyme A Trilithium salt	C ₂₂ H ₁₆ N ₄ O ₇ S ₂ Ponceau BS
C ₂₁ H ₂₄ O ₁₀ Phlorizin	C ₂₁ H ₃₆ O ₂ Allopregnan-3α,20α-diol 5β-Pregnane-3α,20α-diol 5β-Pregnane-3α,20β-diol	C ₂₂ H ₁₆ N ₄ O ₁₃ S ₄ Ponceau S
C ₂₁ H ₂₅ Cl ₂ N ₃ O Acridine Mutagen ICR 170	C ₂₁ H ₃₈ BrN Hexadecylpyridinium bromide	C ₂₂ H ₁₆ N ₄ O ₁₄ S ₄ Sulfonazo III
C ₂₁ H ₂₅ F ₃ N ₄ O ₆ BOC-N(im)-(1-Z-amino-2,2,2-trifluoro- ethyl)-L-histidine	C ₂₁ H ₃₈ CIN Hexadecylpyridinium chloride	C ₂₂ H ₁₆ N ₆ O ₉ S ₂ Naphthol Blue Black B
C ₂₁ H ₂₅ NO ₄ BPOC-L-valine Cyclohexylamine salt	C ₂₁ H ₃₈ O ₆ Tricaproin	C ₂₂ H ₁₈ As ₂ N ₄ O ₁₃ S ₂ Arsenazo III
C ₂₁ H ₂₅ NO ₄ S BPOC-L-methionine Dicyclohexylamine salt	C ₂₁ H ₄₀ O ₄ DL-α-Monoolein	C ₂₂ H ₁₈ N ₂ 2,3,8,9-Dibenzo-4,7-dimethyl-5,6- dihydro-1,10-phenanthroline
C ₂₁ H ₂₅ NO ₅ BOC-O-benzyl-L-tyrosine N-Z,O-tert-butyl-L-tyrosine Dicyclohexylamine salt	C ₂₁ H ₄₂ O ₂ Methyl eicosanoate	C ₂₂ H ₁₈ O ₄ o-Cresolphthalein Dibenzyl phthalate
C ₂₁ H ₂₆ N ₂ O ₄ Nε-Z-L-lysine benzyl ester hydrochloride	C ₂₁ H ₄₂ O ₄ Heneicosanoic acid L-α-Stearin DL-α-Stearin	C ₂₂ H ₂₀ N ₂ 3,3'-Dimethylnaphthidine
C ₂₁ H ₂₆ N ₂ O ₈ Z-L-glutamic acid 5-tert-butyl-hydroxy- succinimide ester	C ₂₁ H ₄₄ Heneicosane	C ₂₂ H ₂₀ N ₂ O ₁₂ 4,4'-Bis(bis[carboxymethyl]amino)-3,3'- biphenyldicarboxylic acid
C ₂₁ H ₂₆ O ₅ Prednisone	C ₂₁ H ₄₄ NO ₆ P L-β,γ-Hexadecylidene-α-cephalin	C ₂₂ H ₂₀ O ₁₃ Carminic acid
C ₂₁ H ₂₆ O ₈ S ₂ (-)-1,4-Ditosyl-2,3,0-isopropylidene-L- threitol	C ₂₁ H ₄₄ NO ₇ P DL-γ-Palmitoyl-α-lyso-cephaline DL-γ-Palmitoyl-β-lyso-cephaline	C ₂₂ H ₂₁ NO ₂ S S-Trityl-L-cysteine
C ₂₁ H ₂₇ NO ₄ DL-Laudanosine	C ₂₁ H ₄₄ O ₃ Batyl alcohol	C ₂₂ H ₂₁ O ₂ P (Ethoxycarbonylmethylene)-triphenyl- phosphorane
C ₂₁ H ₂₇ N ₇ O ₁₄ P ₂ Nicotinamide adeninedinucleotide	C ₂₁ H ₅₁ N Tris-(2-ethylhexyl)-amine	C ₂₂ H ₂₁ O ₄ P ₂ Pd Bis-(triphenylphosphine) palladium diacetate
C ₂₁ H ₂₈ N ₇ O ₁₇ P ₃ Triphosphopyridinenucleotide Sodium salt		C ₂₂ H ₂₂ O ₃ Tribenzyl orthoformate
C ₂₁ H ₂₈ O ₄ 11-Dehydrocorticosterone		C ₂₂ H ₂₃ NO ₇ Narcotine hydrochloride
		C ₂₂ H ₂₃ N ₃ O ₆ BOC-L-tryptophan 4-nitrophenyl ester

- C₂₂H₂₃N₃O₉
Aurintricarboxylic acid Ammonium salt
- C₂₂H₂₄N₂O₈
Z-L-phenylalanyl-L-proline
Z-L-prolyl-L-phenylalanine
- C₂₂H₂₄N₂O₈
Tetracycline
Z-L-glutamyl-L-tyrosine
- C₂₂H₂₄N₂O₈S₂
di-Z-L-cystine
- C₂₂H₂₄N₃O₉
Oxytetracycline
- C₂₂H₂₄PBr
Butyltriphenylphosphonium bromide
- C₂₂H₂₅NO₄S
N α -FMOC-S-tert-butyl-L-cysteine
- C₂₂H₂₅NO₅
FMOC-tert-butyl-L-serine
- C₂₂H₂₅NO₆
Colchicine
FMOC-L-aspartic acid β -tert-butyl ester
- C₂₂H₂₆N₂O₅
Z-L-phenylalanyl-L-valine
- C₂₂H₂₆N₂O₆
N α -N ϵ -di-Z-L-lysine
- C₂₂H₂₇NO₂
 α -Lobeline hydrochloride
- C₂₂H₂₇NO₄
BPOC-L-isoleucine
BPOC-L-leucine Dicyclohexylamine salt
- C₂₂H₂₈N₄O₅
Z-L-valyl-L-tyrosine hydrazide
- C₂₂H₃₀O₂
2-Naphthyl laurate
- C₂₂H₃₂O₂
Vitamin A-acetate
- C₂₂H₃₂O₃
Testosterone propionate
- C₂₂H₃₂O₄
3 β -Acetoxyetienic acid
- C₂₂H₃₃N₃O₉
N α -, N ϵ -di-BOC-L-lysine 4-nitrophenyl-ester
- C₂₂H₃₈O₇
6-O-Palmitoyl-L-ascorbic acid
- C₂₂H₄₂
1,21-Docosadiene
- C₂₂H₄₂O₂
Erucic acid
- C₂₂H₄₂O₄
Bis(2-ethylhexyl) adipate
- C₂₂H₄₃NO
Erucic acid amide
- C₂₂H₄₄O₂
Behenic acid
Butyl stearate
- C₂₂H₄₆
Docosane
- C₂₂H₄₆O
1-Docosanol
- C₂₃H₁₆Cl₂O₉S
Chrome Azurol S
- C₂₃H₁₆O₈
Embonic acid
- C₂₃H₁₇AsN₄O₁₃S₂
Carboxyarsenazo III
- C₂₃H₁₇CIN₄
Tetrazolium Violet
- C₂₃H₁₈O₉S
Eriochrome cyanine R
- C₂₃H₂₀Br₂O₅S
Bromoxyleneol Blue
- C₂₃H₂₀N₂O₅
N-Benzoyl-L-tyrosyl p-aminobenzoic acid Sodium salt
- C₂₃H₂₀N₂O₆
Z-L-phenylalanine 4-nitrophenyl ester
- C₂₃H₂₀N₂O₇
Z-L-tyrosine 4-nitrophenyl ester
- C₂₃H₂₃N₃O₄S
N α -Dansyl-L-tryptophan Piperidine salt
- C₂₃H₂₄BrO₂P
(4-Carboxybutyl)-triphenylphosphonium bromide
- C₂₃H₂₄IOP
(2-Ethoxy-1-propenyl)-triphenylphosphonium iodide
- C₂₃H₂₄N₄O₂
4,4'-Methylenediantipyrine
- C₂₃H₂₅N₂
Malachite Green
- C₂₃H₂₅N₅O₂
N- α -Benzoyl-DL-arginine-2-naphthylamide hydrochloride
- C₂₃H₂₆N₂O₄
Brucine
Brucine sulfate
- C₂₃H₂₆O₅S
p-Xyleneol Blue
- C₂₃H₂₇NO₅
FMOC-O-tert-butyl-L-threonine
- C₂₃H₂₈Cl₃N₃O
Quinacrine Mustard dihydrochloride
- C₂₃H₂₈N₂O₅
Z-L-isoleucyl-L-phenylalanine
Z-L-phenylalanyl-L-isoleucine
- C₂₃H₃₀O₆
Cortisone-21-acetate
Prednisolone acetate
- C₂₃H₃₁N₃O₈
N α -BOC-N ϵ -Z-L-lysine hydroxy-succinimide ester
- C₂₃H₃₂O₄
11-Deoxycorticosterone acetate
- C₂₃H₃₂O₆
Hydrocortisone acetate
- C₂₃H₃₄O₃
5-Pregnen-3 β -ol-20-one acetate
- C₂₃H₃₄O₄
Digitoxigenin
- C₂₃H₃₄O₅
Digoxigenin
Gitoxigenin
- C₂₃H₃₇N₃O₄S
NPS-L-valine Dicyclohexylamine salt
- C₂₃H₃₈N₇O₁₇P₃S
Acetyl-coenzyme A Sodium salt
Acetyl-coenzyme A Lithium salt
- C₂₃H₄₂BrNO
(-)-N-Dodecyl-N-methylephedrinium bromide
- C₂₃H₄₂CIN
Benzyldimethyltetradecylammonium chloride
- C₂₃H₄₃NO₃
Tetrabutylammonium toluene-4-sulfonate
- C₂₃H₄₄O₂
Methyl 13-docosenoate
- C₂₃H₄₆O₂
Methyl docosanoate
Tricosanoic acid
- C₂₃H₄₈
Tricosane
- C₂₃H₄₈NO₇P
DL- γ -Palmitoyl- α -lyso-N,N-dimethylcephaline
- C₂₄H₁₂
Coronene
- C₂₄H₁₆N₂
Bathophenanthroline
- C₂₄H₁₆N₂O₂
1,4-Bis(5-phenyl-2-oxazolyl)benzene
- C₂₄H₁₆N₂O₆S₂
Bathophenanthroline disulfonic acid
Disodium salt
- C₂₄H₁₇N₃O₇S₃
Thiazine Red R
- C₂₄H₁₈
p-Quaterphenyl
- C₂₄H₁₈N₄O₁₇S₆
Methylsulfonazo III
- C₂₄H₂₀AsCl
Tetraphenylarsonium chloride
- C₂₄H₂₀BNa
Sodium tetraphenylborate
- C₂₄H₂₀BrP
Tetraphenylphosphonium bromide
- C₂₄H₂₀CIP
Tetraphenylphosphonium chloride
- C₂₄H₂₀N₂
N,N'-Diphenylbenzidine (sym.)
- C₂₄H₂₀N₄O
Scarlet R
Sudan III

C₂₄H₂₀N₄O₁₄S₄
Dimethylsulfonazo III

C₂₄H₂₀Sn
Tetraphenyltin

C₂₄H₂₁NO₄
FMOC-L-phenylalanine

C₂₄H₂₁N₅
Fat Red Bluish

C₂₄H₂₂
1,4-Bis-(2-methylstyryl)benzene

C₂₄H₂₂N₂O
2-(tert-Butylphenyl)-5-(4-biphenyl)-
1,3,4-oxadiazole

C₂₄H₂₂O₄
p-Xylenolphthalein

C₂₄H₂₂O₅
2-(4-Biphenyl)-propyl-2-yl-4'-carboxy-
phenyl carbonate

C₂₄H₂₇NO₆
FMOC-L-glutamic acid γ-tert-butyl ester

C₂₄H₃₁NO₅
BPOC-O-tert-butyl-L-threonine
Dicyclohexylamine salt

C₂₄H₃₂O₈
Dibenzo-24-crown-8

C₂₄H₃₄O₅
Dehydrocholic acid
Dehydrocholic acid Sodium salt

C₂₄H₃₈Br₂N₂
N,N'-Diheptyl-4,4'-bipyridinium
dibromide

C₂₄H₃₈O₄
Bis(2-ethylhexyl) phthalate

C₂₄H₄₀O₃
Lithocholic acid

C₂₄H₄₀O₄
Chenodeoxycholic acid
Deoxycholic acid
Deoxycholic acid Sodium salt
α-Hyodeoxycholic acid
Ursodeoxycholic acid

C₂₄H₄₀O₅
Cholic acid
Cholic acid Sodium salt

C₂₄H₄₀O₆
Oligomycin

C₂₄H₄₄O₆
Trioenanthin

C₂₄H₄₄O₈
Dicyclohexano-24-crown-8

C₂₄H₄₄O₂₄
Calcium lactobionate

C₂₄H₄₄Sn
Tetracyclohexyltin

C₂₄H₄₆O₄
Lauroyl peroxide

C₂₄H₄₈O₂
Tetracosanoic acid synth.
Methyl tricosanoate

C₂₄H₅₀
Tetracosane

C₂₄H₅₀NO₆P
L-β,γ-Hexadecylidene-α-lecithin
DL-Hexadecylidene-α-lecithin

C₂₄H₅₀O
1-Tetracosanol

C₂₄H₅₁N
Trioctylamine

C₂₄H₅₁OP
Trioctylphosphine oxide

C₂₄H₅₂BrN
Tetrahexylammonium bromide

C₂₄H₅₂ClN
Tetrahexylammonium chloride

C₂₄H₅₂ClNO₄
Tetrahexylammonium perchlorate

C₂₄H₅₂IN
Tetrahexylammonium iodide

C₂₄H₅₂NO₈P
DL-γ-Palmitoyl-lyso-α-lecithin

C₂₄H₅₃NO₄S
Tetrahexylammonium hydrogensulfate

C₂₄H₅₄OSn₂
Bis-(tributyltin)oxide

C₂₄H₆₀PPt
Tetrakis-(triphenylphosphonium)-platine

C₂₅H₁₇NO
2-(4-Biphenyl)-6-phenyl-benzoxazole

C₂₅H₂₁N
4-Aminophenyltriphenylmethane

C₂₅H₂₁N₃O₃
Magon

C₂₅H₂₁N₃O₆
Z-L-tryptophan 4-nitrophenyl ester

C₂₅H₂₁N₃O₆S
Xylidyl Blue I

C₂₅H₂₂CIP
Benzyltriphenylphosphonium chloride

C₂₅H₂₅IN₂
Pinacyanol iodide

C₂₅H₂₅NO₄
BPOC-L-phenylalanine Dicyclohexyl-
amine salt

C₂₅H₂₈N₂O₇
BOC-O-benzyl-L-tyrosine hydroxy-
succinimide ester

C₂₅H₂₈N₄O₂
Nα-Trityl-L-arginine

C₂₅H₂₈O₃
Estradiol-3-benzoate

C₂₅H₃₀ClN₃
Crystal Violet

C₂₅H₃₀N₂O₂S₂
Xylene cyanol FF

C₂₅H₃₀N₄O₆
Collagenase-Chromophorsubstrate,
Componente B

C₂₅H₄₆ClN
Cetyltrimethylbenzylammonium chloride

C₂₅H₅₂
Pentacosane

C₂₅H₆₄BrN
Methyltrioctylammonium bromide

C₂₅H₆₄ClN
Methyltrioctylammonium chloride

C₂₅H₆₄IN
Methyltrioctylammonium iodide

C₂₅H₁₈FeN₆
Ferrocypen

C₂₅H₁₈N₂O
2,5-Bis(4-biphenyl)-1,3,4-oxadiazole

C₂₅H₂₀
1,1,2,2-Tetraphenylethylene

C₂₅H₂₀N₂
Bathocuproine

C₂₅H₂₀N₂O₂
1,4-Bis(2-[4-methyl-5-phenyl]-oxazolyl)-
benzene

C₂₅H₂₀N₂O₆S₂
Bathocuproindisulfonic acid Disodium
salt

C₂₅H₂₀N₄O₈S₂
Brilliant Yellow

C₂₅H₂₁NO₃
N-Benzoyl-DL-phenylalanine 2-naphtyl
ester

C₂₅H₂₂N₂O₄
FMOC-L-tryptophan

C₂₅H₂₄P₂
Ethylenebis(diphenylphosphine)

C₂₅H₂₆N₂O₂S
2,5-Bis(5-tert-butyl-benzoxazol-2-yl)-
thiophene

C₂₅H₂₆N₄O₂S₂
L-Cystine-di-2-naphthylamide

C₂₅H₂₆N₆O₁₀S₂
4,4'-Bis(3,4-dihydroxyphenylazo)-
stilbene disulfonic acid Ammonium salt

C₂₅H₂₈N₂O₅
Tetraethylene glycol bis(8-quinolyl)
ether

C₂₅H₂₈ClN₂O
N-Benzylcinchonium chloride
N-Benzylcinchonidinium chloride

C₂₅H₃₂N₂O₆
Nα-FMOC-Nε-BOC-L-lysine

C₂₅H₃₂N₄O₆
Nα-FMOC-Nω-BOC-L-arginine

C₂₅H₃₀O₁₁
Rubratoxin B

C₂₅H₃₂N₄O₆
Nα,Nε-di-Z-L-lysine-glycyl-glycine

C₂₅H₃₃Cl₂N₃
Methyl Green

C ₂₈ H ₄₂ O ₄ Bis(3,5,5-trimethylhexyl)phthalate	C ₂₇ H ₄₄ O ₆ α-Ecdysone	C ₂₈ H ₃₁ O ₇ P Thymolphthaleinphosphate Sodium salt Thymolphthaleinphosphate Magnesium salt
C ₂₈ H ₄₃ NO ₆ Glycocholic acid Sodium glycocholate	C ₂₇ H ₄₆ Cl Cholesteryl chloride	C ₂₈ H ₃₄ O ₁₅ Hesperidin
C ₂₈ H ₄₆ NO ₇ S Taurocholic acid Sodium salt	C ₂₇ H ₄₆ NO ₂ Tomatidine	C ₂₈ H ₃₇ N ₆ O ₇ 5-Leucine Enkephalin
C ₂₈ H ₅₀ O ₄ Bis(2-ethylhexyl) sebacate	C ₂₇ H ₄₆ O Cholesterol	C ₂₈ H ₃₈ O ₁₉ D-Cellobioseoctaacetate β-Sophoroseoctaacetate D(+)-Sucroseoctaacetate
C ₂₈ H ₅₂ O ₂ Hexacosanoic acid synth.	C ₂₇ H ₄₇ IN ₄ N,N'-Dicyclohexyl-N-methylcarbodi-imidium Iodide-Adduct	C ₂₈ H ₄₄ ClNO ₂ Hyamine 10-X
C ₂₈ H ₅₂ O ₃ 2-Hydroxyhexacosanoic acid	C ₂₇ H ₄₈ 5α-Cholestane	C ₂₈ H ₄₄ O Ergosterol Vitamine D2
C ₂₈ H ₅₄ Hexacosane	C ₂₇ H ₄₈ O 5α-Cholestan-3β-ol	C ₂₈ H ₄₆ O ₄ Didecyl phthalate
C ₂₈ H ₅₄ O 1-Hexacosanol synth.	C ₂₇ H ₅₀ O ₆ Tricaprylin	C ₂₈ H ₅₆ O ₂ Octacosanoic acid synth.
C ₂₈ H ₅₆ NO ₈ P DL-γ-Stearoyl-α-lyso-lecithin	C ₂₇ H ₅₄ O 14-Heptacosanone	C ₂₈ H ₅₈ Octacosane
C ₂₇ H ₁₈ N ₃ O ₄ P Triquinol-8-yl-phosphate	C ₂₇ H ₅₄ O ₂ Heptacosanoic acid	C ₂₈ H ₆₀ BrN Tetraheptylammonium bromide
C ₂₇ H ₁₈ O ₂ α-Naphtholbenzeine (p)	C ₂₈ H ₁₅ NO ₄ 1,1'-Dianthrime	C ₂₈ H ₆₀ BrP Hexadecyltributylphosphonium bromide
C ₂₇ H ₁₉ NO 2,5-Bis(4-biphenyl)-oxazole	C ₂₈ H ₁₆ O ₄ α-Naphtholphthaleine	C ₂₉ H ₁₆ Hg ₂ O ₉ Fluorescein mercuric acetate
C ₂₇ H ₂₈ Br ₂ O ₅ S Bromothymol Blue Bromothymol Blue Sodium salt	C ₂₈ H ₁₉ ClN ₃ Azocarmine B	C ₂₈ H ₂₀ O Tetraphenylcyclopentadienone
C ₂₇ H ₂₈ N ₂ O ₇ BOC-O-benzyl-L-tyrosine 4-nitrophenyl ester	C ₂₈ H ₁₉ N ₃ O ₆ S ₂ Azocarmine G	C ₂₉ H ₃₂ N ₂ O ₉ S Sarcosine cresol Red
C ₂₇ H ₂₈ N ₂ O ₉ S Glycine cresol Red	C ₂₈ H ₂₀ Hg ₄ O ₁₃ 2',4',5',7'-Tetraacetoxymercuri fluorescein	C ₂₉ H ₃₅ ClO ₁₇ Malvin(chloride)
C ₂₇ H ₃₀ O ₅ S Thymol Blue Thymol Blue Sodium salt	C ₂₈ H ₂₁ N ₅ O ₆ S ₄ Thiazole Yellow G	C ₂₉ H ₃₈ N ₃ O ₆ Z-L-leucylglycyl-L-leucine benzyl ester
C ₂₇ H ₃₀ O ₁₆ Rutin	C ₂₈ H ₂₂ 1,1,4,4-Tetraphenyl-1,3-butadiene	C ₂₉ H ₄₀ N ₂ O ₄ Emetine dihydrochloride
C ₂₇ H ₃₁ ClN ₂ O ₂ N-Benzylchininum chloride	C ₂₈ H ₂₄ O ₉ 1-O-Acetyl-2,3,5-tri-O-benzoyl-β-D-ribofuranose	C ₂₉ H ₄₄ O ₂ 4,4'-Methylenebis(2,6-di-tert-butylphenol)
C ₂₇ H ₃₂ O ₁₄ Naringin	C ₂₈ H ₂₅ N ₃ O ₄ N _α -FMOC-N(im)-benzyl-L-histidine	C ₂₉ H ₄₄ O ₁₂ Ouabain
C ₂₇ H ₃₃ NO ₁₁ Colchicoside	C ₂₈ H ₂₆ N ₂ O ₇ N-Z,O-benzyl-4-tyrosine-hydroxysuccinimide ester	C ₂₉ H ₄₈ O Stigmasterol
C ₂₇ H ₃₃ N ₉ O ₁₅ P ₂ Flavine adenine dinucleotide Disodium salt	C ₂₈ H ₂₆ N ₄ O ₅ Chymotrypsine A-chromophorsubstrate, Componente B	C ₂₉ H ₄₈ O ₂ Cholesteryl acetate
C ₂₇ H ₃₄ N ₂ O ₄ S Brilliant Green	C ₂₈ H ₂₉ NO ₅ FMOC-O-tertbutyl-L-tyrosine	C ₂₉ N ₅₀ O β-Siltosterol
C ₂₇ H ₃₆ N ₂ O ₆ BPOC-Nε-L-lysine Dicyclohexylamine salt	C ₂₈ H ₂₉ N ₃ O ₈ N _α -Nε-di-Z-L-lysine 4-nitrophenyl ester	C ₂₉ H ₅₀ O ₂ (+)-α-Tocopherol natural Vitamine E
C ₂₇ H ₄₂ ClNO ₂ Hyamine 1622	C ₂₈ H ₃₀ O ₄ Thymolphthaleine	C ₂₉ H ₅₈ NO ₈ P L-β,γ-Dilauroyl-α-cephalin
C ₂₇ H ₄₄ O 4-Cholestein-3-one 7-Dehydrocholesterol Vitamine D3	C ₂₈ H ₃₀ O ₁₀ S ₂ Methyl-4,6,O-benzylidene-2,3-ditosyl-α-D-galactopyranoside	C ₂₉ H ₅₈ O ₂ Methyl octacosanoate
	C ₂₈ H ₃₁ ClN ₂ O ₃ Rhodamine B	

C ₃₀ H ₁₈ FeN ₃ O ₁₅ S ₂ Naphthol Green B	C ₃₂ H ₁₈ N ₈ Phthalocyanine	C ₃₄ H ₃₂ N ₄ O ₄ Protoporphyrine Disodium salt
C ₃₀ H ₁₉ N ₄ O ₂₂ S ₈ Calcion	C ₃₂ H ₂₄ N ₆ O ₆ S ₂ Congo Red	C ₃₄ H ₃₈ N ₂ O ₆ S ₄ L-Cystine dibenzyl ester ditosylat
C ₃₀ H ₂₀ N ₄ O ₁₄ S ₄ di-SNADNS	C ₃₂ H ₂₆ N ₆ O ₁₀ S ₂ Antipyrilazo III	C ₃₄ H ₃₈ N ₄ O ₆ Hematoporphyrine dihydrochloride
C ₃₀ H ₂₈ N ₂ O ₇ N-Z,O-benzyl-L-tyrosine 4-nitrophenyl ester	C ₃₂ H ₂₆ N ₃ O ₄ S Alkali Blue 4 B	C ₃₄ H ₄₇ NO ₁₁ Aconitine Aconitine nitrate
C ₃₀ H ₂₆ N ₂ O ₁₃ Calcein	C ₃₂ H ₃₂ N ₂ O ₁₂ Metal phthalein	C ₃₄ H ₇₀ Tetratriacontane
C ₃₀ H ₂₇ BrN ₂ S ₂ 'Stains-all'	C ₃₂ H ₄₄ ClNO ₄ Tetraoctylammonium perchlorate	C ₃₆ H ₄₂ N ₂ O ₉ Rescinamine
C ₃₀ H ₂₈ N ₂ O ₁₂ Phenolphthalexone	C ₃₂ H ₅₈ NO ₄ P Cholesteryl phosphoryl-choline	C ₃₆ H ₆₈ O ₆ D-α,β-Dipalmitin DL-α,β-Dipalmitin α,γ-Dipalmitin
C ₃₀ H ₃₀ EuF ₂₁ O ₆ Euroshift TMT	C ₃₂ H ₆₄ NO ₈ P L-β,γ-Dilauroyl-α-lecithin DL-β,γ-Dilauroyl-α-lecithin	C ₃₅ H ₆₈ O ₈ P L-β,γ-Dipalmitoyl-α-phosphatidic acid Disodium salt DL-β,γ-Dipalmitoyl-α-phosphatidic acid Disodium salt
C ₃₀ H ₃₀ F ₂₁ O ₆ Pr Prashift TMF	C ₃₂ H ₆₄ O ₄ Sn Dibutyltin dilaurate	C ₃₅ H ₇₂ O ₃ D-α,β-Dihexadecylglycerol DL-α,β-Dihexadecylglycerol α,γ-Dihexadecylglycerol
C ₃₀ H ₃₁ ClN ₆ Janus green B	C ₃₂ H ₆₆ Dotriacontane	C ₃₈ H ₂₄ FeN ₆ O ₄ S Ferroin Solution
C ₃₀ H ₃₂ N ₄ O ₈ Nα,Nδ,Nω-tri-Z-L-arginine	C ₃₂ H ₆₈ BrN Tetraoctylammonium bromide	C ₃₈ H ₃₀ Cl ₂ NiP Bis-(triphenylphosphine)nickel-(II) chloride
C ₃₀ H ₃₄ O ₁₃ Picrotoxin	C ₃₂ H ₆₈ ClNO ₄ Tetraoctylammonium perchlorate	C ₃₈ H ₃₀ Cl ₂ P ₂ Pd Bis-(triphenylphosphine)palladium(II) chloride
C ₃₀ H ₃₆ N ₄ O ₆ S ₂ di-Dansyl-L-lysine Dicyclohexylamine salt	C ₃₃ H ₃₂ ClN ₃ Victoria Blue B	C ₃₈ H ₃₄ BCuP ₂ Bis-(triphenylphosphine)copper(I) borohydride
C ₃₀ H ₄₄ O ₉ Cymarín	C ₃₃ H ₃₅ N ₅ O ₅ Ergotamine-D-hydrogentartrate Ergotamine-D-tartrate	C ₃₈ H ₃₈ N ₄ O ₄ Protoporphyrine-IX-dimethyl ester
C ₃₀ H ₄₆ O ₄ 18β-Glycyrrhetinic acid	C ₃₃ H ₃₆ N ₄ O ₆ Bilirubin	C ₃₈ H ₄₂ EuF ₉ O ₆ Tris(3-trifluoroacetyl-D-camphorato)- europium(III)
C ₃₀ H ₅₆ O ₆ Tripelargonin	C ₃₃ H ₄₀ N ₂ O ₉ Reserpine	C ₃₈ H ₄₃ N ₉ O ₇ Chymotrypsine A-Chromophorsubstrate
C ₃₀ H ₆₀ O ₂ Melissic acid synth.	C ₃₃ H ₄₀ N ₂ O ₉ S Glycine thymol Blue	C ₃₈ H ₆₀ O ₂ Vitamin A-palmitate
C ₃₀ H ₆₂ Squalane Triacontane	C ₃₃ H ₄₄ NO ₆ P Thymolphthaleinmonophosphate 2-amino-2-ethyl-1,3-propanediol salt	C ₃₈ H ₆₃ O ₆ Triundecanin
C ₃₀ H ₆₂ O 1-Triacontanol	C ₃₃ H ₅₇ EuO ₆ Europium(III)-tris-(2,2,6,6-tetramethyl- heptane-3,5-dionate)	C ₃₈ H ₇₂ NO ₈ P L-β,γ-Dimyristoyl-α-lecithin DL-β,γ-Dimyristoyl-α-lecithin
C ₃₁ H ₂₈ N ₂ O ₁₃ Methyl calceine	C ₃₃ H ₅₇ O ₆ Pr Praseodym(III)-tris-(2,2,6,6-tetramethyl- heptane-3,5-dionate)	C ₃₈ H ₇₄ Hexatriacontane
C ₃₁ H ₃₂ N ₂ O ₁₃ S Xylenol Orange	C ₃₃ H ₆₂ O ₆ Tricaprin	C ₃₈ H ₇₆ N Dioctadecylamine
C ₃₁ H ₄₆ O ₂ Vitamin K1	C ₃₃ H ₆₆ NO ₈ P L-β,γ-Dimyristoyl-α-cephalin	C ₃₇ H ₃₀ ClIrOP ₂ Bis-(triphenylphosphine)iridium(I) carbonyl chloride
C ₃₁ H ₆₂ O ₃ Vitamin E-acetate	C ₃₄ H ₂₄ N ₆ O ₁₀ S ₂ Diamine Green B	
C ₃₁ H ₆₁ O ₈ P L-β,γ-Dimyristoyl-α-phosphatidic acid Disodium salt	C ₃₄ H ₂₈ N ₆ O ₆ S ₂ Benzopurpurine B	
C ₃₁ H ₆₂ O ₂ Methyl triacontanoate	C ₃₄ H ₂₈ N ₆ O ₁₄ S ₄ Evans Blue Trypan Blue	
C ₃₂ H ₁₈ CuN ₈ Copper phthalocyanine	C ₃₄ H ₂₂ ClFeN ₄ O ₄ Hemin(chloride)	
C ₃₂ H ₁₈ N ₈ Ni Nickel phthalocyanine		

- C₃₇H₃₀ClOP₂Rh
Bis-(triphenylphosphine)rhodium
carbonyl chloride
- C₃₇H₃₆N₂O₉S₃
Light Green SF Yellowish
- C₃₇H₃₆N₂O₁₀S₃
Fast Green FCF
- C₃₇H₄₈N₂O₁₃S
Methylthymol Blue Sodium salt
- C₃₇H₇₄NO₈P
L-β,γ-Dipalmitoyl-α-cephalin
DL-β,γ-Dipalmitoyl-α-cephalin
- C₃₇H₇₈NO₈P
L-β,γ-Dihexadecyl-α-cephalin
- C₃₈H₂₈Cl₂N₈
Neotetrazolium chloride
- C₃₈H₃₀Cl₂O₂P₂Ru
Bis-(triphenylphosphine)ruthenium(II)-
dichlorodicarbonyl
- C₃₈H₃₀NiO₂P₂
Bis-(triphenylphosphine)nickeldicarbonyl
- C₃₈H₄₄Cl₂N₂O₈
(+)-Tubocurarine chloride
- C₃₈H₄₄N₂O₁₂
Thymolphthalexone
- C₃₈H₅₂N₁₀O₈
Collagenase-Chromophorsubstrate,
Componente A
- C₃₈H₇₃O₈P
DL-β-Oleyl-γ-palmitoyl-O-methyl-α-
phosphatidic acid Barium Salt
- C₃₈H₇₆NO₈P
L-β,γ-Dipalmitoyl-N-methyl-α-cephalin
DL-β,γ-Dipalmitoyl-N-methyl-α-cephalin
- (C₃₉H₅₁N₁₅O₂₅P₄)_n
Deoxyribonucleic acid
- C₃₉H₇₂O₅
Diolein
- C₃₉H₇₄O₆
Trilaurin
- C₃₉H₇₆NO₈P
L-β-Oleyl-γ-palmitoyl-α-cephalin
DL-β-Oleyl-γ-palmitoyl-α-cephalin
- C₃₉H₇₆O₅
D-α,β-Distearin
DL-α,β-Distearin
- C₃₉H₇₈NO₈P
L-β,γ-Dipalmitoyl-N,N-dimethyl-α-
cephalin
DL-β,γ-Dipalmitoyl-N,N-dimethyl-α-
cephalin
- C₄₀H₂₈Cl₂N₁₂O₁₀
Tetranitroblue Tetrazolium chloride
- C₄₀H₃₀Cl₂N₁₀O₆
Nitrotetrazolium Blue chloride
- C₄₀H₃₂Cl₂N₈O₂
Tetrazolium Blue chloride
- C₄₀H₅₆
β-Carotene synth.
- C₄₀H₅₆BN
Tetrabutylammonium tetraphenylborate
- C₄₀H₆₄O₁₂
Nonactine
- C₄₀H₇₆NO₈P
DL-β-Oleyl-γ-palmitoyl-α-N-methyl-
cephalin
- C₄₀H₈₀NO₈P
L-β,γ-Dipalmitoyl-α-lecithin
DL-β,γ-Dipalmitoyl-α-lecithin
α,γ-Dipalmitoyl-β-lecithin
- C₄₀H₈₂
Tetracontane
- C₄₀H₈₄BrN
Tetrakis(decyl)ammonium bromide
- C₄₀H₈₄ClNO₄
Tetrakis(decyl)ammonium perchlorate
- C₄₀H₈₄NO₈P
L-β,γ-Dihexadecyl-α-lecithin
DL-β,γ-Dihexadecyl-α-lecithin
- C₄₁H₆₃NO₁₅
Protoveratrine B
- C₄₁H₆₄O₁₃
Digitoxin
- C₄₁H₆₄O₁₄
Digoxin
Gitoxin
- C₄₁H₈₀NO₈P
L-β-Oleyl-γ-palmitoyl-N,N-dimethyl-α-
cephalin
- C₄₁H₈₂NO₈P
L-β,γ-Distearoyl-α-cephalin
- C₄₁H₈₄NO₉P
O-Methyl-L-α-lecithin hydroxide
- C₄₂H₈₅NO₁₆
Glycyrrhic acid Ammonium salt
- C₄₂H₈₂NO₈P
L-β-Oleyl-γ-palmitoyl-α-lecithin
DL-β-Oleyl-γ-palmitoyl-α-lecithin
- C₄₃H₈₈N₁₂O₁₂S₂
Oxytocin
- C₄₃H₇₆NO₂
Cholesteryl palmitate
- C₄₄H₃₆N₄
meso-Tetraphenylporphyrine
- C₄₄H₈₄NO₈P
DL-β,γ-Dielaidinoyl-α-lecithin
DL-β,γ-Dioleoyl-α-lecithin
- C₄₄H₈₈NO₈P
L-β,γ-Distearoyl-α-lecithin
- C₄₄H₉₀
Tetratetracontane
- C₄₅H₈₀O₂
Cholesteryl stearate
- C₄₅H₈₈O₆
Trimyrustin
- C₄₅H₉₀NO₈P
L-β,γ-Diarachinoyl-α-cephalin
- C₄₈H₁₀₀CIN
Tetradodecylammonium bromide
- C₄₈H₁₀₀ClNO₄
Tetradodecylammonium perchlorate
- C₄₈H₁₀₀Sn
Tetradodecyltin
- C₅₀H₇₃N₁₅O₁₁
Bradykininetriacetate
- C₅₀H₈₃NO₂₁
Tomatine
- C₅₁H₉₈O₆
Tripalmitin
- C₅₄H₄₅ClP₃Rh
Tris-(triphenylphosphine)rhodium(I)
chloride
- C₅₄H₄₅Cl₂P₃Ru
Tris-(triphenylphosphine)ruthenium(II)
dichloride
- C₅₄H₆₄N₄O₁₄S₄
Patent Blue V
- C₅₄H₈₄O₂₃
Escin
- C₅₄H₉₀N₆O₁₈
Valinomycin
- C₅₄H₁₀₆FeN₉
Tris(tetrabutylammonium) hexa-
cyanoferrate(III)
- C₅₅H₇₀MgN₄O₆
Chlorophyll b
- C₅₅H₇₂MgN₄O₅
Chlorophyll a
- C₅₆H₉₂O₂₉
Digitonin
- C₅₇H₁₀₄O₆
Triolein
- C₅₇H₁₁₀O₆
Tristearin
- C₅₉H₉₀O₄
Coenzyme Q10
- C₆₂H₈₆O₆
Triarachin
- C₆₂H₈₀ClCoN₁₃O₁₅P
Vitamin B12b
- C₆₃H₈₈CoN₁₄O₁₄P
Vitamin B12
- C₆₃H₈₈N₁₈O₁₃S
Substance P
- C₇₂H₈₀P₄Pd
Tetrakis-(triphenylphosphine)palladium
- C₇₂H₁₀₀CoN₁₈O₁₇P
Coenzyme B12
- C₇₂H₁₄₈BrN
Tetraoctadecylammonium bromide
- C₇₄H₉₉N₁₅O₂₆S
Human Mini Gastrin I HG-13
- C₇₅H₁₀₁N₁₅O₆
11-Leucine Mini Gastrin I

C ₇₆ H ₅₂ O ₄₆ Tannic acid	CdO Cadmium oxide Brown	ClNa Sodium chloride
C ₈₅ H ₁₀₈ N ₁₇ O ₂₇ S Human Mini Gastrin I, HG-14	CdS Cadmium sulfide Yellow	ClNaO ₂ Sodium chlorite
C ₉₇ H ₁₂₄ N ₂₀ O ₃₁ S Human Gastrin I, HG-17	Ce Cerium	ClNaO ₃ Sodium chlorate
C ₉₈ H ₁₄₄ N ₂₆ O ₃₁ 15-Leucine-Human Gastrin I	CeCl ₃ Cerium(III) chloride	ClNaO ₄ Sodium perchlorate
C ₁₂₁ H ₁₈₉ N ₃₃ O ₃₈ 13-Norleucine-motiline	CeF ₃ Cerium(III) fluoride	ClRb Rubidium chloride
C ₁₇₆ H ₂₄₉ N ₄₃ O ₅₄ S Human Big Gastrin I	CeH ₈ N ₈ O ₁₈ Cerium(IV) ammoniumnitrate	CITl Thallium(I) chloride
Ca Calcium	CeH ₁₆ N ₄ O ₁₆ S ₄ Cerium(IV) ammoniumsulfate	Cl ₂ Chlorine
CaCl ₂ Calcium chloride	CeN ₃ O ₉ Cerium(III) nitrate	Cl ₂ Co Cobaltous chloride
CaCl ₂ O ₂ Calcium hypochlorite	CeO ₂ Cerium(IV) oxide	Cl ₂ CoO ₈ Cobaltous perchlorate
CaCl ₂ O ₆ Calcium chlorate	CeO ₈ S ₂ Cerium(IV) sulfate	Cl ₂ CrO ₂ Chromyl chloride
CaCl ₂ O ₈ Calcium perchlorate	Ce ₂ Mg ₃ N ₁₂ O ₃₆ Cerium(III) magnesium nitrate	Cl ₂ Cu Copper(II) chloride
CaF ₂ Calcium fluoride	Ce ₂ O ₁₂ S ₃ Cerium(III) sulfate	Cl ₂ CuO ₈ Copper(II) perchlorate
CaHO ₄ P Calcium hydrogenphosphate	ClCs Cesium chloride	Cl ₂ Fe Ferrous chloride
CaH ₂ Calcium hydride	ClCu Copper(I) chloride	Cl ₂ Hg Mercuric chloride
Ca(H ₂ O ₂) Calcium hydroxide	CID Hydrochloric acid-d	Cl ₂ Hg ₂ Mercurous chloride
CaH ₄ O ₈ P ₂ Calciumbis(dihydrogenphosphate)	CIH Hydrochloric acid anhydrous Hydrochloric acid	Cl ₂ Mg Magnesiumchloride
CaI ₂ Calcium iodide	ClHO ₃ S Chlorosulfonic acid	Cl ₂ Mn Manganese(II) chloride
CaI ₂ O ₈ Calcium iodate	ClHO ₄ Perchloric acid	Cl ₂ MnO ₈ Manganese(II) perchlorate
CaN ₂ O ₈ Calcium nitrate	ClH ₄ N Ammonium chloride	(Cl ₂ NP) _n Phosphonitrilic chloride
CaO Calcium oxide	ClH ₄ NO ₄ Ammonium perchlorate	Cl ₂ Ni Nickel(II) chloride
CaO ₄ S Calcium sulfate Sikkon Fluka	ClI Chloroiodide	Cl ₂ NiO ₈ Nickel perchlorate
CaSi ₂ Calcium silicide	ClK Potassium chloride	Cl ₂ OS Thionyl chloride
Ca ₃ HO ₁₃ P ₃ tri-Calcium phosphate	ClKO ₃ Potassium chlorate	Cl ₂ OZr Zirconyl chloride
Cd Cadmium	ClKO ₄ Potassium perchlorate	Cl ₂ O ₂ S Sulfuryl chloride
CdCl ₂ Cadmium chloride	ClLi Lithium chloride	Cl ₂ O ₈ Pb Lead perchlorate
CdF ₂ Cadmium fluoride	ClLiO Lithium hypochlorite	Cl ₂ Pb Lead(II) chloride
CdI ₂ Cadmium iodide	ClLiO ₄ Lithium perchlorate	Cl ₂ Pd Palladium chloride
CdN ₂ O ₈ Cadmium nitrate	ClNO Nitrosyl chloride	Cl ₂ Pt Platinum(II) chloride

Cl_2S Sulfur dichloride	Cl_4Ge Germanium(IV) chloride	CoF_3 Cobaltic fluoride
Cl_2S_2 Sulfur chloride	$\text{Cl}_4\text{H}_8\text{N}_2\text{Pd}$ Ammonium tetrachloropalladate(II)	CoN_2O_6 Cobaltous nitrate
Cl_2Sn Stannous chloride	$\text{Cl}_4\text{H}_8\text{N}_2\text{Pt}$ Ammonium tetrachloroplatinate(II)	$\text{CoN}_6\text{Na}_3\text{O}_{12}$ Sodium hexanitrocobaltate(III)
Cl_2Sr Strontium chloride	$\text{Cl}_4\text{K}_2\text{Pd}$ Potassium tetrachloropalladate(II)	CoO_4S Cobaltous sulfate
Cl_2Zn Zinc chloride	$\text{Cl}_4\text{K}_2\text{Pt}$ Potassium tetrachloroplatinate(II)	Co_3O_4 Cobalt(II, III) oxide
$\text{Cl}_3\text{CoH}_{18}\text{N}_6$ Hexamminocobalt trichloride	Cl_4Pt Platinum(IV) chloride	Cr Chromium
Cl_3Cr Chromium(III) chloride	Cl_4Si Silicon tetrachloride	CrKO_6S_2 Potassiumchromium(III) sulfate
Cl_3Fe Ferric chloride	Cl_4Sn Tin tetrachloride	CrK_2O_4 Potassium chromate
$\text{Cl}_3\text{FeO}_{12}$ Ferric perchlorate	Cl_4Ti Titanium tetrachloride	$\text{CrN}_2\text{H}_8\text{O}_4$ Ammonium chromate
Cl_3Ga Gallium(III) chloride	Cl_4Zr Zirconium tetrachloride	CrNa_2O_4 Sodium chromate
Cl_3HSi Trichlorosilane	Cl_5Nb Niobium(V) chloride	CrNa_2O_7 Sodium dichromate
Cl_3I Iodine trichloride	Cl_5P Phosphorus pentachloride	CrO_3 Chromium(VI) oxide
Cl_3In Indium(III) chloride	$\text{Cl}_6\text{H}_2\text{Ir}$ Iridium(IV) chloride	$\text{Cr}_2\text{H}_8\text{N}_2\text{O}_7$ Ammonium dichromate
Cl_3Ir Iridium(III) chloride	$\text{Cl}_6\text{H}_2\text{Pt}$ Hexachloroplatinic acid	$\text{Cr}_2\text{K}_2\text{O}_7$ Potassium dichromate
Cl_3La Lanthanum chloride	$\text{Cl}_6\text{H}_8\text{IrN}_2$ Ammonium hexachloroiridate(IV)	$\text{Cr}_4\text{H}_2\text{O}_{22}\text{S}_6$ Chromium sulfate basic
Cl_3Nd Neodymium chloride	$\text{Cl}_6\text{H}_8\text{N}_2\text{Os}$ Ammonium hexachloroosmate(IV)	Cs Cesium
Cl_3OP Phosphorus oxychloride	$\text{Cl}_6\text{H}_8\text{N}_2\text{Pd}$ Ammonium hexachloropalladate(IV)	CsF Cesium fluoride
Cl_3OV Vanadyl trichloride	$\text{Cl}_6\text{H}_8\text{N}_2\text{Pt}$ Ammonium hexachloroplatinate(IV)	CsHO Cesium hydroxide
Cl_3P Phosphorus trichloride	$\text{Cl}_6\text{H}_8\text{N}_2\text{Ru}$ Ammonium hexachlororuthenate(IV)	CsI Cesium iodide
Cl_3PS Phosphorus thiochloride	$\text{Cl}_6\text{H}_{12}\text{N}_3\text{Rh}$ Ammonium hexachlororhodate(III)	CsNO_3 Cesium nitrate
Cl_3Rh Rhodium(III) chloride	$\text{Cl}_6\text{H}_{42}\text{N}_{14}\text{O}_2\text{Ru}_3$ Ruthenium Red	Cu Copper
Cl_3Ru Ruthenium(III) chloride	$\text{Cl}_6\text{K}_2\text{Pd}$ Potassium hexachloropalladate(IV)	CuBr Cuprous bromide Methylsulfide Complex
Cl_3Sb Antimony(III) chloride	$\text{Cl}_6\text{K}_2\text{Pt}$ Potassium hexachloroplatinate(IV)	CuI Copper(I) iodide Cuprous iodide Trimethylphosphite Complex
Cl_3Sc Scandium chloride	$\text{Cl}_6\text{Na}_2\text{Pt}$ Sodium hexachloroplatinate(IV)	CuN_2O_6 Copper(II) nitrate
Cl_3Sm Samarium chloride Samarium chloride Solution	$\text{Cl}_6\text{Na}_3\text{Rh}$ Sodium hexachlororhodate(III)	CuO Copper(II) oxide
Cl_3Ti Titanium chloride	Cl_6W Tungsten(VI) chloride	CuO_4S Copper(II) sulfate
Cl_3V Vanadium(III) chloride	Co Cobalt	CuS Copper(I) sulfide
Cl_3Y Yttrium chloride	CoF_2 Cobaltous fluoride	DLi Lithium hydride-d

DNaO Sodium hydroxide-d	F ₆ W Tungsten(VI) fluoride	HNO ₃ Nitric acid
D ₂ Deuterium	Fe Iron	HNO ₃ S Nitrosylsulfuric acid
D ₂ O Deuterium oxide	FeH ₈ N ₂ O ₈ S ₂ Ammoniumferrous sulfate	HNa Sodiumhydride
D ₂ O ₄ S Sulfuric acid-d ₂	FeH ₈ N ₂ O ₁₆ S ₄ Ammoniumferric sulfate	HNaO Sodium hydroxide
D ₃ N Ammonia-d ₃	FeN ₃ O ₆ Ferrous sulfate	HNaO ₃ S Sodium hydrogensulfite
Dy Dysprosium	FeO ₃ P Ferric phosphate	HNaO ₃ Se Sodium hydrogenselenite
Dy ₂ O ₃ Dysprosium oxide	FeS Ferrous sulfide	HNaO ₄ S Sodium hydrogensulfate
Er Erbium	Fe ₂ O ₃ Ferrous oxide Red	HNaS Sodium hydrogensulfide
Er ₂ O ₃ Erbium oxide	Fe ₂ O ₁₂ S ₃ Ferric sulfate	HNa ₂ O ₄ P di-Sodium hydrogenphosphate
Eu Europium	Ga Gallium	HORb Rubidium hydroxide
EuCl ₃ Europium chloride	Gal ₃ Gallium(III) iodide	HOTI Thallium(I) hydroxide
Eu ₂ O ₃ Europium oxide	GaN ₃ O ₉ Gallium(III) nitrate	(HO ₃ P) _n meta-Phosphoric acid
FH Hydrogen fluoride Hydrofluoric acid	Ga ₂ O ₃ Gallium(III) oxide	H ₂ INa ₃ O ₆ Sodium(para)periodate
FHO ₃ S Fluorosulfonic acid	Ga ₂ O ₁₂ S ₃ Gallium(III) sulfate	H ₂ KO ₄ P Potassium dihydrogenphosphate
FK Potassium fluoride	Gd Gadolinium	H ₂ LiN Lithium amide
FLi Lithium fluoride	Gd ₂ O ₃ Gadolinium oxide	H ₂ MgO ₂ Magnesiumhydroxide
F ₂ H ₅ N Ammonium hydrogendifluoride	Ge Germanium	H ₂ NNa Sodium amide Suspension
F ₄ N Ammonium fluoride	GeO ₂ Germanium(IV) oxide	H ₂ NaO ₂ P Sodiumhypophosphite
F ₂ Fluorine	HI Hydroiodic acid	H ₂ NaO ₄ P Sodium dihydrogenphosphate
F ₂ Mg Magnesium fluoride	HIO ₃ Iodic acid	H ₂ Na ₂ O ₇ P ₂ di-Sodium dihydrogenpyrophosphate
F ₂ Pb Lead(II) fluoride	HI ₂ KO ₆ Potassium hydrogeniodate	H ₂ NiO ₂ Nickel(II) hydroxide
F ₃ La Lanthanum fluoride	HK Potassium hydride	H ₂ O ₂ Hydrogen peroxide
F ₄ S Sulfur tetrafluoride	HKO Potassium hydroxide	H ₂ O ₃ Se Selenious acid
F ₅ P Phosphorus pentafluoride	HKO ₄ S Potassium hydrogensulfate	H ₂ O ₄ S Sulfuric acid
F ₆ HP Hexafluorophosphoric acid	HK ₂ O ₄ P di-Potassium hydrogenphosphate	H ₂ O ₄ Se Selenic acid
F ₆ KP Potassium hexafluorophosphate	HLi Lithium hydride	H ₂ O ₄ W Tungstic acid
F ₆ K ₂ Ti Potassium hexafluorotitanate	HLiO Lithium hydroxide	H ₂ S Hydrogen sulfide
F ₆ S Sulfur hexafluoride	HMgO ₄ P Magnesium hydrogenphosphate	H ₂ Ti Titanium hydride

H ₂ Zr Zirconium hydride	H ₈ NO ₄ P mono-Ammonium phosphate	In ₂ S ₃ Indium(III) sulfide Red
H ₃ BO ₃ Boric acid	H ₆ N ₂ O ₃ S Ammonium sulfamate	Ir Iridium
H ₃ InO ₃ Indium(III) hydroxide	H ₈ N ₂ O ₃ S ₂ Ammonium thiosulfate	I Iodine
H ₃ LaO ₃ Lanthanum hydroxide	H ₈ N ₂ O ₄ S Ammonium sulfate	IK Potassium iodide
H ₃ Mo ₁₂ O ₄₀ P Phosphomolybdic acid	H ₈ N ₂ O ₈ S ₂ Ammonium peroxydisulfate	IKO ₃ Potassium iodate
H ₃ N Ammonia anhydrous Ammonium hydroxide	H ₈ N ₄ Dihydrazine sulfate	IKO ₄ Potassium(meta)periodate
H ₃ NO Hydroxylamine hydrochloride Hydroxylamine hydrogensulfate Hydroxylamine sulfate	H ₈ N ₂ O ₄ P di-Ammonium hydrogenphosphate (sec.)	ILi Lithium iodide
H ₃ NO ₃ S Sulfamic acid	H ₁₂ Mo ₁₂ N ₃ O ₄₀ P Phosphomolybdic acid Ammonium salt	INa Sodium iodide
H ₃ NO ₄ S Hydroxylamine-O-sulfonic acid	H ₁₂ N ₃ O ₇ P Hydroxylamine phosphate	INaO ₃ Sodium iodate
H ₃ O ₂ P Phosphinic acid	H ₂₄ Mo ₇ N ₆ O ₂₄ Ammonium molybdate	INaO ₄ Sodium(meta)periodate
H ₃ O ₃ P Phosphorus acid	H ₄₀ N ₁₀ O ₄₁ W ₁₂ Ammonium(para)tungstate	ITI Thallium(I) iodide
H ₃ O ₄ P ortho-Phosphoric acid	Hf Hafnium	I ₂ O ₆ Iodopentoxide
H ₃ O ₄₀ PW ₁₂ Sodium phoshotungstate	HfO ₂ Hafnium(IV) oxide	I ₂ Pd Palladium iodide
H ₄ IN Ammonium iodide	Hg Mercury	K Potassium
H ₄ NNiO ₄ S Ammonium nickelsulfate	HgN ₂ O ₆ Mercuric nitrate	KNO ₂ Potassium nitrite
H ₄ NO ₃ V Ammonium(meta)vanadate	HgO Mercuric oxide Yellow Mercuric oxide Red	KNO ₃ Potassium nitrate
H ₄ NO ₄ Re Ammonium perrhenate	HgO ₄ S Mercuric sulfate	KMnO ₄ Potassium permanganate
H ₄ N ₂ Hydrazine dihydrochloride Hydrazine hydrate Hydrazine monohydrochloride Hydrazine sulfate	HgS Mercuric sulfide Red	KO ₂ Potassium peroxide
H ₄ N ₂ NiO ₄ S Nickel sulfamate	Hg ₂ I ₂ Mercurous iodide Yellow	KO ₃ Sb Potassium pyroantimonate
H ₄ N ₂ O ₂ S Sulfamide	Hg ₂ N ₂ O ₆ Mercurous nitrate	KO ₄ Re Potassium perrhenate
H ₄ N ₂ O ₃ Ammonium nitrate	Hg ₂ O ₄ S Mercurous sulfate	K ₂ F ₇ Nb Potassium niobium fluoride
H ₄ O ₇ P ₂ Pyrophosphoric acid	Ho Holmium	K ₂ O ₃ S Potassium sulfite
H ₄ O ₃₀ SiW ₆ Tungstosilicic acid	Ho ₂ O ₃ Holmium(III) oxide	K ₂ O ₃ T ₂ Potassium tellurite
H ₆ IO ₆ Periodic acid	In Indium	K ₂ O ₄ S Potassium sulfate
H ₆ NNaO ₄ P Sodium ammonium hydrogenphosphate	In ₃ O ₉ Indium(III) nitrate	K ₂ O ₅ S ₂ Potassium pyrosulfite
H ₆ NO ₄ S Ammonium hydrogensulfate	In ₂ O ₃ Indium(III) oxide	K ₂ O ₆ S ₄ Potassium tetrathionate
	In ₂ O ₁₂ S ₃ Indium(III) sulfate	K ₂ O ₈ S ₂ Potassium persulfate
		K ₃ PO ₄ tri-Potassium phosphate

Kr		NO_3TI Thallium(I) nitrate	$\text{Na}_2\text{O}_4\text{S}_2$ Sodium hyposulfite
Krypton			
La		NO_3Sm Samarium nitrate	$\text{Na}_2\text{O}_4\text{W}$ Sodium tungstate
Lanthanum			
LaN_3O_9		N_2NiO_6 Nickel(II) nitrate	$\text{Na}_2\text{O}_5\text{S}_2$ Sodium pyrosulfite
Lanthanum nitrate			
La_2O_3		N_2O_4 Nitrogen tetroxide	$\text{Na}_2\text{O}_6\text{S}_4$ Sodium tetrathionate
Lanthanum oxide			
Li		$\text{N}_2\text{O}_6\text{Pb}$ Lead(II) nitrate	$\text{Na}_2\text{O}_7\text{Si}_3$ Sodium trisilicate
Lithium			
LiNO_3		$\text{N}_2\text{O}_6\text{Pd}$ Palladium nitrate	$\text{Na}_2\text{O}_8\text{S}_2$ Sodium persulfate
Lithiumnitrate			
LiO_4S		$\text{N}_2\text{O}_6\text{Sr}$ Strontium nitrate	Na_2S Sodium sulfide
Lithiumsulfate			
Li_2O		$\text{N}_2\text{O}_6\text{Zn}$ Zinc nitrate	$\text{Na}_3\text{O}_4\text{P}$ tri-Sodiumphosphate (tert)
Lithiumoxide			
Lu_2O_3		$\text{N}_2\text{O}_6\text{U}$ Uranyl nitrate	$\text{Na}_4\text{O}_7\text{P}_2$ tetra-Sodium pyrophosphate
Lutetium oxide			
Mg		N_3Na Sodium azide	Nb Niobium
Magnesium			
MgN_2O_6		N_3NdO_9 Neodymium nitrate	Nb_2O_5 Niobium(V) oxide
Magnesium nitrate			
MgO		$\text{N}_3\text{O}_9\text{Pr}$ Praseodymium nitrate	Nd Neodymium
Magnesium oxide			
Magnesium oxide light		$\text{N}_3\text{O}_9\text{Rh}$ Rhodium(III) nitrate	Nd_2O_3 Neodymium oxide
MgO_2			
Magnesium peroxide light		$\text{N}_3\text{O}_9\text{TI}$ Thallium(III) nitrate	Ni Nickel
MgO_3S_2			
Magnesium thiosulfate		$\text{N}_3\text{O}_9\text{Y}$ Yttrium nitrate	NiO_4S Nickel sulfate
MgO_4S			
Magnesium sulfate		$\text{N}_4\text{O}_{12}\text{Th}$ Thorium nitrate	Ni_2O_3 Nickel(III) oxide Black
Mg_3N_2			
Magnesium nitride		$\text{N}_4\text{O}_{12}\text{Zr}$ Zirconium nitrate	OPb Lead(II) oxide Yellow
Mn			
Manganese		Na Sodium	OPd Palladium oxide
MnNO_6		NaF Sodium fluoride	OSi Silicon monoxide
Manganese(II) nitrate			
MnO_2		NaO_3V Sodium(meta)vanadate	OZn Zinc(II) oxide
Manganese(IV) oxide activated			
Manganese(IV) oxide		$\text{Na}_2\text{F}_6\text{Si}$ Sodium hexafluorosilicate	O_2Pb Lead(IV) oxide
MnO_4S			
Manganese(II) sulfate		Na_2O Sodium oxide	O_2Pt Platinum(IV) oxide
Mo			
Molybdenum		Na_2O_2 Sodium peroxide	O_2Ru Ruthenium(IV) oxide
MoNa_2O_4			
Sodium molybdate		$\text{Na}_2\text{O}_3\text{S}$ Sodium sulfite	O_2S Sulfur dioxide
MoO_3			
Molybdenum(VI) oxide		$\text{Na}_2\text{O}_3\text{S}_2$ Sodium thiosulfate	O_2Se Selenium dioxide
MoS_2			
Molybdenum(IV) sulfide		$\text{Na}_2\text{O}_3\text{Se}$ Sodium selenite	O_2Si Silicic acid Quartz
NNaO_2			
Sodium nitrite		$\text{Na}_2\text{O}_3\text{Si}$ Sodium metasilicate	O_2Sn Tin(IV) oxide
NNaO_3			
Sodium nitrate		$\text{Na}_2\text{O}_4\text{S}$ Sodium sulfate	
NO_3Rb			
Rubidium nitrate			

O_2Te Tellurium dioxide	O_5Ta_2 Tantalum(V) oxide	SZn Zinc sulfide
O_2Th Thorium oxide	O_5V_2 Vanadium(V) oxide	S_3Sb_2 Antimony(III) sulfide
O_2Ti Titanium dioxide	O_7Re_2 Rhenium(VII) oxide	S_5Sb_2 Antimony(V) sulfide
O_2Zr Zirconium oxide	O_7Tb_4 Terbium(III) oxide	Sb Antimony
O_3Rh_2 Rhodium(III) oxide	$O_{11}Pr_6$ Praseodym oxide	Sc Scandium
O_3Sb_2 Antimony(III) oxide	$O_{12}S_3Sc_2$ Scandium sulfate	Se Selenium Black
O_3Sc_2 Scandium oxide	Os Osmium	Si Silicon
O_3SeZn Zinc selenite	P Phosphorous Red	Sm Samarium
O_3Sm_2 Samarium oxide	P_2O_5 Phosphotungstic acid	Sn Tin
O_3Tl_2 Thallium(III) oxide	P_2S_5 Phosphorus pentasulfide	Sr Strontium
O_3Tm_2 Thulium oxide	P_4S_3 Phosphorus sesquisulfide	Ta Tantalum
O_3W Tungsten(VI) oxide	Pb Lead	Tb Terbium
O_3Y_2 Yttrium oxide	PbS Lead(II) sulfide	Te Tellurium
O_3Yb_2 Ytterbium oxide	Pd Palladium Metal Palladium (Sponge) Palladium (Black)	Th Thorium
O_4Os Osmium tetroxide Osmium tetroxide-Solution	Pr Praseodymium	Ti Titanium
O_4Rb_2S Rubidium sulfate	Pt Platinum black	Tl Thallium
O_4SSn Stannous sulfate	Rb Rubidium	Tm Thulium
O_4SSr Strontium sulfate	Re Rhenium	V Vanadium
O_4STl_2 Thallium(I) sulfate	Rh Rhodium	Xe Xenon
O_4SZn Zinc sulfate	Ru Ruthenium	Y Yttrium
O_4V_2 Vanadium(IV) oxide	S Sulfur	Yb Ytterbium
O_5P_2 Phosphorus pentoxide dessicant	SSn Stannic sulfide	Zn Zinc
O_5SV Vanadium(IV) oxide sulfate	STl_2 Thallium(I) sulfide	Zr Zirconium

Spezial-Listen Special sections

Funktionelle Gruppen	811
Schutzgruppen Reagenzien	815
Quaternäre Ammonium- und Phosphoniumverbindungen	820
Diels-Alder Reagenzien	825
Reagenzien zur Enantiomeren Trennung	827
pH-Indikatoren	828
FLUKA-Silylating Agents and Other Silicon Compounds	829
Abkürzungen und Symbole	830

Functional Groups	811
Protecting Group Reagents	815
Quaternary Ammonium- and Phosphonium Compounds	820
Diels-Alder Reagents	825
Reagents for the Resolution of Enantiomers	827
pH-Indicators	828
FLUKA-Silylating Agents and Other Silicon Compounds	829
Abbreviations and Symbols	830

Funktionelle Gruppen

Functionel groups

Die Produkte dieses Kataloges haben wir nach ihren funktionellen Gruppen eingeteilt. Auf Anfrage erhalten Sie eine durch unseren Computer erstellte Liste der für Sie interessanten Gruppen. Bitte geben Sie bei der Bestellung der gewünschten Computerlisten die entsprechende Codenummer an.

The products indicated in this catalogue are listed according to the functional groups contained therein. Please indicate code number of the computer outprints you are interested in.

Funktionelle Gruppen der FLUKA-Produkte

1 Acetale und Ketale

Aether-Verbindungen mit der Formel R-O-R, R bedeutet gleiche oder verschiedene organische Substituenten

- 2 Alkylaether, Sauerstoff direkt an 2 aliphatischen Gruppen, die aliphatischen Gruppen können aromatische Substituenten haben
- 3 Arylaether, Sauerstoff direkt an 2 aromatischen Gruppen
- 4 Aralkylaether, Sauerstoff direkt an einer aliphatischen und einer aromatischen Gruppe
- 5 Cyclische Aether, Sauerstoff in einem Ringsystem
- 6 Gemischte Aether, inkl. jene, bei denen der Sauerstoff wenigstens an eine heterocyclische Gruppe gebunden ist

Aldehyde

- 7 Aliphatische Aldehyde
- 8 Aromatische Aldehyde
- 9 Gemischte Aldehyde, inkl. alicyclische und heterocyclische

Amine und Aminsäuren, exkl. Aminosäuren und Peptide

- 10 Aliphatische und alicyclische Amine, inkl. Aralkylamine
- 11 Aromatische Amine

Heterocyclische Amine

- 12 Piperidine und Pyridine, exkl. kondensierte Ringsysteme
- 13 Indole und Indoline, exkl. kondensierte Ringsysteme
- 14 Purine, Pyrimidine und verwandte Verbindungen, inkl. kondensierte Ringsysteme
- 15 Gemischte heterocyclische Amine und nicht klassierte Verbindungen
- 16 α -Aminosäuren und Peptide
Verbindungen, enthaltend die Gruppe $\text{N}-\text{C}(\text{O})-\text{O}-$ und deren Derivate
- 17 Azo-, Azoxy- und Diazoverbindungen

Carbonsäuren, Anhydride und Salze exkl. α -Aminosäuren, Peptide, Purine und Pyrimidine

- 18 Aliphatische Säuren
- 19 Aromatische Säuren
- 20 Alicyclische Säuren
- 21 Gemischte Säuren inkl. heterocyclische Säuren und oben nicht klassierte
- 22 Carbonsäureamide, Imide und Lactame, exkl. Purine, Pyrimidine und Amide von α -Aminosäuren und Peptiden
- 23 Carbonsäureester und Lactone, exkl. Purine, Pyrimidine und Ester von α -Aminosäuren und Peptiden
- 24 Carbonsäurehalogenide, exkl. Purine, Pyrimidine und Säurehalogenide von α -Aminosäuren und Peptiden
- 25 Cyanate, Isocyanate, Isothiocyanate und Thiocyanate
- 26 Deuterierte Verbindungen

Halogenverbindungen, exkl. Säurehalogenide und Salze

- 27 Aliphatische Halogenverbindungen
- 28 Aromatische Halogenverbindungen
- 29 Alicyclische Halogenverbindungen
- 30 Fluorkohlenstoff-Verbindungen
- 31 Gemischte und heterocyclische Verbindungen
- 32 Harnstoffe und Thioharnstoffe
- 33 Hydrazine, Hydrazide, Hadrazone, Osazone und verwandte Verbindungen
Verbindungen, enthaltend die Gruppe $=\text{N}-\text{N}=$, wobei nur ein Stickstoff zu einem heterocyclischen Ring gehört

Hydroxyverbindungen, exkl. Purine und Pyrimidine

- 34 Aliphatische und alicyclische Hydroxyverbindungen, enthaltend eine Hydroxylgruppe an einem Kohlenstoff einer aliphatischen oder alicyclischen Gruppe
- 35 Phenole

- 36 Gemischte Hydroxyverbindungen
noch nicht klassierte

- 37 **Imine**, Verbindungen enthaltend die Gruppe $\begin{array}{c} \text{NH} \\ || \\ -\text{C}- \end{array}$ (Imine, in welchen der Stickstoff ein integrierter Teil einer Ringstruktur ist, sind nicht hier klassiert)

Ketone

- 38 Alkylketone, die Carbonylgruppe ist an zwei aliphatische Gruppen gebunden (diese aliphatischen Gruppen können aromatische Substituenten haben)
- 39 Arylketone, die Carbonylgruppe ist an zwei aromatische Gruppen gebunden
- 40 Aralkylketone, die Carbonylgruppe ist an eine aliphatische und eine aromatische Gruppe gebunden
- 41 Cyclische Ketone und Chinone
- 42 β -Diketone, Verbindungen, enthaltend die Gruppe $\begin{array}{c} \text{O} \quad \text{O} \\ || \quad || \\ -\text{C}-\text{C}-\text{C}- \end{array}$
- 43 Gemischte Ketone, inkl. heterocyclische
- 44 **Kohlenhydrate**, Zucker und verwandte Verbindungen, inkl. Nucleoside Zuckeralkohole und Zuckersäuren

Kohlenwasserstoffe

- 45 Alkane, gesättigte aliphatische Kohlenwasserstoffe
- 46 Alkene, Kohlenwasserstoffe mit einem aliphatischen Teil, enthaltend eine Doppelbindung
- 47 Alkadiene, Kohlenwasserstoffe mit einem aliphatischen Teil, enthaltend zwei Doppelbindungen
- 48 Kondensierte Kohlenwasserstoffkerne
- 49 Gemischte Kohlenwasserstoffe, noch nicht klassierte
- 50 **Nitrile**
- 51 **Nitro- und Nitrosoverbindungen**

Organometallische Verbindungen, inkl. Schwermetallsalze der Carboxylsäuren

- 52 Ferrocene und Analoge
- 53 Organische Bleiverbindungen
- 54 Organische Quecksilberverbindungen
- 55 Organische Arsenverbindungen
- 56 Organische Zinnverbindungen
- 57 Gemischte organische Metallverbindungen
- 58 **Oxime**
- 59 **Peroxide und Persäuren**
- 60 **Organische Phosphorverbindungen**
- 61 **Quaternäre Stickstoffverbindungen**

Schwefelverbindungen, exkl. α -Aminosäuren, Peptide, Isothiocyanate, Thiocyanate und Thioharnstoffe

- 62 Sulfide und Disulfide, inkl. cyclische Verbindungen wie Thiophene und Thiazole
- 63 Sulfone und Sulfoxide
- 64 Sulfonsäuren und deren Salze
- 65 Thiole und deren Salze
- 66 Sulfonamide
- 67 Sulfonylhalogenide
- 68 Gemischte Schwefelverbindungen und noch nicht klassierte
- 69 **Siliciumverbindungen**

Protecting-Group reagents according to chemical function

with generally used abbreviations for reagents and blocking groups

Literature: J.F.W.McOmie "Protective Groups in Organic Chemistry", Plenum Press, London and New York 1973.
 E.Wünsch in Houben-Weyl "Methoden der organischen Chemie", Vol. 15/1, Georg Thieme Verlag, Stuttgart, Germany 1975.
 R.I.Zhdanov "Chemical Methods of Oligonucleotide Synthesis", Synthesis, 222-245 (1975).
 H.Kössel, H.Seliger "Recent Advances in Polynucleotide Synthesis" in Fortschritte der Chemie organischer Naturstoffe, Vol. 32, 297-508 (1975).
 V.Amarnath, A.D.Broom "Chemical Synthesis of Oligonucleotides", Chem.Rev. 77, 183-217 (1977).
 M.V.Kashutina et al. "Silylation of Organic Compounds", Russian Chem. Rev. 44, 733 (1975).
 B.E.Cooper "Silylation as a Protective Method in Organic Synthesis", Chemistry and Industry, (1978), 794.
 J.F.W.McOmie "Protecting Groups", Chemistry and Industry, (1979), 603.

Acetylenes $RC\equiv CR'$

19905 tert-Butyldimethylchlorosilane, TBDMSCI
 60811 Cobalt carbonyl
 92756 Ethyl trimethylsilylacetate, ETSA TMS
 92360 Trimethylchlorosilane, TMCS TMS

Aldehydes, aromatic $ArCHO$

63390 Malononitrile
 28460 Methyl cyanoacetate

Aldehydes $RCHO$

00660 Acetone dimethyl acetal
 18105 3-Bromo-1,2-propanediol
 00660 2,2-Dimethoxypropane
 40680 N,N-Dimethylhydrazine (asym.)
 41510 2,2-Dimethyl-1,3-propanediol
 60166 Ethane dithiobis (trimethylsilane)
 02390 1,2-Ethanedithiol
 03750 Ethylene glycol
 55460 Hydroxylamine hydrochloride
 00670 Isopropenyl acetate
 92758 (Methylthio)trimethylsilane
 79222 Phenylthiotrimethylsilane
 81800 1,3-Propanedithiol
 75585 Tetraethyl orthocarbonate
 87680 Tetramethoxysilane
 75588 Tetramethyl orthocarbonate
 89791 Toluene-4-sulfonyl hydrazide
 75530 Triethyl orthoformate
 75550 Trimethyl orthoformate
 92755 Trimethylsilyl cyanide
 92758 Trimethylsilyl methyl sulfide

Alcohols ROH

45830 Acetic anhydride Ac
 00660 Acetone dimethyl acetal
 05860 Allyl bromide
 23150 Allyl chloroformate, AIOC-Cl AIOC
 12370 Benzoic anhydride Bz
 12930 Benzoyl chloride Bz
 13055 3-Benzoylpropionic acid
 13250 Benzyl bromide Bzl
 13270 Benzyl chloride Bzl
 23160 Benzyl chloroformate, Z-Cl Z
 56535 Benzyl N-(1-hydroxy-2,2,2-trifluoro-ethyl)carbamate ZTE
 12225 Bistrifluoroacetamide, BTFA TFA
 15241 N,O-Bis(trimethylsilyl)acetamide, BSA TMS
 15236 N,O-Bis(trimethylsilyl)carbamate, BSC TMS
 15660 Boric acid
 18560 Bromotriphenylmethane, TRT-Br TRT
 19905 tert-Butyldimethylchlorosilane, TBDMSCI
 91742 tert-Butyldimethylsilyltrifluorosulfonate
 19938 tert-Butyldiphenylchlorosilane
 20680 Butyl vinyl ether
 19260 Butyric anhydride

24550 Chloroacetic anhydride MCA
 24271 5-Chlorodibenzosuberane
 24190 Chlorodimethyl sulfide
 93000 Chlorotriphenylmethane, TRT-Cl TRT
 32575 N,N-Diethyltrimethylsilylamine, TMSDEA TMS
 37350 3,4-Dihydro-2H-pyran THP, TPa
 00660 2,2-Dimethoxypropane
 38827 4,4'-Dimethoxytrityl chloride DMTRT
 40271 N,N-Dimethylformamide dimethyl acetal
 40281 N,N-Dimethylformamide dineopentyl acetal
 41610 Dimethyl sulfate
 41720 N,N-Dimethyltrimethylsilylamine, TMSDMA TMS
 42010 2,4-Dinitrobenzenesulfonyl chloride
 43340 1,3-Diphenyl-1,1,3,3-tetramethyldisilazane
 23131 Ethyl chloroformate EOC
 91876 S-Ethyl trifluorothioacetate TFA
 92756 Ethyl trimethylsilylacetate, ETSA TMS
 05010 Ethyl vinyl ether EE
 06440 Formic acid FOR
 52619 Hexamethyldisilazane, HMDS TMS
 52630 Hexamethyldisiloxane, HMDSO TMS
 52643 Hexamethyldisilthiane TMS
 67692 Iodomethane
 23191 Isobutyl chloroformate iBOC
 58551 Isobutylene tBu
 58390 Isobutyric anhydride
 59262 Isopropenyl methyl ether
 58890 Isovaleryl chloride
 61380 Levulinic acid
 64260 Methanesulfonyl chloride, Mes-Cl
 64840 4-Methoxybenzyl alcohol MBZ, MOB
 64735 2-Methoxyethoxymethyl chloride MEM
 23208 2-Methoxyethyl chloroformate
 59262 2-Methoxypropene
 65367 4-Methoxytrityl chloride
 67692 Methyl iodide
 58551 2-Methylpropene tBu
 65945 N-Methyl-bis(trifluoroacetamide), MBTFA TFA
 92758 (Methylthio)trimethylsilane, TMS-SMe TMS
 69480 N-Methyl-N-trimethylsilylacetamide, MSA TMS
 69482 N-Methyl-N-trimethylsilyltrifluoroacetamide, MSTFA TMS
 69577 Methyl vinyl ether
 70980 1-Naphthyl isocyanate (α)
 73120 4-Nitrobenzoyl chloride 4NBz
 23240 4-Nitrophenyl chloroformate
 23155 4-(Phenylazo)benzyl chloroformate, PAZ-Cl PAZ
 23250 Phenyl chloroformate
 78390 Phenyldimethylchlorosilane
 78750 Phenyl isocyanate PAC
 80910 Pivaloyl chloride
 81940 Propionic anhydride
 89730 Toluene-4-sulfonyl chloride, TOS-Cl TOS, Ts
 91260 Trichloroacetic anhydride
 90383 Triethylchlorosilane TES

75530	Triethyl orthoformate	
91720	Trifluoroacetic anhydride	TFA
92337	Trimethylbromosilane, TMB	TMS
92360	Trimethylchlorosilane, TMCS	TMS
75582	Trimethyl orthoacetate	
92753	Trimethylsilyl azide, TMSA	TMS
32575	N-Trimethylsilyldiethylamine, TMSDEA	TMS
41720	N-Trimethylsilyldimethylamine, TMSDMA	TMS
92751	1-Trimethylsilylimidazole, TMSI	TMS
69480	N-Trimethylsilyl-N-methylacetamide, MSA	TMS
92758	Trimethylsilyl methyl sulfide, TMS-SMe	TMS
69482	N-Trimethylsilyl-N-methyltrifluoroacetamide, MSTFA	TMS
18560	Triphenylbromomethane, TRT-Br	TRT
93000	Triphenylchloromethane, TRT-Cl	TRT
56535	N-Z-I-hydroxy-2,2,2-trifluoroethylamine	ZTE

Amines (Guanidine)

23160	Benzyl chloroformate, Z-Cl	Z
34660	Di-tert-butyl dicarbonate, (BOC) ₂ O FLUKA	BOC
63932	2-Mesitylene sulfonyl chloride, MTS-Cl	MTS
23230	4-Nitrobenzyl chloroformate	NZ
89730	Toluene-4-sulfonyl chloride, TOS-Cl	TOS, T

Amines (Imidazole)

46465	Adamantyl fluoroformate, ADOC-F	ADOC
13250	Benzylbromide	Bzl
56535	Benzyl N-(1-hydroxy-2,2,2-trifluoroethyl) carbamate	ZTE
24482	Chlorodiphenylmethane	DPM
13270	Benzyl chloride	Bzl
42080	2,4-Dinitrofluorobenzene	DNP
24482	Diphenylmethyl chloride	DPM
23160	Benzyl chloroformate	Z
18560	Bromotriphenyl methane	TRT
19470	tert-Butyl alcohol	tBu
34660	Di-tert-butyl dicarbonate, (BOC) ₂ O FLUKA	BOC
18560	Triphenylbromomethane	TRT
89730	Toluene-4-sulfonyl chloride, TOS-Cl	TOS
93000	Triphenylchloromethane	TRT

Amines, primary RNH₂

00900	Acetylacetone	MAV
12010	Benzaldehyde	BAL
12830	Benzoylacetone	MBV
13250	Benzyl bromide	Bzl
13270	Benzyl chloride	Bzl
31650	2,5-Diethoxytetrahydrofuran (cis + trans)	
38490	Dimedone	DcHe
43095	Diphenylmaleic anhydride	DMP
43366	1,2-Diphenylvinylene carbonate	OXBn
02620	N-Ethoxycarbonylphthalimide	PHT
55890	2-Hydroxy-1-naphthaldehyde	HNAL
64940	N-Methoxycarbonylmaleimide	MAL=
00900	2,4-Pentanedione	MAV

Amines, primary and secondary RNH-

45830	Acetic anhydride	Ac
46465	Adamantyl fluoroformate, ADOC-F	ADOC
23150	Allyl chloroformate, AIOC-Cl	AIOC
12930	Benzoyl chloride	Bz
13030	2-(Benzoyloxymethyl)benzoic acid	
13032	2-(Benzoyloxymethyl)benzoyl chloride	
23160	Benzyl chloroformate, Z-Cl	Z
96905	O-Benzyl S-(4,6-dimethyl-2-pyrimidyl) thiocarbonate, Z-S	Z
13630	S-Benzyloxycarbonylthiosulfuric acid sodium salt	Z

78826	Benzylsulfonyl chloride, BYS-Cl	BYS
14452	2-(4-Biphenyl)propyl 4'-methoxy-carbonylphenyl carbonate	BPOC
15225	Bistrifluoroacetamide, BTFA	TFA
15241	N,O-Bis(trimethylsilyl)acetamide, BSA	TMS
15459	S-BOC-2-mercapto-4,6-dimethyl-pyrimidine, BOC-S	BOC
15475	2-(BOC-oxyimino)-2-phenylacetonitrile, BOC-ON	BOC
18560	Bromotriphenylmethane, TRT-Br	TRT
23170	2-Bromoethyl chloroformate, BEOC-Cl	BEOC
20428	N-(tert-Butoxycarbonyloxy)phthalimide	BOC
20430	N-(tert-Butoxycarbonyloxy)succinimide, BOC-OSU	BOC
20433	1-(tert-Butoxycarbonyl)-1H-1,2,4-triazole	BOC
19740	tert-Butyl carbazate, BOC-hydrazide	BOC
19905	tert-Butyldimethylchlorosilane, TBDMSCI	
15459	O-tert-Butyl S-(4,6-dimethyl-2-pyrimidyl) thiocarbonate, BOC-S	BOC
19938	tert-Butyldiphenylchlorosilane	t-BDP-Si
20375	tert-Butyl 4-nitrophenyl carbonate, BOC-ONP	BOC
20528	tert-Butyl phenyl carbonate	BOC
19743	tert-Butyl 8-quinolyl carbonate	BOC
20660	tert-Butyl 2,4,5-trichlorophenyl carbonate	BOC
24271	5-Chlorodibenzosuberane	
93000	Chlorotriphenylmethane, TRT-Cl	TRT
27430	Citraconic anhydride	
33425	Di-tert-amyl dicarbonate, (AOC) ₂ O	AOC
34660	Di-tert-butyl dicarbonate, (BOC) ₂ O FLUKA	BOC
32575	N,N-Diethyltrimethylsilylamine, TMSDEA	TMS
38481	Diketene	ACA
38754	3,5-Dimethoxy- α,α -dimethylbenzyloxy-carbonyl hydrazide, DDZ-hydrazide	DDZ
41720	N,N-Dimethyltrimethylsilylamine, TMSDMA	TMS
43340	1,3-Diphenyl-1,1,3,3-tetramethyl-disilazane	
91876	S-Ethyl trifluorothioacetate	TFA
23185	9-Fluoroenylmethyl chloroformate, FMOC-Cl	FMOC
06440	Formic acid anhydrous	FOR
52619	Hexamethyldisilazane, HMDS	TMS
52643	Hexamethyldisilthiane	TME
63200	Maleic anhydride	MAL-
58815	4-Methoxybenzyl carbazate	MOZ, PMZ
81115	O-(4-Methoxybenzyl S-(4,6-dimethyl-2-pyrimidyl) thiocarbonate, PMZ-S	MOZ, PMZ
65945	N-Methyl-bis(trifluoroacetamide) MBTFA	TFA
69227	2-(Methylsulfonyl)ethyl 4-nitrophenyl carbonate, MSOC-ONP	MSOC
92758	(Methylthio)trimethylsilane, TMS-SMe	TMS
69480	N-Methyl-N-trimethylsilylacetamide, MSA	TMS
69482	N-Methyl-N-trimethylsilyltrifluoroacetamide, MSTFA	TMS
73740	2-Nitrophenylsulfenyl chloride, NPS-Cl	NPS
23230	4-Nitrobenzyl chloroformate, NZ-Cl	NZ
23155	4-(Phenylazo)benzyl chloroformate, PAZ-Cl	PAZ
78826	Phenylmethanesulfonyl chloride, BYS-Cl	BYS
81115	S-PMZ-2-mercapto-4,6-dimethyl-pyrimidine, PMZ-S	MOZ, PMZ
78826	α -Toluenesulfonyl chloride, BYS-Cl	BYS
89730	Toluene-4-sulfonyl chloride, TOS-Cl	TOS, Ts
89815	Toluene-4-sulfonyl isocyanate	TAC
23259	2,2,2-Trichloro-tert-butyl chloroformate, TCBOC-Cl	TCBOC
23258	2,2,2-Trichloroethyl chloroformate, TEOC-Cl	TEOC
90383	Triethylchlorosilane	TES
91720	Trifluoroacetic anhydride	TFA
92360	Trimethylchlorosilane, TMCS	TMS

32575	N-Trimethylsilyldiethylamine, TMSDEA	TMS
41720	N-Trimethylsilyldimethylamine, TMSDMA	TMS
69480	N-Trimethylsilyl-N-methylacetamide, MSA	TMS
92758	Trimethylsilyl methyl sulfide, TMS-SMe	TMS
69482	N-Trimethylsilyl-N-methyltrifluoroacetamide, MSTFA	TMS
18560	Triphenylbromomethane, TRT-Br	TRT
93000	Triphenylchloromethane, TRT-Cl	TRT
23260	2-(Triphenylphosphonio)ethyl chloroformate chloride, PEOC-Cl	PEOC
96905	S-Z-2-mercapto-4,6-dimethylpyrimidine, Z-S	Z
13630	S-Z-thiosulfuric acid sodium salt	Z

Carboxylic acid amides RCONH₂

15241	N,O-Bis(trimethylsilyl)acetamide, BSA	TMS
32575	N,N-Diethyltrimethylsilylamine, TMSDEA	TMS
38645	4,4'-Dimethoxybenzhydrol	DOD
40260	N,N-Dimethylformamide dibenzyl acetal	Bzl
41720	N,N-Dimethyltrimethylsilylamine, TMSDMA	TMS
69482	N-Methyl-N-trimethylsilyltrifluoroacetamide, MSTFA	TMS
32575	N-Trimethylsilyldiethylamine, TMSDEA	TMS
41720	N-Trimethylsilyldimethylamine, TMSDMA	TMS
69482	N-Trimethylsilyl-N-methyltrifluoroacetamide, MSTFA	TMS
95580	Xanthydrol	XANT

Carboxylic acids RCOOH

08580	2-Amino-2-methyl-1-propanol	
12040	Benzaldoxime	
42880	Benzhydrol	Bzh
13160	Benzyl alcohol	Bzl
13282	Benzyl chloromethyl ether	
15241	N,O-Bis(trimethylsilyl)acetamide, BSA	TMS
15236	N,O-Bis(trimethylsilyl)carbamate, BSC	TMS
16140	2-Bromoethanol	
17970	4-Bromophenacyl bromide	
18560	Bromotriphenylmethane, TRT-Br	TRT
45880	tert-Butyl acetate	tBu
19460	tert-Butyl alcohol	tBu
19905	tert-Butyldimethylchlorosilane, TBDMSCI	
19938	tert-Butyldiphenylchlorosilane	
24271	5-Chlorodibenzosuberane	
23000	2-Chloroethanol	
23050	2-Chloroethyl methyl sulfide	
25102	9-(Chloromethyl)anthracene	
25210	N-(Chloromethyl)phthalimide	PIM
93000	Chlorotriphenylmethane, TRT-Cl	TRT
96330	Cinnamyl alcohol	
32575	N,N-Diethyltrimethylsilylamine, TMSDEA	TMS
37350	3,4-Dihydro-2H-pyran	THP, TPa
38405	N,N'-Diisopropylhydrazine hydrochloride	
40260	N,N-Dimethylformamide dibenzyl acetal	Bzl
40252	N,N-Dimethylformamide diethyl acetal	
40281	N,N-Dimethylformamide dineopentyl acetal	
41720	N,N-Dimethyltrimethylsilylamine, TMSDMA	TMS
42010	2,4-Dinitrobenzenesulfenyl chloride	
42880	Diphenylcarbinol	Bzh
43340	1,3-Diphenyl-1,1,3,3-tetramethyldisilazane	
52619	Hexamethyldisilazane, HMDS	TMS
52643	Hexamethyldisilthiane	TMS
55614	2-(Hydroxymethyl)anthraquinone	MAQ
55790	4-(Hydroxymethyl)pyridine	
56390	3-Hydroxypyridine	
58551	Isobutylene	tBu

00670	Isopropenyl acetate	
65140	4-Methoxyphenacyl bromide	
66638	O-Methyl-N,N'-diisopropylisourea	Me
67815	4-(Methylmercapto)phenol	
58551	2-Methylpropene	tBu
92758	(Methylthio)trimethylsilane, TMS-SMe	TMS
69480	N-Methyl-N-trimethylsilylacetamide, MSA	TMS
69482	N-Methyl-N-trimethylsilyltrifluoroacetamide, MSTFA	TMS
73160	4-Nitrobenzyl alcohol	NB
73170	4-Nitrobenzyl bromide	NB
73185	4-Nitrobenzyl chloride	NB
77450	Phenacyl bromide	
77460	Phenacyl chloride	
77610	Phenol	
80830	Piperonyl alcohol	
55070	8-Quinolinol	
75535	Tribenzyl orthoformate	Bzl
91120	2,2,2-Trichloroethanol	
90383	Triethylchlorosilane	TES
92360	Trimethylchlorosilane, TMCS	TMS
32575	N-Trimethylsilyldiethylamine, TMSDEA	TMS
41720	N-Trimethylsilyldimethylamine, TMSDMA	TMS
92747	2-Trimethylsilylethanol, HOTmse	Tmse
69480	N-Trimethylsilyl-N-methylacetamide, MSA	TMS
92758	Trimethylsilyl methyl sulfide, TMS-SMe	TMS
69482	N-Trimethylsilyl-N-methyltrifluoroacetamide, MSTFA	TMS
18560	Triphenylbromomethane, TRT-Br	TRT
93000	Triphenylchloromethane, TRT-Cl	TRT

Dials

00660	Acetone dimethyl acetal	
10440	Anisaldehyde	
12010	Benzaldehyde	
12025	Benzaldehyde dimethyl acetal	
12750	Benzophenone	BAL
15660	Boric acid	
23490	4-Chlorobenzaldehyde	
29155	Cyclohexanone ethylene acetal	
29760	Cyclopentanone	
32070	Diethyl carbonate	
39619	2,4-Dimethoxybenzaldehyde	
00660	2,2-Dimethoxypropane	
39070	4-Dimethylaminobenzaldehyde	
39879	Dimethyl carbonate	
42900	Diphenyl carbonate	
47649	Formaldehyde dimethyl acetal	
72800	4-Nitrobenzaldehyde	
78181	Phenylboric acid	
78380	Phosgene 20% in toluene	
80570	Pinacolone dist.	
75585	Tetraethyl orthocarbonate	
75588	Tetramethyl orthocarbonate	
75570	Triethyl orthobenzoate	
75582	Trimethyl orthoacetate	
75550	Trimethyl orthoformate	

Ketones RCOR'

13180	Benzylamine	
13540	Benzyl mercaptan	
15241	N,O-Bis(trimethylsilyl)acetamide, BSA	TMS
15247	Bis(trimethylsilyl)formamide, BSF	TMS
18105	3-Bromo-1,2-propanediol	
19905	tert-Butyldimethylchlorosilane, TBDMSCI	
91742	tert-Butyl dimethylsilyltrifluorosulfonate	
19938	tert-Butyldiphenylchlorosilane	
40251	N,N-Dimethylformamide ethylene acetal	
40680	N,N-Dimethylhydrazine (asym.)	
41510	2,2-Dimethyl-1,3-propanediol	

42210	2,4-Dinitrophenylhydrazine	
43340	1,3-Diphenyl-1,1,3,3-tetramethyldi-silazane	
60166	Ethane dithiobis(trimethylsilane)	
02390	1,2-Ethanedithiol	
04290	Ethanethiol	EtS
03750	Ethylene glycol	
91876	S-Ethyl trifluorothioacetate	
92756	Ethyl trimethylsilylacetate, ETSA	TMS
04290	Ethyl mercaptan	
52619	Hexamethyldisilazane, HMDS	TMS
55460	Hydroxylamine hydrochloride	
58118	Iodotrimethylsilane	
00670	Isopropenyl acetate	
63690	2-Mercaptoethanol	
92758	(Methylthio)trimethylsilane, TMS-SMe	
64282	N-Methyl-N-trimethylsilyltrifluoro-acetamide, MSTFA	TMS
41418	Phenyldimethylsilane	
79222	Phenylthiotrimethylsilane	
81800	1,3-Propanedithiol	
83240	Pyrrolidine	
84940	Semicarbazide hydrochloride	
87680	Tetramethoxysilane	
89791	Toluene-4-sulfonyl hydrazide	
91120	2,2,2-Trichloroethanol	
90383	Triethylchlorosilane	TES
92337	Trimethylbromosilane, TMBS	TMS
92360	Trimethylchlorosilane, TMCS	TMS
92755	Trimethylsilyl cyanide	
64296	Trimethylsilyl methanesulfonate	TMS
92758	Trimethylsilyl methyl sulfide, TMS-SMe	
64282	N-Trimethylsilyl-N-methyltrifluoro-acetamide, MSTFA	TMS
91741	Trimethylsilyl trifluoromethanesulfonate	

Phenols ArOH

45830	Acetic anhydride	Ac
00660	Acetone dimethyl acetal	
13250	Benzyl bromide	Bzl
13270	Benzyl chloride	Bzl
96905	O-Benzyl S-(4,6-dimethyl-2-pyrimidyl) thiocarbonate	Z
13630	S-Benzoyloxycarbonylthiosulfuric acid sodium salt	Z
18560	Bromotriphenylmethane, TRT-Br	TRT
22880	Chloroacetyl chloride	MCA
24390	Chlorodimethyl sulfide	MTM
24482	Chlorodiphenylmethane	DPM
25102	9-(Chloromethyl)anthracene	
24390	Chloromethyl methyl sulfide	MTM
93000	Chlorotriphenylmethane, TRT-Cl	TRT
37350	3,4-Dihydro-2H-pyran	THP, TPa
00660	2,2-Dimethoxypropane	
41610	Dimethyl sulfate	
24482	Diphenylmethyl chloride	DPM
23131	Ethyl chloroformate	EOC
52619	Examethyldisilazane, HMDS	TMS
67692	Iodomethane	
23191	Isobutyl chloroformate	iBOC
58551	Isobutylene	tBu
23201	Isopropyl chloroformate	PrOC
65140	4-Methoxyphenacyl bromide	
23211	Methyl chloroformate	MOC
67692	Methyl iodide	
58551	2-Methylpropene	tBu
77450	Phenacyl bromide	
77460	Phenacyl chloride	
78750	Phenyl isocyanate	PAC
92360	Trimethylchlorosilane, TMCS	TMS
18560	Triphenylbromomethane, TRT-Br	TRT

93000	Triphenylchloromethane, TRT-Cl	TRT
96905	S-Z-2-mercapto-4,6-dimethylpyrimidine, Z-S	Z
13630	S-Z-thiosulfuric acid sodium salt	Z

Phosphate diesters (RO)₂P(O)OH

42880	Benzhydrol	Bzh
25840	3-Chlorophenol	
56270	2-Cyanoethanol	CE
42880	Diphenylcarbinol	Bzh
47260	2-Fluorophenol	
56270	3-Hydroxypropionitrile	CE
66638	O-Methyl-N,N'-diisopropylisourea	Me
77610	Phenol	

Phosphate monoesters ROP(O)(OH)₂

07750	4-Amino-N,N-dimethylaniline	
09160	4-Aminophenol	
09252	4-Aminophenyltriphenylmethane	TPM
10400	Aniline	PhNH
10490	p-Anisidine	
12040	Benzaldoxime	
42880	Benzhydrol	Bzh
13160	Benzyl alcohol	Bzl
19460	tert-Butyl alcohol	tBu
25580	4-Chloro-2-nitrophenol	
25820	2-Chlorophenol	
56270	2-Cyanoethanol	CE
42160	2,4-Dinitrophenol	
42880	Diphenylcarbinol	Bzh
04290	Ethanethiol	EtS
46915	9-Fluorenylmethanol	
54490	2-(2-Hydroxyethyl)pyridine	
56011	2-Hydroxy-5-nitrobenzyl bromide	
56270	3-Hydroxypropionitrile	CE
10490	4-Methoxyaniline	
66638	O-Methyl-N,N'-diisopropylisourea	
67815	4-(Methylmercapto)phenol	
73140	2-Nitrobenzyl alcohol	
73180	2-Nitrobenzyl chloride	
55070	8-Quinololinol	
91120	2,2,2-Trichloroethanol	
09252	4-Tritylaniline	TPM

Thiols, RSH and ArSH

45830	Acetic anhydride	AC
00990	Acetyl chloride	AC
12930	Benzoyl chloride	Bz
13250	Benzyl bromide	Bzl
13270	Benzyl chloride	Bzl
23160	Benzyl chloroformate, Z-Cl	Z
96905	O-Benzyl S-(4,6-dimethyl-2-pyrimidyl) thiocarbonate, Z-S	Z
56535	Benzyl N-(1-hydroxy-2,2,2-trifluoroethyl) carbamate	ZTE
13630	S-Benzoyloxycarbonylthiosulfuric acid sodium salt	Z
38645	Bis(4-methoxyphenyl) carbinol	DOD
15225	Bistrifluoroacetamide, BTFA	TFA
15241	N,O-Bis(trimethylsilyl)acetamide, BSA	TMS
15459	S-BOC-2-mercapto-4,6-dimethyl-pyrimidine, BOC-S	BOC
15475	2-(BOC-oxymino)-2-phenylacetonitrile, BOC-ON	BOC
19700	2-Bromo-2-methylpropane	
18560	Bromotriphenylmethane, TRT-Br	TRT
20428	N-(tert-Butoxycarbonyloxy)phthalimide	BOC
20430	N-(tert-Butoxycarbonyloxy)succinimide, BOC-OSU	BOC

20433	N-tert-Butoxycarbonyl-1H-1,2,4-triazole	BOC	65945	N-Methyl-bis(trifluoroacetamide), MBTFA	TFA
45880	tert-Butyl acetate		20230	2-Methyl-2-propanethiol	
19740	tert-Butyl carbazate, Boc-hydrazide	BOC	58551	2-Methyl propene	
15459	O-tert-Butyl S-(4,6-dimethyl-2-pyrimidyl) thiocarbonate, BOC-S	BOC	92758	(Methylthio)trimethylsilane, TMS-SMe	TMS
20230	tert-Butyl mercaptan	StBu	69482	N-Methyl-N-trimethylsilyltrifluoroacetamide, MSTFA	TMS
20375	tert-Butyl 4-nitrophenyl carbonate, BOC-ONP	BOC	73170	4-Nitrobenzyl bromide	NB
20528	tert-Butyl phenyl carbonate	BOC	73185	4-Nitrobenzyl chloride	NB
19743	tert-Butyl 8-quinolyl carbonate	BOC	23230	4-Nitrobenzyl chloroformate, NZ-Cl	NZ
20660	tert-Butyl 2,4,5-trichlorophenyl carbonate	BOC	53815	PMZ-hydrazide	PMZ, MOZ
24271	5-Chlorodibenzosuberane		81115	S-PMZ-2-mercapto-4,6-dimethylpyrimidine, PMZ-S	PMZ, MOZ
24482	Chlorodiphenylmethane	DPM	59590	2-Propanethiol	
25102	9-(Chloromethyl)anthracene		71989	Sodium sulfite	
19780	2-Chloro-2-methylpropane		72030	Sodium tetrathionate	
93000	Chlorotriphenylmethane, TRT-Cl	TRT	90383	Triethylchlorosilane	TES
37350	3,4-Dihydro-2H-pyran	TPa, TMP	91720	Trifluoroacetic anhydride	TFA
34660	Di-tert-butyl dicarbonate, (BOC) ₂ O FLUKA	BOC	92360	Trimethylchlorosilane, TMCS	TMS
32575	N,N-Diethyltrimethylsilylamine, TMSDEA	TMS	32575	N-Trimethylsilyldiethylamine, TMSDEA	TMS
38645	4,4'-Dimethoxybenzhydrol	DOD	41720	N-Trimethylsilyldimethylamine, TMSDMA	TMS
41720	N,N-Dimethyltrimethylsilylamine, TMSDMA	TMS	92758	Trimethylsilyl methyl sulfide, TMS-SME	TMS
42880	Diphenyl carbinol	DPM	69482	N-Trimethylsilyl-N-methyltrifluoroacetamide, MSTFA	TMS
24482	Diphenylmethyl chloride	DPM	18560	Triphenylbromomethane, TRT-Br	TRT
04200	Ethyl isocyanate	EAC	93000	Triphenylchloromethane, TRT-Cl	TRT
91876	S-Ethyl trifluorothioacetate	TFA	93060	Triphenylmethanol	TRT
52619	Hexamethyldisilazane, HMDS	TMS	96905	S-Z-2-mercapto-4,6-dimethylpyrimidine, Z-S	Z
52643	Hexamethyldisilthiane	TMS	13660	S-Z-thiosulfuric acid sodium salt	Z
64840	4-Methoxybenzyl alcohol	MOB, MBZ	56535	N-Z-1-hydroxy-2,2,2-trifluoroethylamine	ZTE
53815	4-Methoxybenzyl carbamate	PMZ, MOZ			
81115	O-(4-Methoxybenzyl) S-(4,6-dimethyl-2-pyrimidyl) thiocarbonate, PMZ-S	MOZ, PMZ			

"Naked" Anions

- "Aliquat 336" see 91042 Tricaprylyltrimethylammonium chloride techn.
- 06425 Amberlyst A-26
- 06426 Amberlyst A-27
- 06431 Amberlite IRA-400
- 06432 Amberlite IRA-401
- 06433 Amberlite IRA-410
- 06438 Amberlite CG-400
- 06451 Amberlite CG-400
- 13288 N-Benzylcinchoninium chloride
- 13285 N-Benzylcinchonidinium chloride
- 13400 Benzyldimethylhexadecylammonium chloride
- 13401 Benzyldimethyltetradecylammonium chloride
- 13402 Benzyldimethyltetradecylammonium chloride
- 13453 3-Benzyl-5-(2-hydroxyethyl)-4-methyl-thiazolium chloride
- 13593 (-)-N-Benzyl-N-methylephedrinium bromide
- 13265 N-Benzyl-quininium chloride
- 13954 Benzyltributylammonium bromide
- 13952 Benzyltributylammonium chloride
- 13947 Benzyltriethylammonium bromide
- 13950 Benzyltriethylammonium chloride
- 13955 Benzyltriethylammonium iodide
- 13951 Benzyltriethylammonium tetrafluoroborate
- 13970 Benzyltrimethylammonium chloride
- 13990 Benzyltrimethylammonium hydroxide
- 13991 Benzyltrimethylammonium hydroxide
- 14000 Benzyltrimethylammonium methoxide
- 14005 Benzyltriphenylphosphonium bromide
- 14740 1,3-Bis-(dimethylamino)-butane
- 14750 1,4-Bis-(dimethylamino)-butane
- 1,2-Bis-(dimethylamino)-ethane, see 87690
- N,N,N',N'-Tetramethyl-ethylenediamine
- 14800 1,3-Bis-(dimethylamino)-propane
- 15595 Borohydride polymer supported
- 20600 Butyltriphenylphosphonium bromide
- 20670 Butyltripropylammonium bromide
- 26972 Choline
- 26970 Choline
- 26980 Choline chloride
- 27005 Choline iodide
- 27175 Chromic acid polymer supported
- 28122 12-Crown-4
- 28123 15-Crown-5
- 28125 18-Crown-6
- 33480 1,4-Diazabicyclo[2.2.2]octane
- 33531 Dibenzo-18-crown-6
- 33539 Dibenzo-24-crown-8
- 33537 5,6,14,15-Dibenzo-8,12-diaza-1,4-dioxacyclopentadeca-5,14-diene
- 36665 Dicyclohexano-18-crown-6 cryst.
- 36668 Dicyclohexano-24-crown-8
- 32443 Diethylmethylpropylammonium bromide
- Diisobutylphenoxyethoxyethyl dimethylbenzylammonium chloride, see 53752 Hyamine 16622
- Diisobutylcresoxyethyl dimethylbenzylammonium chloride, see 53753 Hyamine 10-X
- Dimethoxytetraglycol, see 86690 Tetraethylene glycol dimethyl ether
- 40235 (-)-N,N-Dimethylephedrinium bromide
- 40697 3,4-Dimethyl-5-(2-hydroxyethyl)thiazolium iodide
- 41420 1,1-Dimethyl-4-phenyl-piperazinium iodide
- 41440 1,4-Dimethylpiperazine
- 44220 (-)-N-Dodecyl-N-methylephedrinium bromide (-)-MDEB
- 44165 Dodecylethyl dimethylammonium bromide
- 03454 Ethyldimethylpropylammonium bromide
- 04122 3-Ethyl-5-(2-hydroxyethyl)-4-methylthiazolium bromide
- 04997 Ethyltriphenylphosphonium bromide
- 50045 Glycidyltrimethylammonium chloride
- 52340 Hexadecylpyridinium bromide
- 52349 Hexadecylpyridinium chloride
- 52353 Hexadecyltributylphosphonium bromide
- 52370 Hexadecyltrimethylammonium bromide
- 52372 Hexadecyltrimethylammonium chloride
- 52910 4,7,13,16,21,24-Hexaoxa-1,10-diazabicyclo[8.8.8]-hexacosane "Cryptand[2.2.2]"
- 53752 Hyamine 1622®
- 53753 Hyamine 10-X®
- 2-Hydroxyethyltrimethylammonium chloride, see 26972 Choline 45% in methanol pract.
- 2-Hydroxyethyltrimethylammonium chloride, see 26980 Choline chloride purum
- 2-Hydroxyethyltrimethylammonium hydroxide, see 26970 Choline 50% in water pract.
- 2-Hydroxyethyltrimethylammonium iodide, see 27005 Choline iodide purum
- 64035 Methacrylamino propyltriethylammonium chloride
- 69483 Methyltrioctylammonium bromide
- 69485 Methyltrioctylammonium chloride
- 69487 Methyltrioctylammonium iodide
- 69495 Methyltriphenylphosphonium bromide
- 79250 Phenyltrimethylammonium bromide
- 79263 Phenyltrimethylammonium chloride
- 79267 Phenyltrimethylammonium hydroxide
- 79253 Phenyltrimethylammonium tribromide
- 86849 Tetrabutylammonium acetate
- 86851 Tetrabutylammonium azide
- 86855 Tetrabutylammonium borohydride
- 86860 Tetrabutylammonium bromide
- 86870 Tetrabutylammonium chloride
- 86864 Tetrabutylammonium cyanate
- 86871 Tetrabutylammonium cyanide
- 86858 Tetrabutylammonium cyanoborohydride
- 86872 Tetrabutylammonium fluoride trihydrate
- 86874 Tetrabutylammonium hexafluorophosphate
- 86868 Tetrabutylammonium hydrogensulfate
- 86880 Tetrabutylammonium hydroxide
- 86882 Tetrabutylammonium hydroxide
- 86890 Tetrabutylammonium iodide
- 86877 Tetrabutylammonium methanesulfonate
- 86883 Tetrabutylammonium nitrate
- 86884 Tetrabutylammonium nitrite
- 86885 Tetrabutylammonium perchlorate
- 86889 Tetrabutylammonium(meta)periodate
- 86869 Tetrabutylammonium tetrafluoroborate
- 86901 Tetrabutylammonium tetraphenylborate
- 86886 Tetrabutylammonium thiocyanate
- 86887 Tetrabutylammonium toluene-4-sulfonate
- 86888 Tetrabutylammonium trifluoromethanesulfonate
- 86919 Tetrabutylphosphonium chloride
- 87249 Tetradodecylammonium bromide
- 87251 Tetradodecylammonium perchlorate
- 86607 Tetraethylammonium acetate tetrahydrate
- 86600 Tetraethylammonium borohydride
- 86612 Tetraethylammonium bromide
- 86611 Tetraethylammonium chloride monohydrate
- 86609 Tetraethylammonium cyanate
- 86613 Tetraethylammonium cyanide
- 86615 Tetraethylammonium fluoride dihydrate
- 86627 Tetraethylammonium hexafluorophosphate
- 86629 Tetraethylammonium hydrogensulfate
- 86631 Tetraethylammonium hydroxide
- 86630 Tetraethylammonium hydroxide
- 86632 Tetraethylammonium hydroxide
- 86640 Tetraethylammonium iodide
- 86645 Tetraethylammonium nitrate
- 86649 Tetraethylammonium perchlorate
- 86652 Tetraethylammonium(meta)periodate
- 86619 Tetraethylammonium tetrafluoroborate
- 86648 Tetraethylammonium thiocyanate
- 86650 Tetraethylammonium toluene-4-sulfonate
- 86651 Tetraethylammonium trifluoromethanesulfonate

- 86670 Tetraethylene glycol-bis(8-quinolyl)ether
- 86690 Tetraethylene glycol dimethyl ether
- 87301 Tetraheptylammonium bromide
- 87302 Tetrahexylammonium bromide
- 87305 Tetrahexylammonium chloride
- 87303 Tetrahexylammonium hydrogensulfate
- 87307 Tetrahexylammonium iodide
- 87310 Tetrahexylammonium perchlorate
- 87580 Tetrakis-(decyl)-ammonium bromide
- 87582 Tetrakis-(decyl)-ammonium perchlorate
- 87700 Tetramethylammonium borohydride
- 87710 Tetramethylammonium bromide
- 87720 Tetramethylammonium chloride
- 87725 Tetramethylammonium hexafluorophosphate
- 87726 Tetramethylammonium hydrogensulfate monohydrate
- 87730 Tetramethylammonium hydroxide
- 87731 Tetramethylammonium hydroxide
- 87732 Tetramethylammonium hydroxide
- 87741 Tetramethylammonium hydroxide pentahydrate
- 87740 Tetramethylammonium iodide
- 87742 Tetramethylammonium nitrate
- 87746 Tetramethylammonium perchlorate
- 87747 Tetramethylammonium tetrafluoroborate
- 87744 Tetramethylammonium tribromide
- 87745 Tetramethylammonium toluene-4-sulfonate
N,N,N',N'-Tetramethyl-1,3-diamino-butane,
see 14740 1,3-Bis-(dimethylamino)-butane
N,N,N',N'-Tetramethyl-1,4-diamino-butane,
see 14750 1,4-Bis-(dimethylamino)-butane
N,N,N',N'-Tetramethyl-1,3-diamino-propane,
see 14800 1,3-Bis-(dimethylamino)-propane
- 87690 N,N,N',N'-Tetramethyl-ethylenediamine
- 87990 Tetraoctadecylammonium bromide
- 88000 Tetraoctylammonium bromide
- 87998 Tetraoctylammonium perchlorate
- 88001 Tetrapentylammonium bromide
- 88003 Tetrapentylammonium iodide
- 88010 Tetraphenylarsoniumchloride
- 88045 Tetraphenylphosphonium bromide
- 88060 Tetraphenylphosphonium chloride
- 88105 Tetrapropylammonium bromide
- 88110 Tetrapropylammonium hydroxide
- 88120 Tetrapropylammonium iodide
- 88125 Tetrapropylammonium(meta)periodate
- 88128 Tetrapropylammonium tetrafluoroborate
- 90797 Tributylheptylammonium bromide
- 90802 Tributylmethylammonium bromide
- 90803 Tributylmethylammonium chloride
- 90800 Tributylmethylammonium hydroxide
- 90804 Tributylmethylammonium iodide
- 90805 Tributylpentylammonium bromide
- 91042 "Tricaprylmethylammonium chloride"
- 90485 Triethylmethylammonium bromide
Trioctylmethylammonium chloride, see 69485
Methyltrioctylammonium chloride
Tripropylbutylammonium bromide, see 20670
Butyltripropylammonium bromide
- 93406 Tris-(tetrabutylammonium)-hexacyanoferrate
- Triton B, see 13990/13991 Benzyltrimethylammonium hydroxide

Solubility of 8 Tetraalkylammonium Salts in 32 Different Solvents at 0° or m.p., 20°, 100°C or b.p. of Solution in g/100 ml Solvent (with m.p., b.p., Dielectric Constant ϵ , Solubility of Water in Solvent and Solvent in H₂O)

Tetraethylammonium Salt	b.p.	m.p.	Dielectric constant ϵ	Solubility in H ₂ O 20°	Sol. of H ₂ O in Solvent	Tetraethylammonium bromide		
						0° or m.p.	20°	100° or b.p.
1 Acetone	56.3°	- 94.7°	20.70 (25°)	∞	∞	0	0	0
2 Acetonitrile	81.6°	- 43.8°	37.50 (20°)	∞	∞	6.0	8.0	16.0
3 1-Butanol	117.7°	- 88.6°	17.51 (25°)	8.3	19.70	15.0	22.7	30.1
4 tert-Butanol	82.4°	+ 25.8°	2.66 (20°)	∞	∞	0	0	10.0
5 Carbon tetrachloride	76.8°	- 22.9°	2.24 (20°)	0	0.01	0	0	0
6 Chloroform	61.2°	- 63.5°	4.81 (20°)	0.5	0.06	25.0	28.7	42.5
7 Cyclohexane	80.7°	+ 6.5°	2.02 (20°)	0	0.01	0	0	0
8 1,2-Dichlorobenzene	180.5°	- 17.0°	9.82 (20°)	0	0	0	0	0
9 E-1,2-Dichloroethylene	47.4°	- 49.8°	2.18 (20°)	0	0.55	0	0	0
10 Diethyl diglycol	189.0°	- 44.3°	5.70	∞	∞	0	0	0
11 Diethyl ether	34.6°	-116.3°	4.34 (20°)	7.5	1.30	0	0	0
12 Dimethylformamide, DMF	153.0°	- 60.4°	36.71 (25°)	∞	∞	3.4	5.0	13.5
13 Dimethyl sulfoxide, DMSO	189.0°	+ 18.5°	46.68 (25°)	∞	∞	10.0	20.0	52.6
14 Dioxane	101.3°	+ 11.8°	2.21 (25°)	∞	∞	0	0	0.5
15 Ethanol	78.3°	-114.1°	24.55 (25°)	∞	∞	30.5	39.2	85.1
16 Ethyl acetate	77.1°	- 84.0°	6.02 (25°)	8.3	3.30	0	0	0
17 Ethylene dichloride	83.5°	- 35.7°	10.66 (20°)	0	0.15	0	0	0
18 Ethyl methyl ketone, MEK	79.6°	- 86.7°	18.51 (20°)	29.4	12.00	0	0	0
19 Hexamethylphosphoric triamide, HMPT	233.0°	+ 7.2°	43.30 (20°)	∞	∞	0	0.6	3.0
20 Hexane	68.7°	- 95.3°	1.88 (20°)	0	0	0	0	0
21 Isobutanol	107.7°	-108.0°	17.94 (25°)	10.0	16.00	10.6	20.0	31.0
22 Isobutyl methyl ketone, MIK	116.5°	- 84.0°	30.10 (20°)	1.9	1.80	0	0	0
23 Isopropanol	82.3°	- 88.0°	19.92 (25°)	∞	∞	2.4	15.9	37.0
24 Methanol	64.7°	- 97.7°	32.70 (25°)	∞	∞	50.6	>100.0	>100.0
25 Methylene chloride	39.8°	- 95.1°	8.93 (25°)	1.3	0.20	10.6	14.0	20.2
26 Nitromethane	101.2°	- 28.5°	35.87 (30°)	9.5	1.90	15.2	18.3	36.2
27 Propylene carbonate	241.7°	- 50.0°	69.00 (23°)	hydrolyses	hydrolyses	7.0	7.6	29.1
28 Pyridine	115.3°	- 41.5°	12.40 (21°)	∞	∞	0	0.4	5.0
29 Sulfolane	287.3°	+ 28.4°	43.30 (30°)	∞	∞	0	0	10.0
30 Tetrahydrofurane, THF	66.0°	-108.5°	7.58 (20°)	∞	∞	0	0	0
31 Toluene	110.6°	- 95.0°	2.38 (25°)	0	0.05	0	0	0
32 Water	100.0°	0°	78.39 (25°)	∞	∞	>100.0	>100.0	>100.0

Tetrabutylammonium Salt	Tetrabutylammonium chloride	Tetrabutylammonium bromide			Tetrabutylammonium iodide		
		0° or m.p.	20°	100° or b.p.	0° or m.p.	20°	100° or b.p.
1 Acetone	47.9	36.9	76.0	>100.0	8.5	17.2	49.8
2 Acetonitrile	45.9	>100.0	>100.0	>100.0	0	46.5	>100.0
3 1-Butanol	54.1	>100.0	>100.0	>100.0	13.0	40.8	>100.0
4 tert-Butanol	0	41.2	82.0	>100.0	0	0	>100.0
5 Carbon tetrachloride	59.0	44.8	>100.0	>100.0	0	0	>100.0
6 Chloroform	60.6	39.0	49.0	>100.0	0	>100.0	>100.0
7 Cyclohexane	0	0	0	0.3	0	0	0
8 1,2-Dichlorobenzene	48.2	>100.0	>100.0	>100.0	1.4	5.6	>100.0
9 E-1,2-Dichloroethylene	47.6	0	0	>100.0	0	0	0
10 Diethyl diglycol	10.2	0.2	0.2	1.0	0	0	0
11 Diethyl ether	0	0	0	0	0	0	0
12 Dimethylformamide, DMF	46.2	43.0	53.0	>100.0	0	39.4	>100.0
13 Dimethyl sulfoxide, DMSO	43.3	42.0	>100.0	>100.0	0	53.9	>100.0
14 Dioxane	37.0	14.0	16.0	>100.0	0	1.3	>100.0
15 Ethanol	51.2	>100.0	>100.0	0	29.1	51.7	>100.0
16 Ethyl acetate	47.3	0	4.0	>100.0	0	0	0
17 Ethylene dichloride	50.0	55.0	>100.0	>100.0	18.5	43.6	>100.0
18 Ethyl methyl ketone, MEK	48.0	0	0	>100.0	3.9	7.3	>100.0
19 Hexamethylphosphoric triamide, HMPT	36.7	0	2.0	>100.0	11.5	15.9	>100.0
20 Hexane	0	0	0	0	0	0	0
21 Isobutanol	43.3	>100.0	>100.0	>100.0	11.7	42.7	>100.0
22 Isobutyl methyl ketone, MIK	46.9	0	>100.0	>100.0	0	0.7	>100.0
23 Isopropanol	44.0	>100.0	>100.0	>100.0	0	24.0	>100.0
24 Methanol	46.2	>100.0	>100.0	>100.0	>100.0	>100.0	>100.0
25 Methylene chloride	49.9	>100.0	>100.0	>100.0	>100.0	>100.0	>100.0
26 Nitromethane	47.3	>100.0	>100.0	>100.0	0	49.4	>100.0
27 Propylene carbonate	46.5	13.0	>100.0	>100.0	0	35.8	>100.0
28 Pyridine	48.6	50.0	>100.0	>100.0	0	49.0	>100.0
29 Sulfolane	46.9	0	2.0	>100.0	0	36.6	>100.0
30 Tetrahydrofurane, THF	52.9	15.0	25.0	>100.0	0	0	38.3
31 Toluene	19.4	0.2	0.3	>100.0	0	0	>100.0
32 Water	>100.0	60.3	>100.0	>100.0	0	0	10.5

Solvent Data: J. A. Riddick, W. B. Bunger; Organic Solvents, 3. Edition (1970) Wiley-Interscience, New York

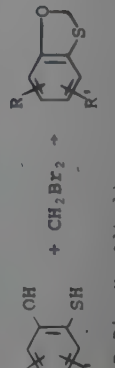
Solubilities Determined by the Analytical Department of Fluka AG, CH-9470 Buchs

Specified solubilities of the tetralkylammonium salts may only be cited with reference to the original authorities, Fluka AG

Tetraethylammonium hydrogensulfate			Tetraethylammonium tetrafluoroborate			Tetraethylammonium Salt	
0° or m. p.	20°	100° or b. p.	0° or m. p.	20°	100° or b. p.	Solvent	
0	0	0.9	4.0	6.1	8.0	Acetone	1
4.3	7.9	35.5	27.9	37.0	>100.0	Acetonitrile	2
0.7	1.7	18.9	0	0.1	1.3	1-Butanol	3
0	0	0.5	0	0	0	tert-Butanol	4
0	0	0	0	0	0	Carbon tetrachloride	5
0	0	0	0	0	0	Chloroform	6
0	0	0	0	0	0	Cyclohexane	7
0	0	0	0	0	0	1,2-Dichlorobenzene	8
0	0	0	0	0	0	E-1,2-Dichloroethylene	9
0	0	2.2	0	0	0	Diethyl diglycol	10
0	0	0	0	0	0	Diethyl ether	11
3.8	5.4	12.0	15.0	30.0	>100.0	Dimethylformamide, DMF	12
25.5	33.0	>100.0	31.6	37.4	>100.0	Dimethyl sulfoxide, DMSO	13
0	0	0.5	0	0	0	Dioxane	14
10.2	21.7	49.2	0	0	0.1	Ethanol	15
0	0	0	0	0	0	Ethyl acetate	16
0	0	0	0	0	0	Ethylene dichloride	17
0	0	0	0	0	0	Ethyl methyl ketone, MEK	18
0	0.5	2.2	0	0	10.0	Hexamethylphosphoric triamide, HMPT	19
0	0	0	0	0	0	Hexane	20
0.8	1.7	5.6	0	0	0.8	Isobutanol	21
0	0	0	0	0	0	Isobutyl methyl ketone, MIK	22
0.6	1.5	11.4	0.5	1.0	3.6	Isopropanol	23
48.5	>100.0	0	2.5	6.8	10.0	Methanol	24
0	0	0.2	0	0	8.0	Methylene chloride	25
26.2	28.8	42.3	20.0	45.0	>100.0	Nitromethane	26
10.0	13.2	46.1	18.0	24.0	>100.0	Propylene carbonate	27
0.8	1.0	5.0	0	8.6	22.0	Pyridine	28
0	7.8	>100.0	18.3	20.0	>100.0	Sulfolane	29
0	0	0	0	0	0	Tetrahydrofuran, THF	30
0	0	0	0	0	0	Toluene	31
>100.0	0	0	10.5	26.3	>100.0	Water	32

Tetrabutylammonium hydrogensulfate			Tetrabutylammonium tetrafluoroborate			Tetrabutylammonium Salt	
0° or m. p.	20°	100° or b. p.	0° or m. p.	20°	100° or b. p.	Solvent	
23.0	34.8	>100.0	>100.0	>100.0	>100.0	Acetone	1
>100.0	>100.0	>100.0	>100.0	>100.0	>100.0	Acetonitrile	2
>100.0	>100.0	>100.0	4.5	40.5	>100.0	1-Butanol	3
53.5	>100.0	>100.0	0	51.4	>100.0	tert-Butanol	4
0	0	0	0	0	>100.0	Carbon tetrachloride	5
>100.0	>100.0	>100.0	>100.0	>100.0	>100.0	Chloroform	6
0	0	0	0	0	0	Cyclohexane	7
52.0	>100.0	>100.0	>100.0	>100.0	>100.0	1,2-Dichlorobenzene	8
0	0	0	>100.0	>100.0	>100.0	E-1,2-Dichloroethylene	9
0	0	0.5	0	0	>100.0	Diethyl diglycol	10
0	0	0	0	0	0	Diethyl ether	11
24.3	>100.0	0	>100.0	>100.0	>100.0	Dimethylformamide, DMF	12
16.0	>100.0	>100.0	63.9	>100.0	>100.0	Dimethyl sulfoxide, DMSO	13
0	0	50.4	>100.0	>100.0	>100.0	Dioxane	14
>100.0	>100.0	>100.0	35.9	>100.0	>100.0	Ethanol	15
0	0	0.6	64.3	>100.0	>100.0	Ethyl acetate	16
>100.0	>100.0	>100.0	>100.0	>100.0	>100.0	Ethylene dichloride	17
0	18.8	>100.0	>100.0	>100.0	>100.0	Ethyl methyl ketone, MEK	18
18.6	36.7	>100.0	>100.0	>100.0	>100.0	Hexamethylphosphoric triamide, HMPT	19
0	0	0	0	0	0	Hexane	20
>100.0	>100.0	>100.0	10.0	54.3	>100.0	Isobutanol	21
0	0	26.3	28.7	49.7	>100.0	Isobutyl methyl ketone, MIK	22
>100.0	>100.0	>100.0	14.4	>100.0	>100.0	Isopropanol	23
>100.0	>100.0	>100.0	>100.0	>100.0	>100.0	Methanol	24
>100.0	>100.0	>100.0	>100.0	>100.0	>100.0	Methylene chloride	25
>100.0	>100.0	>100.0	>100.0	>100.0	>100.0	Nitromethane	26
>100.0	>100.0	>100.0	>100.0	>100.0	>100.0	Propylene carbonate	27
>100.0	>100.0	>100.0	>100.0	>100.0	>100.0	Pyridine	28
17.0	>100.0	>100.0	>100.0	>100.0	>100.0	Sulfolane	29
10.2	30.6	>100.0	>100.0	>100.0	>100.0	Tetrahydrofuran, THF	30
0	0.7	48.6	>100.0	>100.0	>100.0	Toluene	31
0	0	0	0	0	>100.0	Water	32
>100.0	>100.0	>100.0	0	0	>100.0		

Specimen of a double page (half size of the original)

Reaction	Catalyst/Base	Solvent	Yield(%)	Lit.ref.
ACETALS AND THIOACETALS				
- from alcohols				
2 ROH + CH ₂ Cl ₂ → (RO) ₂ CH ₂ (R = Bu, Bz, Cyclohexyl)	MeOAc, NCl/KOH	CH ₂ Cl ₂	65-79	39
- from aldehydes				
(CH ₃ O) ₂ P(O)CH(SR) + ArCHO → ArCH=C(SR) ₂	BzEt ₃ NCl/NaOH	CH ₂ Cl ₂ /H ₂ O	66-96	208, 574
- from glycols (carbohydrates)				
...CH(OH)CH(OH)... + CH ₂ Cl ₂ → ...CH-CH...	BzEt ₃ NBr/NaOH or Bu ₄ NBr/NaOH	CH ₂ Cl ₂ /H ₂ O	62-94	53
...CH(OH)CH(OH)... + CH ₂ Br ₂ → ...CH-CH...	Bu ₄ NBr/NaOH	CH ₂ Cl ₂ /H ₂ O	34-74	55
- from phenols				
2 ArOH + CH ₂ Cl ₂ → (ArO) ₂ CH ₂	MeOAc, NCl/NaOH	CH ₂ Cl ₂ /H ₂ O	80-87	39
- from thiols				
2 RSH + CH ₂ Cl ₂ → (RS) ₂ CH ₂ (R = Alkyl, Ph)	MeOAc, NCl/NaOH	CH ₂ Cl ₂ /H ₂ O	90-96	142
	MeOAc, NCl/NaOH	CH ₂ Br ₂ /H ₂ O	70-81	145
(R, R' = H, Alkyl)				
ALCOHOLS				
PRIMARY ALCOHOLS				
- from aldehydes				
RCHO + Bu ₄ NBH ₄ → RCH ₂ OH (R = Ph, Styryl, t-Bu)	--	CH ₂ Cl ₂	72-92	134
RCH=CHCHO + Bu ₄ NBH ₄ CN → RCH=CHCH ₂ OH (R = Alkenyl, Ph)	--	CH ₃ OH	58-76	135
ArCHO + NaBH ₄ → ArCH ₂ OH (Ar = Ph, 4-ClC ₆ H ₄)	(8)	C ₆ H ₆ /H ₂ O	94-95	127
4-ClC ₆ H ₄ CHO + Pr ₄ NBH ₄ + EtI → 4-ClC ₆ H ₄ CH ₂ OH	--	CH ₂ Cl ₂	94	122, 123
PhCHO + (P)-CH ₂ Me, BH ₄ → PhCH ₂ OH	--	EtOH	65-82	503
4-NCC ₆ H ₄ CHO + Bu ₄ NBH ₄ CN → 4-NCC ₆ H ₄ CH ₂ OH	--	HMPT	43	278
CH ₃ (CH ₂) ₇ CHO + Bu ₄ NBH ₄ CN → CH ₃ (CH ₂) ₇ CH ₂ OH	--	HMPT	84-92	278
ArCHO + Bu ₄ NBH ₄ CN → ArCH ₂ OH (Ar = 9-Anthryl)	--	HMPT	95	278
- from alkenes				
PhOCH=CH ₂ + Bu ₄ NBH ₄ + EtBr + H ₂ O ₂ → PhO(CH ₂) ₂ OH	--/NaOH	CH ₂ Cl ₂ /H ₂ O	70	122
- from carboxylic acids and esters				
4-CH ₃ OC ₆ H ₄ CH ₂ COOH + NaBH ₄ → 4-CH ₃ OC ₆ H ₄ (CH ₂) ₂ OH	Bu ₄ NHSO ₄ /NaOH	CH ₂ Cl ₂ /H ₂ O	100	123
3-O ₂ NC ₆ H ₄ COOMe + Bu ₄ NBH ₄ + CH ₃ I → 3-O ₂ NC ₆ H ₄ CH ₂ OH	--	CH ₂ Cl ₂	100	122, 123
4-XC ₆ H ₄ COOH + Bu ₄ NBH ₄ + EtBr → 4-XC ₆ H ₄ CH ₂ OH (X = H, Cl)	--	CH ₂ Cl ₂	98	122
- from halides and tosylates				
RX + KO ₂ → ROH (X = Halogen, OTs; R = Alkyl, Bz)	(1)	DMSO	41-75	100, 439
SECONDARY ALCOHOLS				
- from aldehydes				
4-YC ₆ H ₄ CHO + CHCl ₃ → 4-YC ₆ H ₄ CH(OH)CCl ₃ (Y = H, MeO)	BzEt ₃ NCl/NaOH	H ₂ O	62-80	364

Compendium of Phase-Transfer Reactions and Related Synthetic Methods

Comprehensive Register of Syntheses by Phase-Transfer Catalysis, Ion-Pair Extraction and by Reactions of Quaternary Ammonium Salts in a Homogeneous Phase of Non-aqueous Solvents

First Edition
by
Walter E. Keller

Copyright © 1979 by Fluka AG, CH-9470 Buchs.
All rights reserved. No part of this booklet may be reproduced in any form without permission of the publishers.

Fluka AG, CH-9470 Buchs, Switzerland

SUMMARY OF CONTENTS

PREFACE by Prof. Dr. M. Makosza, Warsaw	XI
REACTIONS OF QUATERNARY AMMONIUM SALTS IN A HOMOGENEOUS PHASE OF NON-AQUEOUS SOLVENTS by Prof. Dr. G. Simchen, Stuttgart	XV
ACKNOWLEDGEMENTS by Dr. W.E. Keller, Buchs	XXV
REGISTER OF SYNTHESES LISTED ALPHABETICALLY ACCORDING TO TYPE OF COMPOUND FORMED	2-143
25 LITERATURE REVIEWS	144-145
691 LITERATURE REFERENCES	146-165
ENCLOSED TABLE: Solubility of 8 Tetraalkylammonium Salts in 32 Different Solvents at 0° or m.p., 20°, 100° or b.p.	

Professor M. Makosza says in his preface:

"Despite this seeming overflow of reviews there is still need and room for a short yet comprehensive and updated compendium organized in such a way that it can serve as a quick reference book in which a process of interest can be found rapidly. In this respect the booklet prepared by chemists from FLUKA is of great value. I am sure that chemists working in the field of organic synthesis in academic and industrial laboratories as well as those involved in developing industrial processes will find this booklet very useful, convenient and helpful in their everyday work."

Use postcard in front of this catalogue for ordering

Diels-Alder-Reagents

1. Conjugated Dienes

00010	Abietic acid
01680	Acrolein
05708	neo-Alloocimen
10370	Anethole
10580	Anthracene
10740	Anthrone
12090	Benz(a)anthracene
12273	2,1-Benzisoxazole
14349	Bicyclo[2.2.1]heptadiene-(2,5)
16270	9-Bromoanthracene
18860	1,3-Butadiene
18886	1,3-Butadiene-1-carboxylic acid
22040	β -Carotene
28130	Coumalic acid
28380	1-Cyano-1,3-butadiene
28860	1,3,5-Cycloheptatriene
28900	1,3-Cyclohexadiene
29570	1,3-Cyclooctadiene
29640	Cylooctatetraene
36891	Cyclopentadiene see Dicyclopentadiene
31475	trans, trans-1,4-Diacetoxy-1,3-butadiene
39555	9,10-Dimethylantracene
38817	5,5-Dimethoxy-1,2,3,4-tetrachlorocyclopentadiene
39719	2,3-Dimethyl-1,3-butadiene
40290	2,5-Dimethylfuran
40480	2,5-Dimethyl-2,4-hexadiene
05700	2,6-Dimethyl-2,4,6-octatriene
41040	2,4-Dimethyl-1,3-pentadiene
42820	trans, trans-1,4-Diphenyl-1,3-butadiene
43050	1,6-Diphenyl-1,3,5-hexatriene
43092	2,5-Diphenylisobenzofuran
43920	Divinyl sulfone
47990	Furan
52109	Hexachloro-1,3-butadiene
52150	Hexachlorocyclopentadiene
52475	2,4-Hexadienal
52460	2cis,4trans-Hexadiene
52370	2trans,4trans-Hexadiene
56930	Indene
59240	Isoprene
59790	Isosafrole
18888	Methyl-1,3-butadiene-1-carboxylate
85420	2-Methylfuran
68270	trans-2-Methyl-1,3-pentadiene
68290	4-Methyl-1,3-pentadiene
83197	Methyl 2-pyrone-3-carboxylate
70000	trans, trans-Muconic acid
76610	cis-1,3-Pentadiene
76620	trans-1,3-Pentadiene
77430	α -Phellandrene
83193	α -Pyrone
85510	Sorbic acid
85960	Styrene
88020	1,1,4,4-Tetraphenyl-1,3-butadiene
88030	Tetraphenylcyclopentadienone
95020	1-Vinyl-naphthalene
95030	2-Vinyl-naphthalene

2. Dienophiles

00060	Acenaphthylene
00843	1-Acetoxy-1-cyanoethylene
01090	Acetylenedicarboxylic acid
01680	Acrolein
01710	Acrylonitrile
01730	Acrylic acid
01780	Acryloyl chloride
05790	Allyl alcohol
05800	Allyl amine
05860	Allyl bromide
05880	Allyl chloride
05900	Allyl cyanide
05990	Allyl iodide
06010	Allyl isothiocyanate
06021	Allylmalonic acid
06073	Allyltrimethylsilane
06075	Allyltriphenylphosphonium chloride
10370	Anethole
11621	Azodicarbonamide
11960	Benzalacetone
11970	Benzalacetophenone
12310	1,4-Benzoquinone
13472	N-Benzylideneaniline
14352	Bicyclo[2.2.1]hept-5-ene-2-carboxaldehyde
15237	Bis(trimethylsilyl)acetylene
69690	2-Buten-2-one
11625	di-tert-Butylazodicarboxylate
20680	Butyl vinyl ether
22990	2-Chloroacrylonitrile (Keten-Equivalent) 2-Chloroacryloyl chloride (starting material) see 2,3-Dichloropropionyl chloride
23280	Chloranil
94931	Chloroethylene
96320	Cinnamaldehyde
96349	Cinnamic acid
96420	Cinnamonitrile
96390	Cinnamoyl chloride
96330	Cinnamyl alcohol
28150	Coumarine
28160	Coumarine-3-carboxylic acid
27980	Crotonaldehyde
28010	Crotonic acid
28005	γ -Crotonlactone
28080	Crotononitrile
28051	Crotonyl chloride
28091	Crotyl alcohol
29255	2-Cyclohexen-1-one
29825	1-Cyclopentene-3,5-dione
35635	cis-3,4-Dichloro-cyclobutene
35140	trans-1,2-Dichloroethylene
35680	2,3-Dichloro-5,6-dicyano-1,4-benzoquinone
36691	Dicyclopentadiene
01100	Diethyl acetylenedicarboxylate
02750	Diethyl ethoxymethylenemalonate
06022	Diethyl allylmalonate
11624	Diethyl azodicarboxylate
36610	Diethyl dicyanofumarate
47930	Diethyl fumarate
49365	Diethyl glutaconate
59536	Diethyl isopropylidenemalonate
63219	Diethyl maleate
37298	2,5-Dihydrofurane
37350	Dihydro-2H-pyran
11626	Diisopropyl azodicarboxylate
01110	Dimethyl acetylenedicarboxylate
63250	Dimethyl maleate

40750 2,3-Dimethylmaleinic anhydride
42700 1,2-Diphenylacetylene
42910 Diphenylcyclopropenone
42740 1,1-Diphenylethylene
43366 1,2-Diphenylvinylencarbonate
144620 Duroquinone

01750 Ethyl acrylate
02740 Ethyl ethoxymethylenecyanoacetate
43095 Diphenyl maleic anhydride
96350 Ethyl cinnamate
28020 Ethyl crotonate
03470 Ethylene
04260 N-Ethylmaleimide
64070 Ethyl methacrylate
05010 Ethyl vinyl ether

47900 Fumaric acid
47940 Fumaric diamide
47980 Fumaronitrile
47960 Fumarylchloride

49360 Glutaconic acid

53020 3-Hexendioic acid
53070 1-Hexen-5-one
55900 2-Hydroxy-1,4-naphthoquinone

56930 Indene
~~58660~~ Isobutyl vinylether
59537 cycl-Isopropyl isopropylidenemalonate
59960 Itaconic anhydride

59990 Juglone

Keten-Equivalent see 2-Chloroacrylonitrile

63180 Maleic acid
63200 Maleic anhydride
63171 Maleimide
63880 Mesaconic acid
64050 Methacrylic acid
64120 Methacryloyl chloride
65350 4-Methoxystyrene

01800 Methyl acrylate
28060 Methyl crotonate
66539 1-Methyl-1-cyclopentene
66735 α -Methylene- δ -butyrolactone
64200 Methyl methacrylate
67900 2-Methyl-1,4-naphthoquinone
69220 3-Methylsulfolene
69677 Methyl vinyl ether

70370 1,4-Napthoquinone
70450 2-Naphthol

05020 1-Penten-3-one
78795 N-Phenylmaleimide
79225 4-Phenyl-4H-1,2,4-triazoline-3,5-dione
79290 Phenylvinylsulfide
79295 Phenylvinylsulfoxide
79930 N,N'-Phthaloylhydrazine (syn.)

85870 trans-Stilbene
85960 Styrene
86160 3-Sulfolene

86970 Tetrachloroethylene
87120 Tetracyanoethylene
87121 Tetracyanoethyleneoxide (OO Carbonylcycade)
87126 7,7,8,8-Tetracyanoquinodimethane
03930 Tetraethyl ethylenetetra-carboxylate
87320 1,2,3,6-Tetrahydrobenzaldehyde
87460 cis-1,2,3,6-Tetrahydrophthalic anhydride
88935 N-Thionylaniline
89590 Toluquinone
91129 Trichloroethylene
93155 Triphenylvinylphosphonium bromide

46060 Vinyl acetate
94990 Vinyl acetic acid
94915 Vinyl bromide
94950 Vinyl-1-cyclohexene
94965 Vinylene carbonate
95000 Vinylidene chloride
82005 Vinyl propionic acid
95048 Vinylpyridine monomer
95100 Vinyltrimethylsilane

Reagents for the Resolution of Enantiomers

00010	(-)-Abietic acid	02290	L(-)-Malic acid
00805	(-)-3 β -Acetoxy-5-etienic acid	02300	D(+)-Malic acid
01260	N-Acetyl-L-leucine	63460	L(+)-Mandelic acid
01310	N-Acetyl-L-methionine	63450	D(-)-Mandelic acid
07180	R(-)-2-Amino-1-butanol	63660	(-)-Menthol
08563	(+)-3-Aminomethylpinane hydrochloride	63685	(-)-Menthylloxyacetic acid
08562	(+)-3-Aminomethylpinane hydrochloride	65212	R(-)- α -Methoxyphenylacetic acid
09235	L(+)-threo-2-Amino-1-phenyl-1,3-propanediol	65362	(+)- α -Methoxy- α -trifluoromethylphenylacetic acid
10895	D(+)-Arabonic acid potassium salt	65364	(-)- α -Methoxy- α -trifluoromethylphenylacetic acid
11010	L(+)-Arginine	65901	R(+)-N-(α -Methylbenzyl)phthalic acid monoamide
11015	D(+)-Arginine	65902	S(-)-N-(α -Methylbenzyl)phthalic acid monoamide
11190	L-Aspartic acid	77880	R(+)- α -Methylbenzylamine
11200	D-Aspartic acid	77870	S(-)- α -Methylbenzylamine
11310	DL-Atrolactic acid hemihydrate	65979	(-)-2-Methyl-1-butanol
		66893	(-)-N-Methylephedrine
16573	(+)-3-Bromocamphor-9-sulfonic acid	70711	R(+)-1-(1-Naphthyl)ethylamine
16575	(+)-3-Bromocamphor-10-sulfonic acid	70713	S(-)-1-(1-Naphthyl)ethylamine
16578	(+)-3-Bromocamphor-9-sulfonic acid Ammonium salt	72136	(+)-Neomenthol
18800	(-)-Brucine	74460	L(-)-Noradrenaline
18965	(2R,3R)(-)-2,3-Butanediol		
19026	R(-)-2-Butanol	74865	R(-)-2-Octanol
19025	S(+)-2-Butanol	74863	S(+)-2-Octanol
21284	(-)-Camphanic acid	22600	(+)-Quinidine
21287	(-)-Camphanic acid chloride	22620	(-)-Quinine anhydrous
21340	(+)-Camphoric acid		
21360	(+)-Camphor-10-sulfonic acid	77750	rac-2-Phenoxypropionic acid
21380	(+)-Camphor-10-sulfonyl chloride	77880	R(+)-1-Phenylethylamine
27350	(-)-Cinchonidine	77808	S(-)-1-Phenylethylamine
27370	(+)-Cinchonine	77973	R(+)-1-Phenylethyl isocyanate
		77971	S(-)-1-Phenylethyl isocyanate
30752	(+)-Dehydroabietylamine	65901	R(+)-N-(1-Phenylethyl)phthalamic acid
30754	(+)-Dehydroabietylamineacetate	65902	S(-)-N-(1-Phenylethyl)phthalamic acid
30960	(+)-Deoxycholic acid	80605	(1R)(+)- α -Pinene
31462	(-)-Diacetone-2-keto-L-gulonic acid	80599	(1S)(-)- α -Pinene
31587	(+)-Di-O,O'-acetyl-L-tartaric acid anhydride	80609	(-)- β -Pinene
33620	(-)-Di-O,O'-benzoyl-L-tartaric acid	82545	(+)-Pseudoephedrine
33610	(+)-Di-O,O'-benzoyl-D-tartaric acid	83160	L(-)-Pyroglutamic acid
37010	(-)-Digitonin		
31462	(-)-2,3,4,6-Di-O-isopropylidene-2-keto-L-gulonic acid	83595	Resolving Agents Kit Number 1
43821	(-)-Di-O,O'-p-toluoyl-L-tartaric acid	95310	L(+)-Tartaric acid
43822	(+)-Di-O,O'-p-toluoyl-D-tartaric acid	95320	D(-)-Tartaric acid unnatural Form
		95362	L(+)-Tartaric acid dihydrazide
45261	(-)-Ephedrine	95363	D(-)-Tartaric acid dihydrazide
45270	(-)-Ephedrine hydrochloride	90185	(-)-Tosyl-L-pyroglutamic acid
45280	(+)-Ephedrine hydrochloride	93915	L(+)-Tyrosine hydrazide
82545	(+)- ψ -Ephedrine		
27190	Ethyl DL-chrysanthemumate	94620	L(+)-Valine
		94630	D(-)-Valine
49450	L(+)-Glutamic acid		
49460	D(-)-Glutamic acid	95768	(+)-Yohimbine hydrochloride
55200	D(-)-2-Hydroxy-3,3-dimethyl- γ -butyrolactone	95850	Z-L-alanin
		96090	N,S-di-Z-L-cystein
58320	D(-)-Isoascorbic acid	96120	Z-L-glutamic acid
		97190	Z-L-serine
69773	L(+)-Lactic acid		
61340	D(+)-Lactose monohydrate		

pH-Indicators

pH-range	Colour change		
0.1- 1.3	colourless-yellow	80450	Picric acid
0.1- 2.6	yellow-green	16020	Brilliant green
0.1- 2.0	green-blue	61135	Crystal violet
1.0- 1.5	yellow-violet	69710	Methyl violet
0.2- 1.8	red-yellow	61090	Cresol red
0.3- 1.0	blue-red	84120	Safranine T
1.0- 3.1	yellow-magenta	47860	Fuchsine
1.2- 2.3	violet red-yellow	64010	Metanil yellow
1.2- 2.8	red-yellow	61070	m-Cresol purple
1.2- 2.8	red-yellow	89340	Thymol blue
1.2- 2.8	red-yellow	95610	p-Xylenol blue
1.2- 3.2	violet red-orange yellow	93530	Tropaeoline 00
1.4- 3.2	colourless-pink	22555	Quinaldine red
1.5- 3.2	blue-violet	69710	Methyl violet
1.7- 4.4	colourless-yellow	42190	2,6-Dinitrophenol
1.9- 3.3	red-yellow	13620	Benzyl orange
2.0- 4.7	colourless-yellow	42160	2,4-Dinitrophenol
2.3- 4.4	violet blue-red	12770	Benzopurpurin 4B
2.9- 4.0	red-yellow	40300	Dimethyl yellow
3.0- 5.2	blue-red	60900	Congo red
3.0- 4.6	yellow-violet blue	18030	Bromophenol blue
3.0- 4.6	yellow-violet	16710	Bromochlorophenol blue
3.0- 4.4	red-orange yellow	68250	Methyl orange
3.5- 5.7	violet pink-brownish-yellow	68250	Methyl orange
3.7- 5.0	purple-orange yellow	71110	α-Naphthyl red hydrochloride
3.8- 5.4	yellow-blue	17470	Bromocresol green
4.0- 5.8	colourless-yellow	42180	2,5-Dinitrophenol
4.4- 6.2	red-yellow	69130	Methyl red
4.4- 6.2	red-yellow	04840	Ethyl red
4.6- 7.0	yellow-violet red	25870	Chlorophenol red
4.8- 6.2	yellow-violet red	22010	Carminic acid
5.0- 6.0	yellow-violet	51260	Hematoxylin
5.0- 6.6	yellow-violet red	05600	Alizarin red S
5.0- 7.0	colourless-yellow	73540	2-Nitrophenol
5.0- 8.0	red-violet brown	61275	Litmus
5.2- 6.8	yellow-violet	17490	Bromocresol purple
5.2- 6.8	yellow-purple	18050	Bromophenol red
5.6- 7.6	colourless-yellow	73560	4-Nitrophenol
5.8- 7.2	yellow-violet red	05560	Alizarin
6.0- 7.5	yellow-blue	18460	Bromothymol blue
6.0- 7.6	yellow-blue	18740	Bromoxymol blue
6.0- 7.7	greenish-yellow-deep violet	15860	Brasiline
6.0- 8.0	yellow-brown red	28260	Curcumin
6.4- 8.2	yellow-red	77650	Phenol red
6.6- 8.6	colourless-yellow	73550	3-Nitrophenol
6.8- 8.0	red-yellow	72210	Neutral red
7.0- 8.8	yellow-violet red	61090	Cresol red
7.4- 9.0	yellow-violet	61070	m-Cresol purple
7.4- 8.6	yellow-brown red	16010	Brilliant yellow
7.6- 8.9	yellow-pink	75360	Orange I
7.8- 9.0	bright yellow-blue	70560	α-Naphtholphthaleine
8.0- 9.6	yellow-blue	89340	Thymol blue
8.0- 9.6	yellow-blue	95610	p-Xylenol blue
8.2- 9.8	colourless-violet red	61060	o-Cresolphthaleine
8.2- 10.0	colourless-purple	77620	Phenolphthaleine
8.8- 11.0	colourless-green blue	70480	α-Naphtholbenzein
9.3- 10.5	colourless-blue	89360	Thymolphthaleine
9.4- 14.0	blue-(red)-colourless	95290	Water blue
10.0- 12.0	bright yellow-orange yellow	05570	Alizarin yellow 2G
10.0- 12.0	bright yellow-orange red	05580	Alizarin yellow R
10.0- 12.0	orange yellow-violet	70620	β-Naphthol violet
10.2- 13.0	blue-violet red	72480	Nil blue A
10.8- 12.8	colourless-brown red	72540	Nitramin
11.1- 12.7	yellow-brown red	93520	Tropaeolin O
11.0- 13.0	pink-violet	05560	Alizarin
11.0- 13.0	yellow-red	75370	Orange II
11.6- 14.0	blue-bright yellow	57000	Indigocarmine
11.6- 14.0	yellow-pink	75380	Orange G
12.0- 13.0	yellow-brown yellow	88390	Thiazole yellow G
12.0- 14.0	magenta-colourless	84600	Acid fuchsine

FLUKA-Silylating Agents and Other Silicon Compounds

- 05940 Allyldimethylchlorosilane, ADMCS
 06051 Allyloxytrimethylsilane
 06073 Allyltrimethylsilane
 09324 3-Aminopropyltriethoxysilane
 13953 Benzyltrichlorosilane
 14660 1,3-Bis(chloromethyl)-1,1,3,3-tetramethyldisilazane
 15241 N,O-Bis(trimethylsilyl)acetamide, BSA
 15237 Bis(trimethylsilyl)acetylene
 15236 N,O-Bis(trimethylsilyl)carbamate, BSC
 S,S-Bis(trimethylsilyl)-1,2-ethanedithiol
 see 02380 1,2-Ethanedithiobis(trimethylsilane)
 15247 N,N-Bis(trimethylsilyl)formamide, BSF
 15233 N,O-Bis(trimethylsilyl)hydroxylamine
 15235 N,N-Bis(trimethylsilyl)methylamine (Heptamethyldisilazane)
 15250 Bis(trimethylsilylmethyl)mercury
 15243 N,O-Bis(trimethylsilyl)trifluoroacetamide, BSTFA
 15238 N,O-Bis(trimethylsilyl)trifluoroacetamide
 15248 N,N'-Bis(trimethylsilyl)urea
 17615 Bromomethyldimethylchlorosilane, BMDMCS
 Bromotrimethylsilane
 see 92337 Trimethylbromosilane
 18695 1-Bromovinyl-trimethylsilane
 19905 tert-Butyldimethylchlorosilane, TBDMSCI
 91742 tert-Butyldimethylsilyl trifluoromethanesulfonate
 19938 tert-Butyldiphenylchlorosilane
 92759 tert-Butyl trimethylsilylacetate
 25117 Chloromethyldimethylchlorosilane, CMDMCS
 25300 Chloromethyltrimethylsilane
 26240 3-Chloropropylmethyldichlorosilane
 Chlorotrimethylsilane
 see 92360 Trimethylchlorosilane
 32120 Diethyldichlorosilane
 32578 Diethyl trimethylsilyl phosphite
 39900 Dimethylchlorosilane, DMCS (Chlorodimethylsilane)
 40140 Dimethyldichlorosilane (Dichlorodimethylsilane)
 40120 Dimethyldiethoxysilane
 Dimethylphenylchlorosilane
 see 78390 Phenyldimethylchlorosilane
 41418 Dimethylphenylsilane
 42920 Diphenyldichlorosilane
 43340 1,3-Diphenyl-1,3,3-tetramethyldisilazane, DPTMDS
 44230 Dodecyltrichlorosilane
 02380 1,2-Ethanedithiobis(trimethylsilane)
 02470 Ethinyltrimethylsilane
 04970 Ethyltrichlorosilane
 04960 Ethyltriethoxysilane
 92756 Ethyl trimethylsilylacetate, ETSA
 52617 Hexamethyldisilane
 52619 Hexamethyldisilazane, HMDS
 52630 Hexamethyldisiloxane, HMDSO
 52643 Hexamethyldisilthiane
 57903 Iodomethyltrimethylsilane
 58118 Iodotrimethylsilane (Trimethyliodosilane, Trimethylsilyliodide)
 66630 Methyldichlorosilane
 92758 Methylthiotrimethylsilane (Trimethylsilylmethylsulfide, S-Trimethylsilylmethylmercaptan)
 69450 Methyltrichlorosilane
 69440 Methyltriethoxysilane
 69480 N-Methyl-N-trimethylsilylacetamide, MSA
 69482 N-Methyl-N-trimethylsilyltrifluoroacetamide, MSTFA
 69680 Methylvinylchlorosilane
 74811 Octamethylcyclotetrasiloxane
 76750 Pentafluorophenyldimethylchlorosilane (Flophe mesyl chloride)
 78390 Phenyldimethylchlorosilane (Dimethylphenylchlorosilane, Chlorodimethylphenylsilane)
 Phenyldimethylsilane
 see 41418 Dimethylphenylsilane
 79137 Phenylselenomethyltrimethylsilane
 79222 Phenylthiotrimethylsilane
 79230 Phenyltrichlorosilane
 81330 Polymethylhydrogensiloxane, PMHS (Polymethylhydrosiloxane)
 85370 Silicon tetrachloride (Tetrachlorosilane)
 71305 Sodium bis(trimethylsilyl)amide (Hexamethyldisilazane sodium salt, N-Sodiumhexamethyldisilazane)
 71595 Sodium hexafluorosilicate
 86580 Tetraethoxysilane (Tetraethyl orthosilicate)
 87680 Tetramethoxysilane (Tetramethyl orthosilicate)
 87830 1,1,3,3-Tetramethyldisilazane, TMDS
 87920 Tetramethylsilane, TMS
 91410 Trichlorosilane
 90310 Triethoxysilane
 90383 Triethylchlorosilane
 90550 Triethylsilane
 92337 Trimethylbromosilane, TMB (Bromotrimethylsilane, Trimethylsilylbromide)
 92360 Trimethylchlorosilane, TMCS (Chlorotrimethylsilane, Trimethylsilylchloride)
 92230 Trimethylethoxysilane
 Trimethyliodosilane
 see 58118 Iodotrimethylsilane
 92745 N-Trimethylsilylacetamide
 92757 Trimethylsilylacetic acid
 Trimethylsilylacetylene
 see 02470 Ethinyltrimethylsilane
 92753 Trimethylsilylazide, TMSA (Azidotrimethylsilane)
 17055 Trimethylsilyl bromoacetate
 26393 Trimethylsilyl chlorosulfonate
 92755 Trimethylsilylcyanide
 32575 N-Trimethylsilyldiethylamine, TMSDEA
 (N,N-Diethylaminotrimethylsilane, N,N-Diethyltrimethylsilylamine)
 79520 Trimethylsilyl diethylphosphonoacetate
 41720 N-Trimethylsilyldimethylamine, TMSDMA
 (N,N-Dimethylaminotrimethylsilane, N,N-Dimethyltrimethylsilylamine)
 79523 Trimethylsilyl dimethylphosphonoacetate
 92747 2-(Trimethylsilyl)ethanol
 92751 N-Trimethylsilylimidazole, TMSI
 92752 Trimethylsilylisothiocyanate (Isothiocyanatotrimethylsilane)
 64296 Trimethylsilyl methanesulfonate
 92754 3-(Trimethylsilyl)-1-propanesulfonic acid sodium salt, DSS (Sodium 2,2-dimethyl-2-silapentane-5-sulfonate)
 91733 Trimethylsilyl trifluoroacetate
 91741 Trimethylsilyl trifluoromethanesulfonate
 α -Trimethylsilylvinyl bromide
 see 18695 1-Bromovinyl-trimethylsilane
 93008 Triphenylchlorosilane
 93130 Triphenylsilane
 56556 Triphenylsilanol (Triphenylhydroxysilane)
 95090 Vinyltrichlorosilane
 95080 Vinyltriethoxysilane
 95100 Vinyltrimethylsilane
 95110 Vinyl-tris(2-methoxyethoxy)silane (Tris[2-methoxyethoxy]vinylsilane)

Abkürzungen und Symbole			Abbreviations and symbols	
>	mehr als (größer als)		more than	
<	weniger als (kleiner als)		less than	
≈	entspricht etwa		corresponds about to	
~	ungefähr		approximately	
$[\alpha]_D^{20}, [\alpha]_{546}^{20}$	(siehe Seite 7)		(see page 7)	
ϵ	molarer Extinktionskoeffizient (siehe Seite 7)		Extinction Coefficient (see page 7)	
$\lambda_{\max}, \lambda_{\min}$	Wellenlänge in nm (siehe Seite 7)		Wave length in nm (see page 7)	
μ	10^{-3} mm		10^{-3} mm	
%	Prozent		per cent	
®	eingetragene Marke		Registered Trade Mark	
A				
AAS	Atomabsorption		Atomic Absorption	
abs.	absolut		absolute	
Ads.-Indikator	Adsorptionsindikator		Adsorption Indicator	
aq	Wasser		Water	
ar	aryl		aryl	
A_r	Atommaße		Atomic mass	
A.S.T.M.	American Society for Testing Materials		American Society for Testing Materials	
asym.	asymmetrisch		asymmetrical	
B				
Bakt.	Farbstoff für bakteriologische Färbungen		Dye for Bacteriological Staining	
Best.	zur Bestimmung von		for determination of	
Bot.	Farbstoff für botanische Färbungen		Dye for Botanic Staining	
B.P.	British Pharmacopoeia		British Pharmacopoeia	
C				
c	Konzentration in Prozent (bei Drehung g/100 ml)		concentration in per cent (optic rotation g/100 ml)	
Carbonsäure-Z	Carbonsäurezahl		Carboxylic Acid Number	
Chlf.	Chloroform		chloroform	
CHR	chromatographisch rein (siehe Seite 7)		chromatographically pure (see page 7)	
C.I. Nr.	Colour Index-Nummer (Colour Index, published by the Society of Dyers and Colourists, Edited by F. M. Rove, 2nd Ed., 1956)		Colour Index Number (Colour Index, published by the Society of Dyers and Colourists, Edited by F. M. Rove, 2nd Ed., 1956)	
conc.	konzentriert		concentrated	
cryst.	kristallisiert		crystallised	
D				
d_4^{20}	(siehe Seite 7)		(see page 7)	
DAB	Deutsches Arzneibuch		Deutsches Arzneibuch	
dest.	destilliert		distilled	
DMF	Dimethylformamid		Dimethylformamide	
E				
E	Einheit(en)		Unit(s)	
EC	Enzyme Commission IUPAC Nummer		Code Number of the IUPAC Enzyme Commission	
$E_{1\text{ cm}}^{1\%}$	(siehe Seite 7, UV)		(see page 7, UV)	
entspr.	entsprechend		corresponding to	
EP	Erstarrungspunkt		Solidification Point	
et al.	und andere		and others	
F				
F	Schmelzpunkt (siehe Seite 7)		Melting Point (see page 7)	
Fl.	Farbstoff für Fluoreszenzmikroskopie		Dye for fluorescence microscopy	
G				
g	Gramm		Gram	
(GC)	Gaschromatographie (siehe Seite 7)		Gas Chromatography (see page 7)	
H				
h	Stunde		Hour	
Hist.	Farbstoff für histologische Färbungen		Dye for histological staining	
IJ				
id.	idem		idem	
IE	Internationale Einheit(en)		International Unit(s)	
IR	Infrarot (siehe Seite 7)		Infra Red (see page 7)	
J.Z.	Jodzahl		Iodine Number	

Abkürzungen und Symbole			Abbreviations and symbols
K	kg	Kilogramm	Kilogram
	Komp.	Komponente	Component
	Kp	Siedepunkt (siehe Seite 7)	Boiling Point (see page 7)
L	Lit.	Literatur	Literature
	log ϵ	(siehe Seite 7, UV)	(see page 7, UV)
	lt	Liter	Litre
M	m	Molar	Molar
	mg	Milligramm	Milligram
	ml	Milliliter	Millilitre
	Mol%	Molprozent	Molar per cent
	mPa.s	M = mega = 10^6	M = mega = 10^6
	M_r	Molmaße	Molecular mass
N	n_D^{20}	(siehe Seite 7)	(see page 7)
	Nachw.	zum Nachweis von	for Detection of
	N.F.	National Formulary	National Formulary
	nm	10^{-6} Millimeter	10^{-6} Millimetres
	(NMR)	(siehe Seite 7)	(see page 7)
	(NT)	nichtwäßrige Titration	Non Aqueous Titration
P	p.a.	pro analysi	pro analysi
	pharm.	pharmazeutisch	pharmaceutical
	Ph. Helv.	Pharmacopoea Helvetica	Pharmacopoea Helvetica
	prim.	primär	primary
	pulv.	pulverisiert	pulverized
Q	QO ₂	μ lt O ₂ , die von 1 mg Trockensubstanz pro Stunde bei optimaler Substratkonzentration verbraucht werden	μ lt O ₂ that are used up by 1 mg of dry substance per hour at the most favourable concentration of substrate
R	®	eingetragene Marke	Registered Trade Mark
	red.	reduziert	reduced
	redest.	redestilliert	redistilled
	resubl.	resublimiert	resublimated
	(RT)	Redoxititration	Redox Titration
S	Sch. Nr.	Schultz-Nummer (G. Schultz, Farbstoff-Tabellen, Akademische Verlagsgesellschaft, Leipzig, 7. Auflage, 1931)	Schultz-Number (G. Schultz, Farbstoff-Tabellen, Akademische Verlagsgesellschaft, Leipzig, 7. Auflage, 1931)
	sec.	sekundär	secondary
	sicc.	trocken	dry
	stab.	stabilisiert	stabilized
	subl.	sublimiert	sublimated
	Sulfonsäure-Z	Sulfonsäurezahl	Sulfonic Acid Number
	sym.	symmetrisch	symmetrical
	synth.	synthetisch	synthetic
	S.Z.	Säurezahl	Acid Value
T	(T)	Titration	Titration
	tert.	tertiär	tertiary
U	u.a.	und andere	and others
	U.S.P.	United States Pharmacopeia	United States Pharmacopeia
	(UV)	ultraviolett (siehe Seite 7)	Ultra-Violet (see page 7)
V	vic.	vicinal	vicinal
	Vit.	Farbstoff für Vitalfärbungen	Dye for Vital Staining
	V.Z.	Verseifungszahl	Saponification Number
Z	Z	Benzyloxycarbonyl	Benzyloxycarbonyl
	Zers.	Zersetzung	Decomposition

Periodisches System der Elemente

Die Tabelle ist entnommen aus E. Voellmy, Logarithmen und Zahlentafeln, 1973. Abgedruckt mit freundlicher Genehmigung des Orell Füssli Verlag, Zürich.

Periodic system of elements

We are grateful to the Orell Füssli Verlag, Zürich, for permission to copy this table taken from E. Voellmy, Logarithmen und Zahlentafeln, 1973.

Système périodique des éléments

Ce tableau est tiré de «Logarithmen und Zahlentafeln», 1973, par E. Voellmy, grâce à l'aimable autorisation de la Maison Orell Füssli Verlag, Zürich.

Vorperiode		1,00867																1,0079																4,003															
K		2 · 1 ^a = 2		0		n		0																		Δ H																1		1		2		Δ He	
Gruppe:		O		I		II																		III		IV		V		VI		VII		VIII															
1. Kurzperiode		4,003		6,941		9,012																		10,81		12,011		14,007		15,999		18,998		20,18															
L		2		3		4																		5		6		7		8		9		10															
2. Kurzperiode		20,18		22,99		24,305																		26,982		28,086		30,974		32,06		35,453		39,95															
M		10		11		12																		13		14		15		16		17		18															
Gruppe:		O		Ih		IIh		III n		IV n		V n		VI n		VII n		VIII n		I n		II n		III h		IV h		V h		VI h		VII h		VIII h															
1. Mittlere Per.		39,95		39,098		40,08		44,956		47,90		50,942		51,996		54,938		55,847		58,933		58,70		63,546		65,38		69,72		72,59		74,922		78,96		79,904		83,80											
N		18		19		20		21		22		23		24		25		26		27		28		29		30		31		32		33		34		35		36											
2. Mittlere Per.		83,80		85,47		87,62		88,905		91,22		92,906		95,94		[98]		101,07		102,905		106,4		107,868		112,40		114,82		118,69		121,75		127,60		126,904		131,30											
O		36		37		38		39		40		41		42		43		44		45		46		47		48		49		50		51		52		53		54											
1. Langperiode		131,30		132,905		137,34		138,91		178,49		180,948		183,85		186,2		190,2		192,2		195,09		196,967		200,59		204,37		207,19		208,980		[210]		[210]		[222]											
P		54		55		56		57		72		73		74		75		76		77		78		79		80		81		82		83		84		85		86											
2. Langperiode		[222]		[223]		[226]		[227]		[260]																																							
Q		(2 · 4 ^a = 32)								0																																							
		86		87		88		89		103		104																																					

Lanthaniden		140,12		140,907		144,24		[145]		150,35		151,96		157,25		158,924		162,50		164,930		167,26		168,934		173,04		174,97	
		58		59		60		61		62		63		64		65		66		67		68		69		70		71	
Actiniden		232,038		[231]		238,03		[237]		[244]		[243]		[247]		[251]		[254]		[257]		[256]		[255]		[256]			
		90		91		92		93		94		95		96		97		98		99		100		101		102		103	
		[Th]		[Pa]		[U]		[Np]		[Pu]		[Am]		[Cm]		[Bk]		[Cf]		[Es]		[Fm]		[Md]		[No]		[Lr]	

Symbole und Atomgewichte (Ziffern links oben) entsprechen den Empfehlungen der Internationalen Chemie-Union 1969. Die unterstrichenen Symbole deuten Reinelemente an.

- Metalle (elektrische Leiter)
- Halbmetalle (leitende und isolierende Modifikation bekannt)
- Δ Nichtmetalle (Isolatoren)

Die in [] gesetzten Zahlen entsprechen dem Atomgewicht des Isotops mit der längsten Halbwertszeit. Die Ordnungszahl (Ziffer links unten) entspricht der Protonenzahl.

Die Ziffer rechts unten bedeutet die Zahl der Valenzelektronen, d. i. die maximale Anzahl Elektronen, welche an der Bildung einer Verbindung des betr. Elementes beteiligt sind. In Klammern sind andere häufig in Aktion tretende Elektronenzahlen angegeben.

The symbols and atomic weights (figures above, left) are those recommended by the International Chemical Union, 1969. The underlined symbols indicate pure elements.

- Metals (conductors of electricity)
- Metalloids (conducting and insulating variants are known)
- Δ Nonmetals (insulators)

The figures in [] are the atomic weights of the isotopes with longest half-life.

The atomic No. (bottom, left) is the number of protons.

The figure at the bottom, right, is the number of valency electrons, i. e., the maximum number of electrons participating in the formation of compounds of the element. Other numbers of frequently active electrons are shown in brackets.

Les symboles et les poids atomiques (chiffre à gauche en haut) sont ceux proposés par l'Union Internationale de Chimie 1969. Les symboles soulignés indiquent les éléments purs.

- Métaux (Bons conducteurs)
- Eléments intermédiaires (Modifications allotropiques conductrices et isolantes)
- Δ Métalloïdes

Les chiffres entre [] correspondent aux poids atomiques de l'isotope ayant la période la plus longue.

Le numéro atomique (chiffre en bas, à gauche) correspond au nombre de protons.

Le chiffre, en bas, à droite, indique le nombre d'électrons de valence, c. à d. le nombre d'électrons maximum qui interviennent lors de la formation d'un composé, à partir de l'élément considéré. Sont indiqués entre parenthèse, les principaux autres nombres d'électrons qui prennent part aux réactions.

Chemische Elemente und Atomgewichte 1973¹

Element und Symbol		O.Z.	Atom- gewicht	Elektronenverteilung						
				K	L	M	N	O	P	Q
Actinium ²	Ac	89	[227]	2	8	18	32	18	9	2
Aluminium	Al	13	26,982	2	8	3				
Americium ²	Am	95	[243]	2	8	18	18	5		
Antimon	Sb	51	121,75	2	8	18	18	5		
Argon	Ar	18	39,95	2	8	8				
Arsen	As	33	74,922	2	8	18	5			
Astat ²	At	85	[210]	2	8	18	32	18	7	
Barium	Ba	56	137,34	2	8	18	18	8	2	
Berkelium ²	Bk	97	[247]							
Beryllium	Be	4	9,012	2	2					
Blei	Pb	82	207,19	2	8	18	32	18	4	
Bor ³	B	5	10,81	2	3					
Brom	Br	35	79,904	2	8	18	7			
Cadmium	Cd	48	112,40	2	8	18	18	2		
Cäsium	Cs	55	132,905	2	8	18	18	8	1	
Calcium	Ca	20	40,08	2	8	8	2			
Californium ²	Cf	98	[251]							
Cer	Ce	58	140,12	2	8	18	19	9	2	
Chlor	Cl	17	35,453	2	8	7				
Chrom	Cr	24	51,996	2	8	13	1			
Curium ²	Cm	96	[247]							
Dysprosium	Dy	66	162,50	2	8	18	27	9	2	
Einsteinium ²	Es	99	[254]							
Eisen	Fe	26	55,847	2	8	14	2			
Erbium	Er	68	167,26	2	8	18	29	9	2	
Europium	Eu	63	151,96	2	8	18	24	9	2	
Fermium ²	Fm	100	[257]							
Fluor	F	9	18,998	2	7					
Francium ²	Fr	87	[223]	2	8	18	32	18	8	1
Gadolinium	Gd	64	157,25	2	8	18	25	9	2	
Gallium	Ga	31	69,72	2	8	18	3			
Germanium	Ge	32	72,59	2	8	18	4			
Gold	Au	79	196,967	2	8	18	32	18	1	
Hafnium	Hf	72	178,49	2	8	18	32	10	2	
Helium	He	2	4,003	2						
Holmium	Ho	67	164,930	2	8	18	28	9	2	

**Fluka Biochemicals by Categories
See Green Section**

**Selected Chemicals According to
Application See Appendix**



**Fluka AG, Chemische Fabrik
CH-9470 Buchs, Switzerland
Telefon (085) 6 02 75, Telex 74282 and 74782**